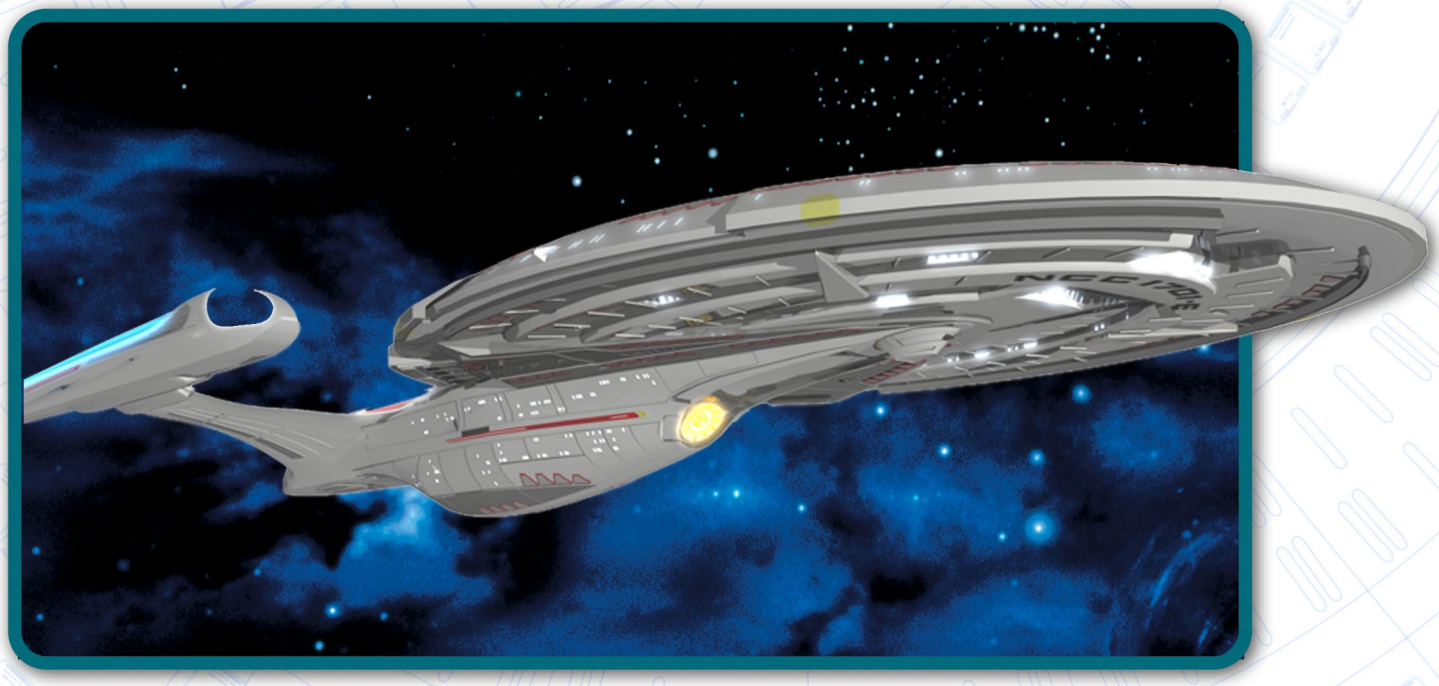
SPACEDOCK

SHIP RECOGNITION MANUAL



VOLUME 1
THE SHIPS OF STARFLEET

STAR TREK
THE EXPANDED UNIVERSE

THE SHIP RECOGNITION MANUAL
VOLUME 1: THE SHIPS OF STARFLEET

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Dedication: To the many talented individuals who have worked on the *Star Trek* television shows to create such fascinating starships for us.

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Introduction

Welcome to the first in a series of *Ship Recognition Manuals*—the first of many to come, hopefully, given the vast number of ships populating the universe of *Star Trek* and the vast interest so many gamers have in them.

As the title indicates, this book uses the advanced starship construction and combat rules provided in Last Unicorn's book *Spacedock*. You won't find any new rules or the like in this book, but it describes all the ships with the *Spacedock* rules. Without *Spacedock*, you'll find that a lot of the technology described on the various Starship Templates doesn't make a whole lot of sense to you.

This volume concentrates primarily on the vessels of Starfleet. From the *Akira*-class Heavy Cruiser to the *Zodiac*-class Cruiser, you'll find plenty of options to choose from when deciding what type of ship your characters live on in your series, which ships to include in a Starfleet attack squadron for a Dominion War scenario, or what kind of ship the Crew will see when they respond to that distress call they just received.

However, this book isn't *entirely* devoted to Starfleet vessels; there's a handful of commonly encountered allied and Threat species vessels as well, such as the Jem'Hadar Attack Ship or *D'deridex*-class warbird. Narrators who can't find a particular vessel they're looking for in this book can simply adapt one of the ships presented, or use the *Spacedock* rules to create it on their own.

AKIRA CLASS

Class and Type: *Akira*-class Heavy Cruiser
Commissioning Date: 2368

HULL SYSTEMS

Size: 7
Length: 464.43 meters
Beam: 316.67 meters
Height: 87.43 meters
Decks: 19
Mass: 3,055,000 metric tonnes
SUs Available: 2,625
SUs Used: 2,554

Hull

Outer	28
Inner	28

Resistance

Outer Hull: 10	12
Inner Hull: 10	12

Structural Integrity Field

Main: Class 5 (Protection 80/120)	
[1 Power/10 Protection/round]	31
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	16
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	16

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 500/55/4,500

Crew Quarters

Spartan: None	
Basic: 400	40
Expanded: 75	15
Luxury: 35	35
Unusual: 20	20

Environmental Systems

Basic Life Support [11 Power/round]	28
Reserve Life Support [6 Power/round]	14
Emergency Life Support (42 emergency shelters)	14
Gravity [4 Power/round]	7
Consumables: 3 years' worth	21
Food Replicators [7 Power/round]	7
Industrial Replicators	13
Type: Network of small replicators [2 Power/round]	
Type: 2 large units [2 Power/replicator/round]	
Medical Facilities: 8 (+2) [8 Power/round]	40
Recreation Facilities: 6 [12 Power/round]	48
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	21
Fire Suppression System [1 Power/round when active]	7
Cargo Holds: 300,000 cubic meters	9
Locations: Middle of saucer section, elsewhere throughout ship	
Escape Pods	9
Number: 180	
Capacity: 4 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6E8	116
Speed: 6.0/9.4/9.8 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 8 (.75c/.95c) [7/9 Power/round]	40
Location: Saucer section, aft	

Impulse Engine

Type: Class 8 (.75c/.95c) [7/9 Power/round]	40
Location: Aft terminus of Engineering hull spars	
Reaction Control System (.025c) [2 Power/round when in use]	7

POWER SYSTEMS

Warp Engine

Type: Class 10/P (generates 530 Power/round)	113
Location: Control tower	
Impulse Engine[s]: 2 Class 8 (generate 64 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type E (generates 45 Power/round)	45
EPS: Standard Power flow, +300 Power transfer/round	65

Standard Usable Power: 658

OPERATIONS SYSTEMS

Bridge: Saucer section dorsal, between the two Engineering hull spars	35
Auxiliary Control Room: Battle bridge in control tower	21
Separation System: Saucer separation [10 Power]	9

Computers

Core 1: Saucer [5 Power/round]	14
Core 2: Saucer [5 Power/round]	14
Core 3: Control tower [5 Power/round]	14
ODN	21

Navigational Deflector [5 Power/round] **28**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Saucer section, ventral

Sensor Systems

Long-range Sensors [5 Power/round]	48
Range Package: Type 6 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 16 light-years (1/1.1-5.0/5.1-12.0/12.1-16)	
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	24
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	22
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Probes: 40	4

Sensors Skill: 5

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 4, Coordination 2 [1 Power/round in use] — 14
- Navigational Computer
  - Main: Class 3 (+2) [2 Power/round] — 4
  - Backups: 1 — 1
- Inertial Damping Field
  - Main — 56
    - Strength: 9 [3 Power/round]
    - Number: 4
  - Backup — 24
    - Strength: 6 [2 Power/round]
    - Number: 6
- Attitude Control [2 Power/round] — 2

Communications Systems
- Type: Class 9 [2 Power/round] — 25
  - Strength: 9
  - Security: -6 (Class Delta uprating)
  - Basic Uprating: Class Alpha (+1)
  - Emergency Communications: Yes [2 Power/round] — 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Gamma [3 Power/Strength used/round] — 9
  - Accuracy: 4/5/7/10
  - Location: Forward dorsal
- Emitter: Class Alpha [3 Power/Strength used/round] — 6
  - Accuracy: 5/6/8/11
  - Location: One in each aft shuttlebay

Transporters
- Type: Personnel [4 Power/use] — 64
  - Pads: 4
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Two in saucer, one in each Engineering spar
- Type: Emergency [6 Power/use] — 64
  - Pads: 20
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Two in saucer, one in each Engineering spar
- Type: Cargo [4 Power/use] — 52
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: One in shuttlebay central zone, others in three largest cargo holds

Cloaking Device: None

Security Systems
- Rating: 4 — 16
- Anti-Intruder System: Yes [1 Power/round] — 7
- Internal Force Fields [1 Power/3 Strength] — 7

Science Systems
- Rating 2 (+1) [2 Power/round] — 17
- Specialized Systems: None
- Laboratories: 16 — 4

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array — **48**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 200 (up to 5 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer section, dorsal
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array (Port) — **23**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer section, ventral port
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array (Starboard) — **23**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer section, ventral starboard
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Aft Phaser Array (Port) — **14**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer section, aft, port
  - Firing Arc: 360 degrees aft, with significant arc shadows from spars
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Aft Phaser Array (Starboard) — **14**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer section, aft, starboard
  - Firing Arc: 360 degrees aft, with significant arc shadows from spars
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Control Tower Dorsal Array — **15**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Control tower, dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

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Forward Ventral Torpedo Launcher **13**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Forward ventral (beneath navigational deflector)
Firing Arc: Forward, but are self-guided

Saucer Forward Ventral Torpedo Launchers (3) **39**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Forward ventral on saucer, below shuttlebay doors
Firing Arc: Forward, but are self-guided

Saucer Aft Torpedo Launchers (1 Port, 1 Starboard) **26**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Aft edge of saucer (one to port, one to starboard)
Firing Arc: Aft, but are self-guided

Saucer Dorsal Torpedo Launchers (2 Port, 2 Starboard) **52**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Edges of saucer, dorsal (two to port, two to starboard)
Firing Arc: Port or starboard, but are self-guided

Forward Tower Torpedo Launchers (4) **52**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Forward on control tower
Firing Arc: Forward, but are self-guided

Aft Tower Torpedo Launcher **13**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Aft side of control tower
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 900, primarily Type II photon torpedoes **90**

TA/T/TS: Class Gamma [2 Power/round] **12**
Strength: 9
Bonus: +2

Weapons Skill: 5

Shields (Forward, Aft, Port, Starboard) **82 (x4)**
Shield Generator: Class 5 (Protection 1000) [100 Power/shield/round]
Shield Grid: Type C (50% increase to 1500 Protection)
Subspace Field Distortion Amplifiers: Class Zeta (Threshold 275)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **7**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 100 Size worth of ships **200**
Standard Complement: 30-50 Starfleet Attack Fighters, any remaining space occupied by shuttlecraft
Location(s): Saucer section, forward and aft

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The *Akira*-class Heavy Cruiser is perhaps the most heavily armed vessel ever created by Starfleet. Boasting six Type X phaser arrays and fifteen torpedo launchers, it can project an impressive amount of force.

The *Akira* began development in 2350 under the aegis of the Perimeter Defense Directive. The PDD saw a need for a cruiser with heavier armaments than existing Starfleet vessels, and began designing ships to fill that gap. Events during the *Akira*'s development process, such as the Cardassian war, Tzenkethi war, and renewed contact with the Romulans, only reinforced the need for the *Akira* and other PDD ships in the minds of Starfleet Command.

The *Akira* entered service in 2368. In addition to its role as a defense and threat-response vessel, at which it excels, it acts as a carrier for Starfleet attack fighters and other small vessels. The central axis of its saucer includes by two enormous shuttlebays connected by an extensive repair and maintenance area. The carried ships depart the *Akira* through three shuttlebay doors on the forward side of the saucer, and return to roost through two smaller shuttlebay doors on the aft side of the saucer.

Physically, the *Akira* is one of Starfleet's most unusual designs. While it has the typical forward saucer (one nearly as wide as the saucer on a *Sovereign*-class vessel), its Engineering hull consists of two large "spars" connected at their aft ends by two upward-slanted nacelle pylons. Where the spars attach to the saucer, they create a "valley" in which the ship's bridge is located. This provides the bridge with an extra degree of protection against most attacks. When detached from the saucer section, the Engineering hull resembles a gigantic letter *pi* with two warp nacelles.

Where the two pylons meet between the spars there's a large "control tower" which oversees the return of fighters (and protects them with its torpedo launchers). The control tower contains the ship's warp engine and battle bridge.

Noteworthy vessels/service records/ encounters: *U.S.S. Akira,* NCC-62497, prototype; *U.S.S. Black Elk,* NCC-62505, lost during routine patrol along Cardassian border (2369); *U.S.S. Geronimo,* destroyed in action in the Chin'toka System (2375); *U.S.S. Mateo,* destroyed five *Galor*-class vessels during Operation Return (2374); *U.S.S. Susquehanna,* NCC-62797, engaged the Tholians during the Draconis IX Perimeter Action (2371), *U.S.S. Rabin,* NCC-63293, helped recapture the stolen *U.S.S. Prometheus* (2375), *U.S.S. Spector,* NCC-63549, helped recapture the stolen *U.S.S. Prometheus* (2375), *U.S.S. Thunderchild,* NCC-65449, participated in defense of Sector 001 during Borg incursion (2373), helped recapture the stolen *U.S.S. Prometheus* (2375).

AMBASSADOR CLASS

Class and Type: *Ambassador*-class Heavy Cruiser

Commissioning Date: 2322

HULL SYSTEMS

Size: 7
Length: 526.33 meters
Beam: 325.26 meters
Height: 180.15 meters
Decks: 40
Mass: 3,825,000 metric tonnes
SUs Available: 2,050
SUs Used: 1,961

Hull

Outer	28
Inner	28

Resistance

Outer Hull: 6	6
Inner Hull: 6	6

Structural Integrity Field

Main: Class 4 (Protection 70/110)	
[1 Power/10 Protection/round]	28
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	14
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	14

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 900/200/10,000

Crew Quarters

Spartan: None	
Basic: 800	80
Expanded: 150	30
Luxury: 60	60
Unusual: 15	15

Environmental Systems

Basic Life Support [12 Power/round]	28
Reserve Life Support [6 Power/round]	14
Emergency Life Support (42 emergency shelters)	14
Gravity [4 Power/round]	7
Consumables: 3 years' worth	21
Food Replicators [7 Power/round]	
Industrial Replicators	10
Type: Network of small replicators [2 Power/round]	
Type: 1 large unit [2 Power/replicator/round]	
Medical Facilities: 7 (+2) [7 Power/round]	35
Recreation Facilities: 6 [12 Power/round]	48
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	21
Fire Suppression System [1 Power/round when active]	7
Cargo Holds: 300,000 cubic meters	9
Locations: Aft saucer section, mid-dorsal Engineering section, other	
Escape Pods	9
Number: 160	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 5E	75
Speed: 5.0/9.0/9.2 [1 Power/.2 warp speed]	
PIS: Type C (6 hours of Maximum warp)	6

Impulse Engine

Type: Class 5 (.7c/.9c) [7/9 Power/round]	25
Location: Aft Engineering section	
Reaction Control System (.025c) [2 Power/round when in use]	7

POWER SYSTEMS

Warp Engine

Type: Class 8/N (generates 445 Power/round)	95
Location: Engineering section	
Impulse Engine[s]: 1 Class 5 (generate 40 Power/engine/round)	
Auxiliary Power: 3 reactors (generate 5 Power/reactor/round)	9
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +300 Power transfer/round	65

Standard Usable Power: 485

OPERATIONS SYSTEMS

Bridge: Saucer section, dorsal	35
Auxiliary Control Room: Engineering section	21

Computers

Core 1: Saucer [5 Power/round]	14
Core 2: Engineering [5 Power/round]	14
Uprating: Class Alpha (+1) [1 Power/computer/round]	4
ODN	21

Navigational Deflector [5 Power/round] **28**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Forward ventral

Sensor Systems

Long-range Sensors [5 Power/round]	37
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	17
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	16
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Probes: 60	6

Sensors Skill: 4

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2	
[1 Power/round in use]	11

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Navigational Computer
- Main: Class 2 (+1) [1 Power/round] 2
- Backups: 1 1

Inertial Damping Field
- Main 56
  - Strength: 9 [3 Power/round]
  - Number: 4
- Backup 16
  - Strength: 6 [2 Power/round]
  - Number: 4

Attitude Control [2 Power/round] 2

Communications Systems
- Type: Class 7 [2 Power/round] 19
  - Strength: 7
  - Security: -4 (Class Gamma uprating)
  - Basic Uprating: Class Alpha (+1)
- Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
- Emitter: Class Gamma [3 Power/Strength used/round] 9
  - Accuracy: 4/5/7/10
  - Location: Forward dorsal
- Emitter: Class Gamma [3 Power/Strength used/round] 9
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] 3
  - Accuracy: 5/6/8/11
  - Location: Aft shuttlebay

Transporters
- Type: Personnel [5 Power/use] 60
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class F (Strength 6)
  - Number and Location: Two in saucer section, two in Engineering section
- Type: Emergency [6 Power/use] 56
  - Pads: 20
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class F (Strength 6)
  - Number and Location: Two in saucer section, two in Engineering section
- Type: Cargo [4 Power/use] 44
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class F (Strength 6)
  - Number and Location: Two in saucer section, two in Engineering section

Cloaking Device: None

Security Systems
- Rating: 4 16
- Anti-Intruder System: Yes [1 Power/round] 7
- Internal Force Fields [1 Power/3 Strength] 7

Science Systems
- Rating 3 (+2) [3 Power/round] 22
- Specialized Systems: 2 10
- Laboratories: 25 6

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array (Forward) 17
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 60 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer section, dorsal, forward
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Phaser Array (Port) 17
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 60 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer section, dorsal, port
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Phaser Array (Starboard) 17
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 60 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer section, dorsal, starboard
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Phaser Array (Aft Port) 13
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer section, dorsal, aft, port
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Phaser Array (Aft Starboard) 13
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer section, dorsal, aft, starboard
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array (Forward) 15
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 50 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer section, ventral, forward
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array (Port) **15**
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 50 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer section, ventral, port
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array (Starboard) **15**
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 50 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer section, ventral, starboard
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Torpedo Launcher **16**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher **16**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft dorsal
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 200 **20**

TA/T/TS: Class Alpha [0 Power/round] **6**
Strength: 7
Bonus: +0

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **68 (x4)**
Shield Generator: Class 4 (Protection 700) [70 Power/shield/round]
Shield Grid: Type C (50% increase to 1050 Protection)
Subspace Field Distortion Amplifiers: Class Delta (Threshold 200)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **7**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 30 Size worth of ships **60**
Standard Complement: Mix of 10-15 shuttlecraft and shuttlepods
Location(s): Aft Engineering section, saucer aft dorsal

Captain's Yacht: Yes **10**

DESCRIPTION AND NOTES

Fleet data: The *Ambassador* is the oldest type of Heavy Cruiser currently in service in Starfleet. Developed in the first two decades of the 24th century, it was the largest, most powerful ship in the fleet from its commissioning in 2322 until the *Galaxy*-class was commissioned. Many of the technological innovations created during the development and use of the *Ambassador*-class were incorporated in, or influenced, the *Galaxy*-class and many other ships.

Although they're now getting a bit long in the tooth, *Ambassador*-class ships have been kept in good condition due to frequent maintenance and upgrading. Starfleet estimates that existing *Ambassador*s have a useful life of approximately another 20 years as of 2375. However, substantially damaged vessels (such as casualties of the Dominion War) will not be repaired or refitted.

Noteworthy vessels/service records/ encounters: *U.S.S. Ambassador,* prototype; *U.S.S. Adelphi*, NCC-26849, conducted disastrous first contact with planet Ghorusda; *U.S.S. Enterprise-C*, NCC-1701-C, commanded by Capt. Rachel Garrett, destroyed at Narenda III while defending Klingon outpost against massive Romulan attack (2344); *U.S.S. Excalibur,* NCC-26517, served in blockade of Duras faction during Klingon civil war (2367-68); *U.S.S. Horatio,* NCC-10532, destroyed at Dytallix B by intelligent alien parasites attempting to infiltrate Starfleet (2364); *U.S.S. Valdemar,* NCC-26198, patrolled Federation-Cardassian Demilitarized Zone (2370). Also in service: *U.S.S. Gandhi* (NCC-26632), *U.S.S. Zhukov* (NCC-26136).

ANDROMEDA CLASS

Class and Type: *Andromeda*-class Explorer

Commissioning Date: 2362

HULL SYSTEMS

Size: 7
- Length: 412.75 meters
- Beam: 273.66 meters
- Height: 154.78 meters
- Decks: 33
- Mass: 3,150,000 metric tonnes
- SUs Available: 2,600
- SUs Used: 2,465

Hull

Outer	28
Inner	28

Resistance

Outer Hull: 8	9
Inner Hull: 8	9

Structural Integrity Field

Main: Class 5 (Protection 80/120)	
[1 Power/10 Protection/round]	31
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	16
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	16

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 635/160/9,000

Crew Quarters

Spartan: None	
Basic: 500	50
Expanded: 100	20
Luxury: 40	40
Unusual: 20	20

Environmental Systems

Basic Life Support [12 Power/round]	28
Reserve Life Support [6 Power/round]	14
Emergency Life Support (42 emergency shelters)	14
Gravity [4 Power/round]	7
Consumables: 3 years' worth	21
Food Replicators [7 Power/round]	7
Industrial Replicators	13
Type: Network of small replicators [2 Power/round]	
Type: 2 large units [2 Power/replicator/round]	
Medical Facilities: 9 (+2) [9 Power/round]	45
EMH: Mark I [2 Power/round when active]	5
Recreation Facilities: 7 [14 Power/round]	56
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	21
Fire Suppression System [1 Power/round when active]	7
Cargo Holds: 400,000 cubic meters	12
Locations: Saucer ventral aft port, saucer ventral aft starboard, Engineering aft, others	
Escape Pods	
Number: 160	9
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6E	115
Speed: 6.0/9.4/9.6 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 6 (.75c/.9c) [7/9 Power/round]	30
Location: Saucer aft	

Impulse Engine

Type: Class 6 (.75c/.9c) [7/9 Power/round]	30
Location: Engineering aft	
Reaction Control System (.025c) [2 Power/round when in use]	7

POWER SYSTEMS

Warp Engine

Type: Class 12/R (generates 625 Power/round)	133
Location: Engineering	
Impulse Engine[s]: 2 Class 6 (generate 48 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type E (generates 45 Power/round)	45
EPS: Standard Power flow, +300 Power transfer/round	65

Standard Usable Power: 721

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	35
Auxiliary Control Room: Battle bridge, Engineering dorsal	21
Separation System: Saucer separation [10 Power]	9

Computers

Core 1: Saucer [5 Power/round]	14
Core 2: Saucer [5 Power/round]	14
Core 3: Engineering [5 Power/round]	14
Uprating: Class Beta (+2) [2 Power/round]	12
ODN	21

Navigational Deflector [5 Power/round]	**28**
Range: 10/20,000/50,000/150,000	
Accuracy: 5/6/8/11	
Location: Forward ventral	

Sensor Systems

Long-range Sensors [5 Power/round]	54
Range Package: Type 7 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)	
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)	
Strength Package: Class 10 (Strength 10)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	26
Strength Package: Class 10 (Strength 10)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	24
Strength Package: Class 10 (Strength 10)	
Gain Package: Class Beta (+2)	
Probes: 80	8

Sensors Skill: 4

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 4, Coordination 2 [1 Power/round in use] — 14
- Navigational Computer
  - Main: Class 3 (+2) [2 Power/round] — 4
  - Backups: 1 — 1
- Inertial Damping Field
  - Main — 56
    - Strength: 9 [3 Power/round]
    - Number: 4
  - Backup — 16
    - Strength: 6 [2 Power/round]
    - Number: 4
- Attitude Control [2 Power/round] — 2

Communications Systems
- Type: Class 10 [2 Power/round] — 26
  - Strength: 10
  - Security: -5
  - Basic Uprating: Class Beta (+2)
- Emergency Communications: Yes [2 Power/round] — 1
- Holocommunications: Yes — 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Forward dorsal
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] — 6
  - Accuracy: 5/6/8/11
  - Location: One in each shuttlebay

Transporters
- Type: Personnel [5 Power/use] — 90
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: 3 in saucer, 2 in Engineering
- Type: Emergency [6 Power/use] — 68
  - Pads: 20
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: 2 in saucer, 2 in Engineering
- Type: Cargo [4 Power/use] — 70
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: 3 in saucer, 2 in Engineering

Cloaking Device: None

Security Systems
- Rating: 4 — 16
- Anti-Intruder System: Yes [1 Power/round] — 7
- Internal Force Fields [1 Power/3 Strength] — 7

Science Systems
- Rating 3 (+2) [3 Power/round] — 22
- Specialized Systems: 2 — 10
- Laboratories: 35 — 8

TACTICAL SYSTEMS

Saucer Ventral Phaser Array — 48
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 200 (up to 5 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer, ventral
  - Firing Arc: 405 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Phaser Array — 48
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 200 (up to 5 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer, dorsal
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Phaser Array — 24
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering, ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Aft Ventral Phaser Array — 24
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering, aft ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Aft Dorsal Phaser Array — 24
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering, aft dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Forward Dorsal Array — 24
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering, forward (concealed when ship not separated)
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Ventral Torpedo Launcher **16**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral, above navigational deflector
Firing Arc: Forward, but are self-guided

Forward Dorsal Torpedo Launcher **16**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Dorsal, forward of bridge
Firing Arc: Forward, but are self-guided

Aft Dorsal Torpedo Launcher **16**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft dorsal
Firing Arc: Aft, but are self-guided

Aft Torpedo Launcher **16**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 220 **22**

TA/T/TS: Class Gamma [2 Power/round] **12**
Strength: 9
Bonus: +2

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **93 (x4)**
Shield Generator: Class 6 (Protection 1100)
[110 Power/shield/round]
Shield Grid: Type C (50% increase to 1650 Protection)
Subspace Field Distortion Amplifiers: Class Eta (Threshold 350)
Recharging System: Class 2 (40 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **7**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 35 Size worth of ships **70**
Standard Complement: 12 shuttlecraft, 11 shuttlepods
Location(s): Main shuttlebay (aft saucer), two secondary shuttlebays (Engineering forward dorsal)

Captain's Yacht: Yes **10**

DESCRIPTION AND NOTES

Fleet data: Developed during the same timeframe as the *Nebula*- and *Akira*-class cruisers, the *Andromeda*-class ship incorporates many design innovations developed for them, but expands them for use in an Explorer vessel, creating a ship referred to by some as an "Explorer-Cruiser hybrid." For example, it has more torpedo launchers than the *Galaxy*-class ship, but fewer phaser arrays and weaker shields. It features three warp nacelles—two in the standard port and starboard pylons configuration, plus a third nacelle mounted on a pylon which juts aft from the forward section of the Engineering hull's dorsal spine.

Andromeda-class Explorers have been the subject of several large-scale class-wide uprating procedures. Among other things, this work has improved the vessel's speed and given it several hologram-based systems, including an EMH and holocommunications. ASDB researchers are considering using the *Andromeda* as a testbed for further "holographic personnel" programs, such as the Long-Term Medical Hologram and others.

The *Andromeda*-class has proven well-suited for long-range exploration and perimeter defense missions. During the Dominion War, many vessels of this class served as the flagships for many different wings or sub-fleets.

Noteworthy vessels/service records/encounters: *U.S.S. Andromeda,* prototype; *U.S.S. Drake,* NCC-70956, ambushed and damaged by Klingon battle group (2373) (not to be confused with the *Wambundu*-class vessel of the same name); *U.S.S. Prokofiev,* NCC-68814, dispatched to Cardassian Demilitarized Zone after Cardassians kidnapped Chief of Operations Miles O'Brien (2370); *U.S.S. Kalvos,* NCC-68924, suffered significant damage from orbital weapon platform attacks during assault on Chin'toka system (2375).

APOLLO CLASS

Class and Type: *Apollo*-class Light Cruiser
Commissioning Date: 2325

HULL SYSTEMS

Size: 4
Length: 148.34 meters
Beam: 35.76 meters
Height: 25.6 meters
Decks: 5
Mass: 110,000 metric tonnes
SUs Available: 1,300
SUs Used: 1,262

Hull

Outer	16
Inner	16

Resistance

Outer Hull: 6	6
Inner Hull: 6	6

Structural Integrity Field

Main: Class 4 (Protection 70/110)	
[1 Power/10 Protection/round]	25
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	13
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	13

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 217/550/3,250

Crew Quarters

Spartan: 200	10
Basic: 440	44
Expanded: 110	22
Luxury: 30	30
Unusual: 5	5

Environmental Systems

Basic Life Support [10 Power/round]	16
Reserve Life Support [5 Power/round]	8
Emergency Life Support (24 emergency shelters)	8
Gravity [2 Power/round]	4
Consumables: 1 years' worth	4
Food Replicators [4 Power/round]	4
Industrial Replicators	10
Type: Network of small replicators [2 Power/round]	
Type: 1 large unit [2 Power/replicator/round]	
Medical Facilities: 4 (+1) [4 Power/round]	20
Recreation Facilities: 5 [10 Power/round]	40
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	12
Fire Suppression System [1 Power/round when active]	4
Cargo Holds: 10,000 cubic meters	1
Locations: Aft, 6 other locations throughout the ship	
Escape Pods	6
Number: 100	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6D	105
Speed: 6.0/9.2/9.6 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 6 (.75c/.9c) [7/9 Power/round]	30
Location: Aft propulsion section	
Reaction Control System (.025c) [2 Power/round when in use]	4

POWER SYSTEMS

Warp Engine

Type: Class 8/N (generates 425 Power/round)	93
Location: Amidships	
Impulse Engine[s]: 1 Class 6 (generate 48 Power/engine/round)	
Auxiliary Power: 3 reactors (generate 5 Power/reactor/round)	9
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +250 Power transfer/round	37

Standard Usable Power: 473

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	20

Computers

Core 1: Forward [5 Power/round]	8
Core 2: Amidships [5 Power/round]	8
Uprating: Class Alpha (+1) [1 Power/computer/round]	4
ODN	12

Navigational Deflector [5 Power/round] **16**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Dorsal

Sensor Systems

Long-range Sensors [5 Power/round]	37
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	17
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	16
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Probes: 40	4

Sensors Skill: 3

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2	
[1 Power/round in use]	11
Navigational Computer	
Main: Class 2 (+1) [1 Power/round]	2
Backups: 2	2

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Inertial Damping Field 16
Main
Strength: 9 [3 Power/round]
Number: 2
Backup 4
Strength: 6 [2 Power/round]
Number: 2
Attitude Control [1 Power/round] 1

Communications Systems
Type: Class 7 [2 Power/round] 14
Strength: 7
Security: -3
Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Forward
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Aft
Emitter: Class Alpha [3 Power/Strength used/round] 9
Accuracy: 5/6/8/11
Location: Shuttlebay

Transporters
Type: Personnel [5 Power/use] 34
Pads: 6
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: One forward, one aft
Type: Emergency [4 Power/use] 28
Pads: 12
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: One forward, one aft
Type: Cargo [5 Power/use] 26
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: One forward, one aft

Cloaking Device: None

Security Systems
Rating: 3 12
Anti-Intruder System: Yes [1 Power/round] 4
Internal Force Fields [1 Power/3 Strength] 4

Science Systems
Rating 2 (+1) [2 Power/round] 14
Specialized Systems: None
Laboratories: 7 2

TACTICAL SYSTEMS

Forward Phaser Array 20
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Forward
Firing Arc: 360 degrees forward
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Phaser Array 20
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Aft
Firing Arc: 360 degrees aft
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Torpedo Launcher 15
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward
Firing Arc: Forward, but are self-guided

Torpedoes Carried: 40 4

TA/T/TS: Class Alpha [0 Power/round] 6
Strength: 7
Bonus: +0

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) 39 (x4)
Shield Generator: Class 4 (Protection 660) [66 Power/shield/round]
Shield Grid: Type C (50% increase to 880 Protection)
Subspace Field Distortion Amplifiers: Class Epsilon (Threshold 220)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System 4

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 6 Size worth of ships 12
Standard Complement: 3 shuttlecraft
Location(s): Aft

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: Perhaps the lightest of Starfleet's Light Cruisers, the *Apollo*-class vessel's appearance reveals the fact that it was designed by a team of Vulcan engineers. Instead of the more common pylons, it uses a structure with a trapezoidal cross-section which completely surrounds the ship to hold the nacelles—making the vessel look disturbingly like many Romulan craft to some observers. The main hull itself is a long cylinder which also has a trapezoidal cross-section.

The *Apollo*-class ship's primary role is as a transport for troops and other persons who must pass through dangerous areas. Although only lightly armed, it's usually fast and maneuverable enough to avoid or outrun trouble. In times of conflict, it may also play a secondary support role for wings of ships.

Noteworthy vessels/service records/ encounters: *U.S.S. Apollo,* prototype; *U.S.S. T'Pau,* NSP-17938, decommissioned and sent to Federation Surplus Depot Zed-15 orbiting Qualor II (2364), stolen as part of Romulan plot to attack Vulcan and later destroyed by the Romulans (2368); *U.S.S. Chengdai,* NCC-32759, served as troop transport during Cardassian conflict (2356-2367).

BRADBURY CLASS

Class and Type: *Bradbury*-class Heavy Frigate

Commissioning Date: 2362

HULL SYSTEMS

Size: 6
- Length: 335.62 meters
- Beam: 125.86 meters
- Height: 53.5 meters
- Decks: 10
- Mass: 1,150,000 metric tonnes
- SUs Available: 1,960
- SUs Used: 1,856

Hull

Outer	24
Inner	24

Resistance

Outer Hull: 6	6
Inner Hull: 6	6

Structural Integrity Field

Main: Class 3 (Protection 60/90) [1 Power/10 Protection/round]	24
Backup: Class 3 (Protection 30) [1 Power/10 Protection/round]	12
Backup: Class 3 (Protection 30) [1 Power/10 Protection/round]	12

Specialized Hull: Atmospheric Capability; Planetfall Capability **12**

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 428/90/6,850

Crew Quarters

Spartan: None	
Basic: 350	35
Expanded: 50	10
Luxury: 30	30
Unusual: 12	12

Environmental Systems

Basic Life Support [11 Power/round]	24
Reserve Life Support [6 Power/round]	12
Emergency Life Support (36 emergency shelters)	12
Gravity [3 Power/round]	6
Consumables: 2 years' worth	12
Food Replicators [6 Power/round]	6
Industrial Replicators	9
Type: Network of small replicators [2 Power/round]	
Type: 1 large unit [2 Power/replicator/round]	
Medical Facilities: 5 (+1) [5 Power/round]	25
Recreation Facilities: 5 [10 Power/round]	40
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	18
Fire Suppression System [1 Power/round when active]	6
Cargo Holds: 100,000 cubic meters	3
Locations: Engineering forward port and starboard	
Escape Pods	8
Number: 140	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 5C	65
Speed: 5.0/8.0/9.0 [1 Power/.2 warp speed]	
PIS: Type E (8 hours of Maximum warp)	10

Impulse Engine

Type: Class 4B (.65c/.85c) [6/8 Power/round]	23
Acceleration Uprating: Class Alpha (66% acceleration) [1 Power/round when active]	2
Location: Engineering aft	

Impulse Engine

Type: Class 4B (.65c/.85c) [6/8 Power/round]	23
Acceleration Uprating: Class Alpha (66% acceleration) [1 Power/round when active]	2
Location: Saucer aft, port and starboard	
Reaction Control System (.025c) [2 Power/round when in use]	6

POWER SYSTEMS

Warp Engine

Type: Class 9/0 (generates 485 Power/round)	104
Location: Engineering	
Impulse Engine[s]: 2 Class 4B (generate 38 Power/engine/round)	
Auxiliary Power: 3 reactors (generate 5 Power/reactor/round)	9
Emergency Power: Type C (generates 35 Power/round)	35
EPS: Standard Power flow, +300 Power transfer/round	60

Standard Usable Power: 561

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	30
Separation System: Saucer separation [10 Power]	7

Computers

Core 1: Saucer [5 Power/round]	12
Core 2: Engineering [5 Power/round]	12
Uprating: Class Alpha (+1) [1 Power/computer/round]	4
ODN	18

Navigational Deflector [5 Power/round] **24**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Ventral, at forward end of Engineering hull

Sensor Systems

Long-range Sensors [5 Power/round]	52
Range Package: Type 7 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)	
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)	
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	

Lateral Sensors [5 Power/round] 24
Strength Package: Class 9 (Strength 9)
Gain Package: Class Beta (+2)
Coverage: Standard
Navigational Sensors: [5 Power/round] 22
Strength Package: Class 9 (Strength 9)
Gain Package: Class Beta (+2)
Probes: 50 5

Sensors Skill: 4

Flight Control Systems
Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2 [1 Power/round in use] 11
Navigational Computer
Main: Class 3 (+2) [2 Power/round] 4
Backups: 1 1
Inertial Damping Field
Main 36
Strength: 9 [3 Power/round]
Number: 3
Backup 12
Strength: 6 [2 Power/round]
Number: 4
Attitude Control [2 Power/round] 2

Communications Systems
Type: Class 8 [2 Power/round] 24
Strength: 8
Security: -4 (Class Gamma uprating)
Basic Uprating: Class Beta (+2)
Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Forward dorsal, aft ventral
Emitter: Class Alpha [3 Power/Strength used/round] 3
Accuracy: 5/6/8/11
Location: Shuttlebay

Transporters
Type: Personnel [4 Power/use] 48
Pads: 4
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Two in saucer, one in Engineering
Type: Emergency [5 Power/use] 60
Pads: 16
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Two in saucer, two in Engineering
Type: Cargo [4 Power/use] 39
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Two in Engineering, one in saucer

Cloaking Device: None

Security Systems
Rating: 3 12
Anti-Intruder System: Yes [1 Power/round] 6
Internal Force Fields [1 Power/3 Strength] 6

Science Systems
Rating 2 (+1) [2 Power/round] 16
Specialized Systems: 2 10
Laboratories: 12 4

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array **33**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Saucer forward dorsal
Firing Arc: 405 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array **32**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer forward ventral
Firing Arc: 405 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Aft Dorsal Phaser Array **22**
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering aft dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Aft Ventral Phaser Array **22**
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering aft ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Port Nacelle Pylon Dorsal Phaser Array **19**
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 60 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Port nacelle pylon dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Starboard Nacelle Pylon Dorsal Phaser Array **19**
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 60 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Starboard nacelle pylon dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Torpedo Pod Forward Torpedo Launchers (3) **45**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Torpedo pod, forward
Firing Arc: Forward, but are self-guided

Torpedo Pod Aft Torpedo Launchers (2) **30**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Torpedo pod, aft
Firing Arc: Aft, but are self-guided

Ventral Torpedo Launcher **17**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Ventral forward, mounted on bottom of Engineering
Firing Arc: Forward, but are self-guided

Torpedoes Carried: 300 **30**

TA/T/TS: Class Gamma [2 Power/round] **12**
Strength: 9
Bonus: +2

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **65 (x4)**
Shield Generator: Class 5 (Protection 900) [90 Power/shield/round]
Shield Grid: Type C (50% increase to 1350 Protection)
Subspace Field Distortion Amplifiers: Class Epsilon (Threshold 250)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **6**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 30 Size worth of ships **60**
Standard Complement: 15 shuttlecraft, 5 shuttlepods
Location(s): Engineering aft

Captain's Yacht: Yes **10**

DESCRIPTION AND NOTES

Fleet data: The *Bradbury*-class is a Heavy Frigate designed for missions in or near high-threat regions of space (such as near the Romulan Neutral Zone or any system fought over in the Dominion War). It combines strong shields with a powerful weapons array and a high degree of speed and maneuverability to create a potent offensive platform.

Physically, the *Bradbury* consists of a separable arrowhead-shaped saucer section, an Engineering section with a roughly trapezoidal cross-section, and two downward-curving nacelle pylons attached to the aft dorsal side of Engineering. Additionally, mounted to the forward part of Engineering's dorsal spine is a torpedo pod which contains five torpedo launchers (three forward, two aft). The pod looks over the saucer like a cobra, ready to fire at any hostile ships, giving the *Bradbury* a slightly sinister appearance in the eyes of some officers. The ship shares many design elements with the *Intrepid*-class Light Explorer, and could be considered one of that class's predecessor designs.

One advantage which *Bradbury*-class vessels enjoy compared to most ships of their size is the ability to enter planetary atmospheres, and even to make planetfall. Clever *Bradbury* commanders use atmospheres as cover, hiding in them where other ships cannot follow (and torpedoes break apart).

Due to the placement of the *Bradbury*'s torpedo launchers, it suffers from a "torpedo arc shadow" in the aft ventral angle. Although some of its phaser arrays can target ships in that area, the only way to attack a target in that region with a torpedo is to fire it aft dorsal and direct it to change course to hit the target. ASDB tactical engineers are examining possible solutions to this problem, which contributed to the destruction of several *Bradbury*-class vessels during the Dominion War.

Noteworthy vessels/service records/encounters: *U.S.S. Bradbury,* NX-72307, prototype; *U.S.S. Charthev,* NCC-74120, destroyed two Breen ships and was in turn destroyed defending Earth (2375); *U.S.S. Joyce,* NCC-73097, destroyed in the Tyra system disaster (2374); *U.S.S. Tolkien,* NCC-73112, helped defeat Dominion force attempting to conquer Vulcan (2375); *U.S.S. Twarel,* NCC-73113, participated in liberation of Betazed (2375).

CENTAUR CLASS

Class and Type: *Centaur*-class Cruiser

Commissioning Date: 2373

HULL SYSTEMS

Size: 6
- Length: 381.87 meters
- Beam: 320.16 meters
- Height: 78.54 meters
- Decks: 16
- Mass: 870,000 metric tonnes
- SUs Available: 1,825
- SUs Used: 1,746

Hull

Outer	24
Inner	24

Resistance

Outer Hull: 8	9
Inner Hull: 8	9

Structural Integrity Field

Main: Class 3 (Protection 60/90)	
[1 Power/10 Protection/round]	24
Backup: Class 3 (Protection 30)	
[1 Power/10 Protection/round]	12
Backup: Class 3 (Protection 30)	
[1 Power/10 Protection/round]	12

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 315/50/3,000

Crew Quarters

Spartan: None	
Basic: 280	28
Expanded: 40	8
Luxury: 20	20
Unusual: 8	8

Environmental Systems

Basic Life Support [10 Power/round]	24
Reserve Life Support [5 Power/round]	12
Emergency Life Support (36 emergency shelters)	12
Gravity [3 Power/round]	6
Consumables: 1 years' worth	6
Food Replicators [6 Power/round]	6
Industrial Replicators	9
Type: Network of small replicators [2 Power/round]	
Type: 1 large unit [2 Power/replicator/round]	
Medical Facilities: 7 (+2) [7 Power/round]	35
Recreation Facilities: 5 [10 Power/round]	40
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	18
Fire Suppression System [1 Power/round when active]	6
Cargo Holds: 66,000 cubic meters	2
Locations: Various small holds throughout saucer	
Escape Pods	8
Number: 140	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6A6	93
Speed: 6.0/8.0/9.6 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 8 (.75c/.95c) [7/9 Power/round]	40
Acceleration Uprating: Class Beta (75% acceleration)	
[2 Power/round when active]	4
Location: Saucer aft, port and starboard	

Impulse Engine

Type: Class 8 (.75c/.95c) [x/x Power/round]	40
Acceleration Uprating: Class Beta (75% acceleration)	
[2 Power/round when active]	4
Location: Engineering module, aft	
Reaction Control System (.025c) [2 Power/round when in use]	6

POWER SYSTEMS

Warp Engine

Type: Class 9/0 (generates 495 Power/round)	105
Location: Engineering module	
Impulse Engine[s]: 2 Class 8 (generate 64 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +300 Power transfer/round	60

Standard Usable Power: 563

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OPERATIONS SYSTEMS

Bridge: Saucer dorsal	30

Computers

Core 1: Saucer [5 Power/round]	12
Core 2: Engineering module [5 Power/round]	12
Uprating: Class Alpha (+1) [1 Power/computer/round]	4
ODN	18

Navigational Deflector [5 Power/round] **24**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Engineering module forward

Sensor Systems

Long-range Sensors [5 Power/round]	34
Range Package: Type 6 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 16 light-years (1/1.1-5.0/5.1-12.0/12.1-16)	
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	17
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	16
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Probes: 40	4

Sensors Skill: 3

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2 [1 Power/round in use] 11
- Navigational Computer
  - Main: Class 3 (+2) [2 Power/round] 4
  - Backups: 1 1
- Inertial Damping Field
  - Main 36
    - Strength: 9 [3 Power/round]
    - Number: 3
  - Backup 12
    - Strength: 6 [2 Power/round]
    - Number: 4
- Attitude Control [2 Power/round] 2

Communications Systems
- Type: Class 8 [2 Power/round] 21
  - Strength: 8
  - Security: -4 (Class Gamma uprating)
  - Basic Uprating: Class Alpha (+1)
- Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
- Emitter: Class Gamma [3 Power/Strength used/round] 9
  - Accuracy: 4/5/7/10
  - Location: Forward dorsal
- Emitter: Class Gamma [3 Power/Strength used/round] 9
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] 3
  - Accuracy: 5/6/8/11
  - Location: Shuttlebay

Transporters
- Type: Personnel [5 Power/use] 48
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: Two in saucer, one in engineering module
- Type: Emergency [5 Power/use] 28
  - Pads: 16
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: Two in saucer, one in engineering module
- Type: Cargo [4 Power/use] 17
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: One in saucer, one in engineering module

Cloaking Device: None

Security Systems
- Rating: 3 12
- Anti-Intruder System: Yes [1 Power/round] 6
- Internal Force Fields [1 Power/3 Strength] 6

Science Systems
- Rating 2 (+1) [2 Power/round] 16
- Specialized Systems: 1 5
- Laboratories: 14 4

TACTICAL SYSTEMS

Saucer Ventral Phaser Arrays (4) 56
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 40 (up to 1 shot per round per array)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Four arrays spaced equidistantly around forward three-quarters of saucer, ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Phaser Arrays (4) 56
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 40 (up to 1 shot per round per array)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Four arrays spaced equidistantly around forward three-quarters of saucer, dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Aft Phaser Array 21
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer aft, between impulse engines
  - Firing Arc: 360 degrees aft
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Torpedo Launcher 15
- Standard Load: Type II photon torpedo (200 Damage)
  - Spread: 6
  - Range: 15/350,000/1,500,000/4,050,000
  - Targeting System: Accuracy 4/5/7/10
  - Power: [20 + 5 per torpedo fired]
  - Location: Forward ventral
  - Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher 15
- Standard Load: Type II photon torpedo (200 Damage)
  - Spread: 6
  - Range: 15/350,000/1,500,000/4,050,000
  - Targeting System: Accuracy 4/5/7/10
  - Power: [20 + 5 per torpedo fired]
  - Location: Engineering module aft
  - Firing Arc: Aft, but are self-guided

Torpedoes Carried: 120 12

TA/T/TS: Class Beta [1 Power/round] 9
- Strength: 8
- Bonus: +1

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) 76 (x4)
- Shield Generator: Class 6 (Protection 1050) [105 Power/shield/round]
- Shield Grid: Type C (50% increase to 1575 Protection)
- Subspace Field Distortion Amplifiers: Class Eta (Threshold 350)
- Recharging System: Class 1 (45 seconds)
- Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **6**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 20 Size worth of ships **40**
Standard Complement: 8 shuttlecraft and 4 shuttlepods, or 10 Starfleet attack fighters
Location(s): Saucer aft

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The *Centaur*-class Cruiser, like the *Curry*-class or *Yeager*-class, is a product of the desperation created by the threat of the Dominion and war with it. In order to field as many vessels as possible to counter the Dominion's military incursion into the Alpha Quadrant, Starfleet had to construct many vessels quickly, without the full complement of systems and capabilities possessed by most of its ships. The *Centaur* is the perfect example. It consists of a modified *Excelsior*-class saucer to which is attached two warp nacelles via two short pylons and a small "engineering module" at the aft of the saucer. To make it a powerful combatant, it's equipped with nine phaser arrays and two torpedo launchers. Although it has no separation system, it has a second impulse system to back up the first and provide extra Power.

The *Centaur*-class has no reason for existence beyond combat. It lacks the advanced systems and storage capabilities necessary for exploration or long-term patrols, or the facilities necessary for diplomatic missions. However, it definitely helped to bolster the often all too weak Federation lines in the Dominion War.

Noteworthy vessels/service records/ encounters: *U.S.S. Centaur,* prototype constructed in 2373; *U.S.S. Chiron,* participated in Operation Return (2374).

CHALLENGER CLASS

Class and Type: *Challenger*-class Light Cruiser
Commissioning Date: 2355

HULL SYSTEMS

Size: 5
Length: 243.56 meters
Beam: 140.3 meters
Height: 48.68 meters
Decks: 8
Mass: 365,000 metric tonnes
SUs Available: 1,325
SUs Used: 1,233

Hull

Outer	20
Inner	20

Resistance

Outer Hull: 6	6
Inner Hull: 6	6

Structural Integrity Field

Main: Class 3 (Protection 60/90)	
[1 Power/10 Protection/round]	23
Backup: Class 3 (Protection 30)	
[1 Power/10 Protection/round]	12
Backup: Class 3 (Protection 30)	
[1 Power/10 Protection/round]	12

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 212/80/2,750

Crew Quarters

Spartan: None	
Basic: 160	16
Expanded: 50	10
Luxury: 25	25
Unusual: 10	10

Environmental Systems

Basic Life Support [10 Power/round]	20
Reserve Life Support [5 Power/round]	12
Emergency Life Support (30 emergency shelters)	12
Gravity [2 Power/round]	5
Consumables: 2 years' worth	10
Food Replicators [5 Power/round]	5
Industrial Replicators	8
Type: Network of small replicators [2 Power/round]	
Type: 1 large unit [2 Power/replicator/round]	
Medical Facilities: 5 (+1) [5 Power/round]	25
Recreation Facilities: 4 [8 Power/round]	32
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	15
Fire Suppression System [1 Power/round when active]	5
Cargo Holds: 33,000 cubic meters	1
Locations: Saucer aft, other locations throughout saucer	
Escape Pods	6
Number: 120	
Capacity: 4 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 5D	70
Speed: 5.0/8.5/9.1 [1 Power/.2 warp speed]	
PIS: Type E (8 hours of Maximum warp)	10
Uprating: Class 1 upratings for Sustainable, Maximum speeds	4

Impulse Engine

Type: Class 4A (.6c/.85c) [6/8 Power/round]	22
Location: Saucer aft	
Reaction Control System (.025c) [2 Power/round when in use]	5

POWER SYSTEMS

Warp Engine

Type: Class 7/M (generates 365 Power/round)	82
Location: Saucer aft	
Impulse Engine[s]: 1 Class 4A (generate 38 Power/engine/round)	
Auxiliary Power: 3 reactors (generate 5 Power/reactor/round)	9
Emergency Power: Type C (generates 35 Power/round)	35
EPS: Standard Power flow, +250 Power transfer/round	50

Standard Usable Power: 403

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	25

Computers

Core 1: Saucer port [5 Power/round]	10
Core 2: Saucer starboard [5 Power/round]	10
Uprating: Class Alpha (+1) [1 Power/computer/round]	4
ODN	15

Navigational Deflector [5 Power/round] 20
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Saucer ventral

Sensor Systems

Long-range Sensors [5 Power/round]	35
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 6 (Strength 6)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	15
Strength Package: Class 6 (Strength 6)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	14
Strength Package: Class 6 (Strength 6)	
Gain Package: Class Alpha (+1)	
Probes: 40	4

Sensors Skill: 3

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 1	
[1 Power/round in use]	10

Navigational Computer
- Main: Class 2 (+1) [1 Power/round] 2
- Backups: 1 1

Inertial Damping Field
- Main 30
  - Strength: 9 [3 Power/round]
  - Number: 3
- Backup 6
  - Strength: 6 [2 Power/round]
  - Number: 2

Attitude Control [1 Power/round] 1

Communications Systems
Type: Class 7 [2 Power/round] 17
- Strength: 7
- Security: -3
- Basic Uprating: Class Alpha (+1)

Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Beta [3 Power/Strength used/round] 6
- Accuracy: 5/6/8/11
- Location: Aft ventral

Emitter: Class Alpha [3 Power/Strength used/round] 3
- Accuracy: 5/6/8/11
- Location: Shuttlebay

Transporters
Type: Personnel [4 Power/use] 42
- Pads: 4
- Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
- Energizing/Transition Coils: Class F (Strength 6)
- Number and Location: Three in saucer

Type: Emergency [4 Power/use] 24
- Pads: 12
- Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
- Energizing/Transition Coils: Class F (Strength 6)
- Number and Location: Two in saucer

Type: Cargo [4 Power/use] 22
- Pads: 400 kg
- Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
- Energizing/Transition Coils: Class F (Strength 6)
- Number and Location: Two in saucer

Cloaking Device: None

Security Systems
Rating: 3 12
- Anti-Intruder System: Yes [1 Power/round] 5
- Internal Force Fields [1 Power/3 Strength] 5

Science Systems
Rating 2 (+1) [2 Power/round] 15
- Specialized Systems: 1 5
- Laboratories: 7 2

TACTICAL SYSTEMS

Saucer Ventral Phaser Array **13**
Type: VIII
- Damage: 160 [16 Power]
- Number of Emitters: 40 (up to 1 shot per round)
- Auto-Phaser Interlock: Accuracy 4/5/7/10
- Range: 10/30,000/100,000/300,000
- Location: Saucer ventral
- Firing Arc: 360 degrees ventral
- Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Phaser Array **13**
Type: VIII
- Damage: 160 [16 Power]
- Number of Emitters: 40 (up to 1 shot per round)
- Auto-Phaser Interlock: Accuracy 4/5/7/10
- Range: 10/30,000/100,000/300,000
- Location: Saucer dorsal
- Firing Arc: 360 degrees dorsal
- Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Dorsal Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
- Spread: 6
- Range: 15/300,000/1,000,000/3,500,000
- Targeting System: Accuracy 4/5/7/10
- Power: [20 + 5 per torpedo fired]
- Location: Saucer forward dorsal
- Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
- Spread: 6
- Range: 15/300,000/1,000,000/3,500,000
- Targeting System: Accuracy 4/5/7/10
- Power: [20 + 5 per torpedo fired]
- Location: Saucer aft
- Firing Arc: Aft, but are self-guided

Torpedoes Carried: 100 **10**

TA/T/TS: Class Alpha [0 Power/round] **6**
- Strength: 7
- Bonus: +0

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) **40 (x4)**
- Shield Generator: Class 3 (Protection 600) [60 Power/shield/round]
- Shield Grid: Type B (33% increase to 800 Protection)
- Subspace Field Distortion Amplifiers: Class Delta (Threshold 200)
- Recharging System: Class 1 (45 seconds)
- Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System **5**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 15 Size worth of ships **30**
Standard Complement: 6 shuttlecraft, 3 shuttlepods
- Location(s): Saucer port, saucer starboard

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The *Challenger*-class Light Cruiser is a design of rather lengthy lineage. Based in part on the original *U.S.S. Challenger,* NCC-2032, it consists of little more than a saucer adapted from the *Galaxy*-class Explorer program, with two warp nacelles attached to the aft part of the saucer with a T-shaped pylon so that they sit above and behind the saucer itself. (Some variants of this class situate one nacelle above the saucer, one below.) The resulting ship, while not aesthetically pleasing, and underpowered compared to most Light Cruisers despite a series of upgrades, serves well as a patrol ship, short-range exploration and scouting vessel, and diplomatic courier.

Noteworthy vessels/service records/ encounters: *U.S.S. Armstrong,* NCC-57537, attacked by Klingon assault group (2373); *U.S.S. Buran,* NCC-57580, destroyed by the Borg at Wolf 359 (2367). Also in service: *U.S.S. Kearsage,* NCC-57566.

CHEYENNE CLASS

Class and Type: *Cheyenne*-class Light Cruiser

Commissioning Date: 2361

HULL SYSTEMS

Size: 7
Length: 380.64 meters
Beam: 275.33 meters
Height: 88.75 meters
Decks: 20
Mass: 468,000 metric tonnes
SUs Available: 1,900
SUs Used: 1,799

Hull

Outer	28
Inner	28

Resistance

Outer Hull: 10	12
Inner Hull: 10	12

Structural Integrity Field

Main: Class 5 (Protection 80/120)	
[1 Power/10 Protection/round]	31
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	16
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	16

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 350/75/3,750

Crew Quarters

Spartan: None	
Basic: 350	35
Expanded: 40	8
Luxury: 15	15
Unusual: 8	8

Environmental Systems

Basic Life Support [11 Power/round]	28
Reserve Life Support [5 Power/round]	14
Emergency Life Support (30 emergency shelters)	14
Gravity [4 Power/round]	7
Consumables: 2 years' worth	14
Food Replicators [7 Power/round]	7
Industrial Replicators	
Type: Network of small replicators [2 Power/round]	10
Type: 1 large unit [2 Power/replicator/round]	
Medical Facilities: 7 (+2) [7 Power/round]	35
Recreation Facilities: 4 [8 Power/round]	32
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	21
Fire Suppression System [1 Power/round when active]	7
Cargo Holds: 200,000 cubic meters	6
Locations: Saucer port and starboard, others throughout saucer	
Escape Pods	8
Number: 160	
Capacity: 4 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6B	95
Speed: 6.0/8.6/9.2 [1 Power/.2 warp speed]	
PIS: Type G (10 hours of Maximum warp)	14

Impulse Engine

Type: Class 6 (.75c/.9c) [7/9 Power/round]	30
Acceleration Uprating: Class Alpha (66% acceleration)	
[1 Power/round when active]	2
Location: Saucer aft, to port and starboard of engineering section	
Reaction Control System (.025c) [2 Power/round when in use]	7

POWER SYSTEMS

Warp Engine

Type: Class 10/P (generates 549 Power/round)	115
Location: Engineering section	
Impulse Engine[s]: 1 Class 6 (generate 48 Power/engine/round)	
Auxiliary Power: 3 reactors (generate 5 Power/reactor/round)	9
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +280 Power transfer/round	63

Standard Usable Power: 597

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	35

Computers

Core 1: Saucer port [5 Power/round]	14
Core 2: Saucer starboard [5 Power/round]	14
Uprating: Class Alpha (+1) [1 Power/computer/round]	4
ODN	21

Navigational Deflector [5 Power/round] **28**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Saucer aft ventral

Sensor Systems

Long-range Sensors [5 Power/round]	48
Range Package: Type 6 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 16 light-years (1/1.1-5.0/5.1-12.0/12.1-16)	
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	24
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	22
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Probes: 45	5

Sensors Skill: 4

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2	
[1 Power/round in use]	11

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Navigational Computer
Main: Class 3 (+2) [2 Power/round] 4
Backups: 1 1
Inertial Damping Field
Main 56
Strength: 9 [3 Power/round]
Number: 4
Backup 12
Strength: 6 [2 Power/round]
Number: 3
Attitude Control [2 Power/round] 2

Communications Systems
Type: Class 8 [2 Power/round] 21
Strength: 8
Security: -4 (Class Gamma uprating)
Basic Uprating: Class Alpha (+1)
Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Aft ventral
Emitter: Class Gamma [3 Power/Strength used/round] 3
Accuracy: 5/6/8/11
Location: Shuttlebay

Transporters
Type: Personnel [5 Power/use] 34
Pads: 6
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Two in saucer
Type: Emergency [5 Power/use] 45
Pads: 16
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Three in saucer
Type: Cargo [4 Power/use] 26
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Two in saucer

Cloaking Device: None

Security Systems
Rating: 4 16
Anti-Intruder System: Yes [1 Power/round] 7
Internal Force Fields [1 Power/3 Strength] 7

Science Systems
Rating 2 (+1) [2 Power/round] 17
Specialized Systems: 2 10
Laboratories: 18 4

TACTICAL SYSTEMS

Saucer Ventral Phaser Array 44
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 200 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer ventral
Firing Arc: 405 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Phaser Array 44
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 200 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal
Firing Arc: 405 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Port Dorsal Pylon Phaser Array 22
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 80 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Port dorsal pylon
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Port Ventral Pylon Phaser Array 22
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 80 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Port ventral pylon
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Starboard Dorsal Pylon Phaser Array 22
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 80 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Starboard dorsal pylon
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Starboard Ventral Pylon Phaser Array 22
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 80 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Starboard ventral pylon
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Torpedo Launcher **16**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer forward dorsal
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher **16**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Engineering section aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 100 **10**

TA/T/TS: Class Gamma [2 Power/round] **12**
Strength: 9
Bonus: +2

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **60 (x4)**
Shield Generator: Class 5 (Protection 1000)
[100 Power/shield/round]
Shield Grid: Type X (50% increase to 1500 Protection)
Subspace Field Distortion Amplifiers: Class Zeta (Threshold 300)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **7**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 8 Size worth of ships **16**
Standard Complement: 4 shuttlecraft
Location(s): Saucer port, saucer starboard

Captain's Yacht: Yes **10**

DESCRIPTION AND NOTES

Fleet data: The *Cheyenne*-class is the Heaviest of the Light Cruisers; in fact, it's nearly as long as a full Cruiser, and it's armed with a respectable complement of Type IX phasers and photon torpedo launchers. It consists of a large saucer with a notch aft, to which is attached a small Engineering section. Attached to the Engineering section are four pylons—two curving gently downward, two gently upward—terminating in warp nacelles.

The *Cheyenne*-class serves primarily as an escort and patrol vessel. With its speed and offensive power, it's well-suited to dealing with aggressors or other problems. During the Dominion War, *Cheyenne*-class vessels were usually tasked as support vessels for larger craft. They acted as the secondary anchors of fighting wings, or sometimes even led smaller wings.

Noteworthy vessels/service records/ encounters: *U.S.S. Cheyenne,* prototype; *U.S.S. Ahwanee,* NCC-73620, damaged in Battle of Wolf 359 and abandoned (2367), later recovered, repaired, and renumbered NCC-71620, participated in tachyon detection grid to disrupt Romulan interference in Klingon civil war (2368), engaged the Tholians during the Draconis IX Perimeter Action (2371), destroyed defending Vulcan from Dominion attack (2374); *U.S.S. Haida,* NCC-72491, survived the Battle of Tyra (2374); *U.S.S. Paiute,* NCC-70752, destroyed in assault on Chin'toka System (2374).

CHIMERA CLASS

Class and Type: *Chimera*-class Fast Frigate

Commissioning Date: 2366

HULL SYSTEMS

Size: 6
- Length: 288.33 meters
- Beam: 173.98 meters
- Height: 74.85 meters
- Decks: 15
- Mass: 660,000 metric tonnes
- SUs Available: 1,710
- SUs Used: 1,595

Hull

Outer	24
Inner	24

Resistance

Outer Hull: 6	6
Inner Hull: 6	6

Structural Integrity Field

Main: Class 5 (Protection 80/120)	
[1 Power/10 Protection/round]	30
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	15
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	15

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 275/70/2,550

Crew Quarters

Spartan: 0	
Basic: 250	25
Expanded: 40	8
Luxury: 6	6
Unusual: 3	3

Environmental Systems

Basic Life Support [10 Power/round]	24
Reserve Life Support [5 Power/round]	12
Emergency Life Support (36 emergency shelters)	12
Gravity [3 Power/round]	6
Consumables: 2 years' worth	12
Food Replicators [6 Power/round]	6
Industrial Replicators	9
Type: Network of small replicators [2 Power/round]	
Type: 1 large unit [2 Power/replicator/round]	
Medical Facilities: 5 (+1) [5 Power/round]	25
Recreation Facilities: 5 [10 Power/round]	40
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	18
Fire Suppression System [1 Power/round when active]	6
Cargo Holds: 66,000 cubic meters	2
Locations: Saucer section	
Escape Pods	8
Number: 140	
Capacity: 6 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6A6	93
Speed: 6.0/8.0/9.6 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 5A (.72c/.9c) [7/9 Power/round]	28
Location: Aft saucer	
Reaction Control System (.025c) [2 Power/round when in use]	6

POWER SYSTEMS

Warp Engine

Type: Class 9/0 (generates 470 Power/round)	102
Location: Engineering hull	
Impulse Engine[s]: 1 Class 5A (generates 44 Power/engine/round)	
Auxiliary Power: 3 reactors (generate 5 Power/reactor/round)	9
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +250 Power transfer/round	55

Standard Usable Power: 514

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	30

Computers

Core 1: Saucer port [5 Power/round]	12
Core 2: Saucer starboard [5 Power/round]	12
Uprating: Class Alpha (+1) [1 Power/computer/round]	4
ODN	18

Navigational Deflector [5 Power/round] **24**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Saucer ventral

Sensor Systems

Long-range Sensors [5 Power/round]	34
Range Package: Type 6 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 16 light-years (1/1.1-5.0/5.1-12.0/12.1-16)	
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	17
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	16
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Probes: 30	3

Sensors Skill: 3

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2	
[1 Power/round in use]	11
Navigational Computer	
Main: Class 3 (+2) [2 Power/round]	4
Backups: 1	1

Inertial Damping Field
Main 36
Strength: 9 [3 Power/round]
Number: 3
Backup 12
Strength: 6 [2 Power/round]
Number: 4
Attitude Control [2 Power/round] 2

Communications Systems
Type: Class 7 [2 Power/round] 17
Strength: 7
Security: -3
Basic Uprating: Class Alpha (+1)
Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Aft ventral
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Saucer dorsal
Emitter: Class Alpha [3 Power/Strength used/round] 3
Accuracy: 5/6/8/11
Location: Shuttlebay

Transporters
Type: Personnel [5 Power/use] 48
Pads: 6
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: Two in saucer, one in Engineering section
Type: Emergency [5 Power/use] 28
Pads: 14
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: Two in saucer, one in Engineering section
Type: Cargo [4 Power/use] 17
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: Two in saucer

Cloaking Device: None

Security Systems
Rating: 3 12
Anti-Intruder System: Yes [1 Power/round] 6
Internal Force Fields [1 Power/3 Strength] 6

Science Systems
Rating 2 (+1) [2 Power/round] 16
Specialized Systems: None
Laboratories: 10 2

TACTICAL SYSTEMS

Saucer Ventral Phaser Arrays (3) 42
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 40 (up to 1 shot per round per array)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Three arrays spaced equidistantly around forward three-quarters of saucer, ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Phaser Arrays (4) 56
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 40 (up to 1 shot per round per array)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Four arrays spaced equidistantly around forward three-quarters of saucer, dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Section Aft Phaser Array 21
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering section aft
Firing Arc: 360 degrees aft
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Torpedo Launcher 15
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher 15
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Engineering module aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 100 10

TA/T/TS: Class Beta [1 Power/round] 9
Strength: 8
Bonus: +1

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) 73 (x4)
Shield Generator: Class 5 (Protection 1000) [100 Power/shield/round]
Shield Grid: Type C (50% increase to 1500 Protection)
Subspace Field Distortion Amplifiers: Class Eta (Threshold 330)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System 6

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 10 Size worth of ships **20**
Standard Complement: 5 shuttlecraft
Location(s): Saucer, port and starboard

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The *Chimera*-class vessel is, according to most Starfleet officers, the strangest-looking of the jury-rigged ships built to fight the Dominion War. Attached to its *Excelsior*-style saucer section are three warp nacelles (two below, one above). Its weaponry, like that of its sister ship the *Centaur*-class Cruiser, also derives from the *Excelsior*-class ship; it includes multiple small phaser arrays located on both sides of the saucer, and a single array aft.

Because of its unusual construction, the *Chimera*-class features relatively strong SIF, IDF, and shields to hold it together. Despite this, it has proven vulnerable to hull stress in many different forms; Flight Control officers have learned to handle it with a delicate touch. (In game terms, if the ship attempts any maneuver with a Difficulty of 8 or higher and fails, it suffers 2d6 x 10 points of damage against which only the SIF applies.)

Noteworthy vessels/service records/ encounters: *U.S.S Chimera,* NCC-71653, prototype, destroyed in Dominion War (2374); *U.S.S. Ta'veret,* NCC-71777, participated in defense of Bolarus System (2374-75); *U.S.S. Janeng,* NCC-72146, participated in final attack on Cardassia Prime (2375).

CONSTELLATION CLASS

Class and Type: *Constellation*-class Exploratory Cruiser

Commissioning Date: 2304

HULL SYSTEMS

Size: 6
Length: 302.95 meters
Beam: 157.23 meters
Height: 78.10 meters
Decks: 16
Mass: 1,345,000 metric tonnes
SUs Available: 1,725
SUs Used: 1,616

Hull

Outer	24
Inner	24

Resistance

Outer Hull: 6	6
Inner Hull: 6	6

Structural Integrity Field

Main: Class 6 (Protection 90/130)	
[1 Power/10 Protection/round]	33
Backup: Class 6 (Protection 50)	
[1 Power/10 Protection/round]	17
Backup: Class 6 (Protection 50)	
[1 Power/10 Protection/round]	17

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 350/150/3,500

Crew Quarters

Spartan: None	
Basic: 320	32
Expanded: 40	8
Luxury: 20	20
Unusual: 15	15

Environmental Systems

Basic Life Support [10 Power/round]	24
Reserve Life Support [5 Power/round]	12
Emergency Life Support (36 emergency shelters)	12
Gravity [3 ower/round]	6
Consumables: 3 years' worth	18
Food Replicators [6 Power/round]	6
Industrial Replicators	
Type: Network of small replicators [2 Power/round]	6
Type: 2 large units [2 Power/replicator/round]	12
Medical Facilities: 6 (+2) [6 Power/round]	30
Recreation Facilities: 6 [12 Power/round]	48
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	18
Fire Suppression System [1 Power/round when active]	6
Cargo Holds: 100,000 cubic meters	3
Locations: Saucer port, saucer starboard	
Escape Pods	8
Number: 140	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 5E	75
Speed: 5.3/9.0/9.2 [1 Power/.2 warp speed]	
PIS: Type E (8 hours of Maximum warp)	10
Uprating: Package 3 (+0.3 to Standard speed)	6

Impulse Engine

Type: Class 6 (.75c/.9c) [7/9 Power/round]	30
Location: Saucer aft port and starboard	
Reaction Control System (.025c) [2 Power/round when in use]	6

POWER SYSTEMS

Warp Engine

Type: Class 8/N (generates 440 Power/round)	94
Location: Engineering section	
Impulse Engine[s]: 1 Class 6 (generate 48 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type E (generates 45 Power/round)	45
EPS: Standard Power flow, +280 Power transfer/round	58

Standard Usable Power: 488

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	30

Computers

Core 1: Saucer port [5 Power/round]	12
Core 2: Saucer starboard [5 Power/round]	12
ODN	18

Navigational Deflector [5 Power/round] **24**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Saucer ventral

Sensor Systems

Long-range Sensors [5 Power/round]	40
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	17
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	16
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Probes: 40	4

Sensors Skill: 4

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 2, Coordination 1	
[1 Power/round in use]	7
Navigational Computer	
Main: Class 2 (+1) [1 Power/round]	2
Backups: 1	1

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Inertial Damping Field
Main 36
Strength: 9 [3 Power/round]
Number: 3
Backup 12
Strength: 6 [2 Power/round]
Number: 4
Attitude Control [2 Power/round] 2

Communications Systems
Type: Class 7 [2 Power/round] 14
Strength: 7
Security: -3
Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Aft ventral
Emitter: Class Alpha [3 Power/Strength used/round] 3
Accuracy: 5/6/8/11
Location: Shuttlebay

Transporters
Type: Personnel [5 Power/use] 68
Pads: 6
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: Three in saucer, one in Engineering section
Type: Emergency [6 Power/use] 64
Pads: 18
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: Three in saucer, one in Engineering section
Type: Cargo [4 Power/use] 52
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: Three in saucer, one in Engineering section

Cloaking Device: None

Security Systems
Rating: 3 12
Anti-Intruder System: Yes [1 Power/round] 6
Internal Force Fields [1 Power/3 Strength] 6

Science Systems
Rating 2 (+1) [2 Power/round] 16
Specialized Systems: 2 10
Laboratories: 22 6

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array 20
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array 20
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Port Phaser Array 12
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Aft, port of Engineering section
Firing Arc: 180 degrees aft port
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Starboard Phaser Array 12
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 40 (up to 2 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Aft, port of Engineering section
Firing Arc: 180 degrees aft starboard
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Torpedo Launcher 15
Standard Load: Type II photon torpedo (200 Damage)
Spread: 5
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer forward dorsal
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher 15
Standard Load: Type II photon torpedo (200 Damage)
Spread: 5
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 80 8

TA/T/TS: Class Beta [1 Power/round] 9
Strength: 8
Bonus: +1

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) 52 (x4)
Shield Generator: Class 3 (Protection 600)
[60 Power/shield/round]
Shield Grid: Type C (50% increase to 900 Protection)
Subspace Field Distortion Amplifiers: Class Delta (Threshold 200)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System 6

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 18 Size worth of ships **36**
Standard Complement: 6 shuttlecraft, 6 shuttlepods
Location(s): Saucer forward

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: One of the oldest designs still operational in Starfleet, the *Constellation*-class Exploratory Cruiser derives from the *Constitution*-class Explorer and *Excelsior*-class Exploratory Cruiser. Taking advantage of Starfleet's experience with those vessels, the ASDB designed a ship with a *Constitution*-like saucer section and four warp nacelles—two above and aft the saucer, two below and aft—to exploit advances in warp field theory. During the first few decades of the 24th century, the *Constellation* class was vital to Starfleet's deep space exploration, colony support, and defensive patrol missions.

The *Constellation*-class ceased production twenty years ago. Starfleet expects to retire those few vessels of the class which managed to survive the Dominion War within the next ten years.

Noteworthy vessels/service records/ encounters: *U.S.S. Constellation*, prototype; *U.S.S. Gettysburg*, NCC-3890, former command of Admiral Mark Jameson; *U.S.S. Hathaway*, NCC-2593, participated in battle simulation with *U.S.S. Enterprise*-D (2365); *U.S.S. Magellan*, NCC-3069, commanded by Captain Conklin; *U.S.S. Stargazer*, NCC-2893, former command of Captain Jean–Luc Picard, presumed destroyed in the Battle of Maxia (2355) but later recovered by Starfleet (2364); *U.S.S. Victory*, NCC-9754, commanded by Captain Zimbata, posting of Geordi LaForge prior to his service aboard the *U.S.S. Enterprise*–D. Also in service: *U.S.S. Antietam*, *U.S.S. Fading Sun*, *U.S.S. Vespucci*.

CURRY CLASS

Class and Type: *Curry*-class Cruiser

Commissioning Date: 2373

HULL SYSTEMS

Size: 6
- Length: 383.41 meters
- Beam: 195.64 meters
- Height: 148.50 meters
- Decks: 30
- Mass: 1,270,000 metric tonnes
- SUs Available: 2,100
- SUs Used: 1,995

Hull

Outer	24
Inner	24

Resistance

Outer Hull: 8	9
Inner Hull: 8	9

Structural Integrity Field

Main: Class 6 (Protection 90/130)	
[1 Power/10 Protection/round]	33
Backup: Class 6 (Protection 50)	
[1 Power/10 Protection/round]	17
Backup: Class 6 (Protection 50)	
[1 Power/10 Protection/round]	17

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 290/75/3,250

Crew Quarters

Spartan: None	
Basic: 280	28
Expanded: 35	7
Luxury: 20	20
Unusual: 10	10

Environmental Systems

Basic Life Support [10 Power/round]	24
Reserve Life Support [5 Power/round]	12
Emergency Life Support (36 emergency shelters)	12
Gravity [3 Power/round]	6
Consumables: 2 years' worth	12
Food Replicators [6 Power/round]	6
Industrial Replicators	12
Type: Network of small replicators [2 Power/round]	
Type: 2 large units [2 Power/replicator/round]	
Medical Facilities: 8 (+2) [8 Power/round]	40
EMH: Mark I [2 Power/round when active]	5
Recreation Facilities: 5 [10 Power/round]	40
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	18
Fire Suppression System [1 Power/round when active]	6
Cargo Holds: 200,000 cubic meters	6
Locations: Engineering forward, engineering aft, saucer	
Escape Pods	8
Number: 140	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6D	105
Speed: 6.0/9.2/9.75 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16
Uprating: Package 1 (+0.15 to Maximum)	2

Impulse Engine

Type: Class 4B (.65c/.85c) [6/8 Power/round]	23
Location: Aft saucer starboard	

Impulse Engine

Type: Class 4B (.65c/.85c) [6/8 Power/round]	23
Location: Aft saucer port	

Impulse Engine

Type: Class 4B (.65c/.85c) [6/8 Power/round]	23
Location: Aft Engineering port	

Impulse Engine

Type: Class 4B (.65c/.85c) [6/8 Power/round]	23
Location: Aft Engineering starboard	
Reaction Control System (.025c) [2 Power/round when in use]	6

POWER SYSTEMS

Warp Engine

Type: Class 7/M (generates 380 Power/round)	83
Location: Engineering hull amidships	
Impulse Engine[s]: 4 Class 4B (generate 38 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type E (generates 45 Power/round)	45
EPS: Standard Power flow, +300 Power transfer/round	60

Standard Usable Power: 502

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	30

Computers

Core 1: Saucer [5 Power/round]	12
Core 2: Engineering [5 Power/round]	12
Uprating: Class Beta (+2) [2 Power/computer/round]	8
ODN	18

Navigational Deflector [5 Power/round] **24**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Engineering hull forward ventral

Sensor Systems

Long-range Sensors [5 Power/round]	52
Range Package: Type 7 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)	
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)	
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	24
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	

Navigational Sensors: [5 Power/round] 22
Strength Package: Class 9 (Strength 9)
Gain Package: Class Beta (+2)
Probes: 60 6

Sensors Skill: 4

Flight Control Systems
Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2 [1 Power/round in use] 11
Navigational Computer
Main: Class 3 (+2) [2 Power/round] 4
Backups: 1 1
Inertial Damping Field
Main 36
Strength: 9 [3 Power/round]
Number: 3
Backup 12
Strength: 6 [2 Power/round]
Number: 4
Attitude Control [2 Power/round] 2

Communications Systems
Type: Class 8 [2 Power/round] 21
Strength: 8
Security: -4 (Class Gamma uprating)
Basic Uprating: Class Alpha (+1)
Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Aft ventral, forward dorsal
Emitter: Class Alpha [3 Power/Strength used/round] 6
Accuracy: 5/6/8/11
Location: Forward shuttlebay, aft shuttlebay

Transporters
Type: Personnel [5 Power/use] 51
Pads: 6
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Two in saucer, one in Engineering
Type: Emergency [6 Power/use] 48
Pads: 20
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Two in saucer, one in Engineering
Type: Cargo [4 Power/use] 78
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Two in forward cargo bay, two in aft cargo bay, two in saucer

Cloaking Device: None

Security Systems
Rating: 4 16
Anti-Intruder System: Yes [1 Power/round] 6
Internal Force Fields [1 Power/3 Strength] 6

Science Systems
Rating 2 (+1) [2 Power/round] 16
Specialized Systems: 1 5
Laboratories: 13 4

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array 43
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 200 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal
Firing Arc: 405 degrees dorsal (significant arc shadows)
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array 28
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer ventral
Firing Arc: 360 degrees ventral (significant arc shadows)
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Port Pylon Dorsal Phaser Array 14
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Port pylon dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Starboard Pylon Dorsal Phaser Array 14
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Starboard pylon dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Dorsal Phaser Array 24
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering aft dorsal
Firing Arc: 360 degrees dorsal (significant arc shadows)
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Ventral Phaser Array 24
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering aft ventral
Firing Arc: 360 degrees ventral (significant arc shadows)
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Forward Port Phaser Array **23**
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering hull forward port ventral
Firing Arc: 180 degrees ventral port (significant arc shadows)
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Forward Starboard Phaser Array **23**
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering hull forward starboard ventral
Firing Arc: 180 degrees ventral starboard (significant arc shadows)
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Phaser Array **27**
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering hull ventral amidships
Firing Arc: 135 degrees ventral aft
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Forward Dorsal Phaser Array **28**
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering hull forward dorsal
Firing Arc: 360 degrees dorsal (significant arc shadows)
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Port Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Engineering hull, forward ventral port
Firing Arc: Forward, but are self-guided

Forward Starboard Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Engineering hull, forward ventral starboard
Firing Arc: Forward, but are self-guided

Torpedoes Carried: 100 **10**

TA/T/TS: Class Gamma [2 Power/round] **12**
Strength: 9
Bonus: +2

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **61 (x4)**
Shield Generator: Class 4 (Protection 800) [80 Power/shield/round]
Shield Grid: Type C (50% increase to 1200 Protection)
Subspace Field Distortion Amplifiers: Class Epsilon (Threshold 250)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **6**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 40 Size worth of ships **80**
Standard Complement: 16 shuttlecraft and 8 shuttlepods or 20 Starfleet attack fighters
Location(s): Forward Engineering, aft Engineering

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: Like the *Centaur*-class, the *Curry*-class Cruiser is a vessel hastily assembled from surplus parts to fight in the Dominion War. It uses an *Excelsior*-class saucer, stripped-down *Excelsior*-class Engineering hull, and two large, powerful warp nacelles. The saucer attaches to the Engineering hull amidships dorsal, with the two nacelles attaching directly to the saucer on its port and starboard sides via pylons.

Curry-class vessels have extensive cargo holds and shuttlebays. The ship was designed with these features so that it could carry large amounts of materiel to war-ravaged planets and colonies. If necessary it can also act in a carrier capacity, ferrying fighters and other small vessels to the battlefield.

Like other "hybrid" ships built for the War, the *Curry*-class comes heavily armed, with ten Type IX phaser arrays and two torpedo launchers. However, due to its ungainly configuration, most of its phaser suffer from significant arc shadows.

Noteworthy vessels/service records/ encounters: *U.S.S. Curry,* NCC-45617, prototype; *U.S.S. Drexler,* NCC-45618, lost in the Battle of Tyra (2374); *U.S.S. Sternbach,* NCC-45619, participated in the defense of Vulcan (2375).

DANUBE CLASS

Class and Type: *Danube*-class Runabout

Commissioning Date: 2368

HULL SYSTEMS

Size: 2
- Length: 23.1 meters
- Beam: 13.7 meters
- Height: 5.4 meters
- Decks: 1
- Mass: 11.3 metric tonnes
- SUs Available: 600
- SUs Used: 579

Hull
- Outer 8
- Inner 8

Resistance
- Outer Hull: 4 3
- Inner Hull: 4 3

Structural Integrity Field
- Main: Class 2 (Protection 50/80)
  - [1 Power/10 Protection/round] 17
- Backup: Class 2 (Protection 30)
  - [1 Power/10 Protection/round] 9
- Backup: Class 2 (Protection 30)
  - [1 Power/10 Protection/round] 9

Specialized Hull: Atmospheric Capability; Planetfall Capability **4**

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 2/8/15

Crew Quarters
- Spartan: 2 1
- Basic: None
- Expanded: None
- Luxury: None
- Unusual: None

Environmental Systems
- Basic Life Support [3 Power/round] 8
- Reserve Life Support [2 Power/round] 4
- Emergency Life Support (no emergency shelters) 4
- Gravity [1 Power/round] 2
- Consumables: 1 week's worth 1
- Food Replicators [2 Power/round] 2
- Industrial Replicators: None
- Medical Facilities: 1 (+0) [1 Power/round] 5
- Recreation Facilities: 1 [2 Power/round] 8
- Personnel Transport: Jefferies tubes [0 Power/round] 2
- Fire Suppression System [1 Power/round when active] 2
- Cargo Holds: 200 cubic meters 1
  - Locations: Ventral
- Escape Pods: One (see text) 0

PROPULSION SYSTEMS

Warp Drive
- Nacelles: Type 4.8 28
  - Speed: 4.0/6.0/8.0 [1 Power/.2 warp speed]
  - PIS: Type C (6 hours of Maximum warp) 6

Impulse Engine
- Type: Class 3A (.5c/.75c) [5/7 Power/round] 18
  - Acceleration Uprating: Class Alpha (66% acceleration) [1 Power/round when active] 2
  - Location: Port pylon, starboard pylon
- Reaction Control System (.025c) [2 Power/round when in use] 2

POWER SYSTEMS

Warp Engine
- Type: Class 4/G (generates 230 Power/round) 53
  - Location: Dorsal spine
- Impulse Engine[s]: 1 Class 3A (generate 28 Power/engine/round)
- Auxiliary Power: None
- Emergency Power: Type B (generates 30 Power/round) 30
- EPS: Standard Power flow, +150 Power transfer/round 25

Standard Usable Power: 258

OPERATIONS SYSTEMS

- Bridge: Forward ("cockpit") 10

Computers
- Core 1: Cockpit subfloor [5 Power/round] 4
- Uprating: Class Alpha (+1) [1 Power/computer/round] 2
- ODN 6

Navigational Deflector [5 Power/round] **8**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Forward

Sensor Systems
- Long-range Sensors [5 Power/round] 23
  - Range Package: Type 2 (Accuracy 3/4/7/10)
  - High Resolution: 5 light-years (.5/.6-1.0/1.1-3.5/3.6-5.0)
  - Low Resolution: 12 light-years (1/1.1-3.0/3.1-8.0/8.1-12)
  - Strength Package: Class 6 (Strength 6)
  - Gain Package: Class Alpha (+1)
  - Coverage: Standard
- Lateral Sensors [5 Power/round] 15
  - Strength Package: Class 6 (Strength 6)
  - Gain Package: Class Alpha (+1)
  - Coverage: Standard
- Navigational Sensors: [5 Power/round] 14
- Strength Package: Class 6 (Strength 6)
- Gain Package: Class Alpha (+1)
- Probes: 6 1

Sensors Skill: 4

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2
  - [1 Power/round in use] 11

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Navigational Computer
Main: Class 2 (+1) [1 Power/round] 2
Backups: 1 1
Inertial Damping Field
Main 8
Strength: 8 [3 Power/round]
Number: 2
Backup 2
Strength: 5 [2 Power/round]
Number: 2
Attitude Control [1 Power/round] 1

Communications Systems
Type: Class 5 [2 Power/round] 13
Strength: 5
Security: -2
Basic Uprating: Class Alpha (+1)
Emergency Communications: No

Tractor Beams
Emitter: Class Beta [3 Power/Strength used/round] 6
Accuracy: 5/6/8/11
Location: Forward ventral
Emitter: Class Beta [3 Power/Strength used/round] 6
Accuracy: 5/6/8/11
Location: Aft

Transporters
Type: Personnel [3 Power/use] 15
Pads: 2
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Aft of the cockpit

Cloaking Device: None

Security Systems
Rating: 1 4
Anti-Intruder System: Yes [1 Power/round] 2
Internal Force Fields [1 Power/3 Strength] 2

Science Systems
Rating 1 (+0) [1 Power/round] 2
Specialized Systems: None
Laboratories: None

Mission-Specific Modules: Up to four SUs' worth of additional equipment or upgrades 4

TACTICAL SYSTEMS

Forward Ventral Phaser Array 13
Type: VI
Damage: 120 [12 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Forward ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Dorsal Phaser Array 13
Type: VI
Damage: 120 [12 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Forward dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Ventral Phaser Array 13
Type: VI
Damage: 120 [12 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Aft ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Dorsal Phaser Array 13
Type: VI
Damage: 120 [12 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Aft dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Port Pylon Phaser Array 11
Type: VI
Damage: 120 [12 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Port pylon dorsal
Firing Arc: 180 degrees dorsal port
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Starboard Pylon Phaser Array 11
Type: VI
Damage: 120 [12 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Starboard pylon dorsal
Firing Arc: 180 degrees dorsal starboard
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Microtorpedo Launcher 9
Standard Load: Microtorpedo (50 Damage)
Spread: 1
Range: 1/100/500/2000
Targeting System: Accuracy 3/4/6/9
Power: [1]
Location: Forward ventral
Firing Arc: Forward

Torpedo Module
Standard Load: Type II photon torpedo (200 Damage)
Spread: 1
Range: 1/100/1000/5000
Targeting System: Accuracy 4/5/7/10
Power: [6]
Location: Aft, port (or starboard)
Firing Arc: Port (or starboard), but are self-guided

Torpedoes Carried: 50 microtorpedoes, 4 photon torpedoes per module 1

TA/T/TS: Class Alpha [0 Power/round] 6
Strength: 7
Bonus: +0

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) 14 (x4)
Shield Generator: Class 2 (Protection 300) [30 Power/shield/round]
Shield Grid: Type C (50% increase to 450 Protection)
Subspace Field Distortion Amplifiers: Class Beta (Threshold 100)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System 2

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): None

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The *Danube*-class vessel, the first of the "runabout" designation, is intended to perform scientific surveys, covert tactical operations, and many other missions normally beyond the purview of a warp shuttle. To provide the ship with a high degree of adaptability, it was built with a "modularity" feature. Up to four mission-specific modules can be installed in the vehicle to customize it for specific missions. For example, a Special Duty Module Research Lab could be installed for a botanical survey mission; it would be replaced with a Sensor Station for a military reconnaissance mission, or a Torpedo Module if the ship were going into combat. One, two, or four modules can be installed depending on their size.

In game terms, the modules can be used to temporarily alter or upgrade a runabout. Each one holds 1 SU worth of equipment; with these you can buy various systems for the ship. Swapping out a module requires a space station (or similar facility) and the appropriate heavy equipment. Some examples include:

— *Laboratory Module:* Add one laboratory

— *Passenger Module:* Add one Basic or Expanded quarters

The *Danube* class does not have escape pods or a separation system as those systems are commonly understood. However, its cockpit is able to detach from the main body of the ship to either continue moving (impulse power only) or act as an escape pod of sorts. (This is bought as a form of escape pod.)

While not intended for combat, the *Danube* -class is reasonably well armed. It has six phaser arrays, a microtorpedo launcher, and two tractor beam emitters. If necessary, it can be outfitted with up to four Torpedo Modules. Each typically comes equipped with up to four torpedoes. Because there is no launching tube, these torpedoes are "fire and forget" weapons with a limited range and reduced accuracy compared to torpedoes launched from tubes.

The *Danube*-class ship's warp engine has an unusual horizontal feature and sits atop the ship, along its dorsal spine. While theoretically this makes it more vulnerable to attack, in practice it has proved only slightly more vulnerable than traditional ship-center-based warp engines. The proximity of the warp engines to the shield generators makes it easier to strengthen the shields by running them directly from warp power (reduce the time needed to 1-3 rounds and the Test to Challenging (10); see *Spacedock*, page 132).

Noteworthy vessels/service records/ encounters: *U.S.S. Danube,* NCC-72003, prototype; *U.S.S. Mekong* (NCC-72617), *U.S.S. Orinoco* (NCC-72905), *U.S.S. Rio Grande* (NCC-72452), *U.S.S. Rubicon* (NCC-72936), and *U.S.S. Yangtzee Kiang* (NCC-72453) (original five runabouts in the fleet inventory; *Rio Grande,* and *Yangtzee Kiang* initially assigned to Deep Space 9); *U.S.S. Yangtzee Kiang* destroyed in a crash on a penal colony moon in the Gamma Quadrant in 2369); *U.S.S. Orinoco* (replaced the *Yangtzee Kiang;* destroyed by Cardassian separatist terrorists belonging to a group called The True Way (2372); *U.S.S. Mekong* destroyed in the aftermath of the Cardassian-Romulan attack on the Founders' homeworld (2371); *U.S.S. Ganges,* NCC-72454, replaced the *Mekong,* destroyed by T'Lani munitions cruiser (2370). Also in fleet: *U.S.S. Shenandoah,* NCC-73024; *U.S.S. Volga,* NCC-73196; *U.S.S. Yukon,* NCC-74602.

DEFIANT CLASS

Class and Type: *Defiant*-class Heavy Escort

Commissioning Date: See text

HULL SYSTEMS

Size: 5
- Length: 170.68 meters
- Beam: 134.11 meters
- Height: 30.1 meters
- Decks: 4
- Mass: 355,000 metric tonnes
- SUs Available: 1,900
- SUs Used: 1,787

Hull

Outer	20
Inner	20

Resistance

Outer Hull: 10	12
Inner Hull: 10	12
Ablative Armor: 1400	280

Structural Integrity Field

Main: Class 7 (Protection 100/150)	
[1 Power/10 Protection/round]	35
Backup: Class 7 (Protection 50)	
[1 Power/10 Protection/round]	18
Backup: Class 7 (Protection 50)	
[1 Power/10 Protection/round]	18

Specialized Hull: Landing pads (see text)

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 40/10/192

Crew Quarters

Spartan: 30	2
Basic: None	
Expanded: None	
Luxury: None	
Unusual: None	

Environmental Systems

Basic Life Support [6 Power/round]	20
Reserve Life Support [3 Power/round]	10
Emergency Life Support (30 emergency shelters)	10
Gravity [3 Power/round]	5
Consumables: 1 year's worth	5
Food Replicators [5 Power/round]	5
Industrial Replicators	
Type: Network of small replicators [2 Power/round]	5
Medical Facilities: 2 (+0) [2 Power/round]	10
Recreation Facilities: 1 [2 Power/round]	8
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	15
Fire Suppression System [1 Power/round when active]	5
Cargo Holds: 12,000 cubic meters	1
Locations: 4 bays forward on Deck 3	
Escape Pods	3
Number: 26	
Capacity: 6 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6D98	113
Speed: 6.0/9.2/9.982 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 7 (.75c/.92c) [7/9 Power/round]	35
Acceleration Uprating: Class Beta (75% acceleration) [2 Power/round when active]	4
Location: Aft	
Reaction Control System (.025c) [2 Power/round when in use]	5

POWER SYSTEMS

Warp Engine

Type: Class 7/M (generates 399 Power/round)	85
Location: Aft	
Impulse Engine[s]: 1 Class 7 (generates 56 Power/engine/round)	
Auxiliary Power: 2 reactors (generate 5 Power/reactor/round)	6
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +350 Power transfer/round	60

Standard Usable Power: 455

OPERATIONS SYSTEMS

Bridge: Dorsal amidships	25
Separation System: Detachable warhead (6 torpedoes)	4

Computers

Core 1: Amidships, Decks 2 and 3 [5 Power/round]	10
Core 2: Amidships, Decks 2 and 3 [5 Power/round]	10
Uprating: Class Beta (+2) [2 Power/computer/round]	8
ODN	15

Navigational Deflector [5 Power/round] **20**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Forward, in warhead

Sensor Systems

Long-range Sensors [5 Power/round]	42
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	22
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	20
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Beta (+2)	
Probes: 10 (typical mixture includes Types I, III, V, VIII, and IX	1

Sensors Skill: 4

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 3 [1 Power/round in use]	12

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Navigational Computer
- Main: Class 3 (+2) [2 Power/round] 4
- Backups: 2 2

Inertial Damping Field
- Main 30
  - Strength: 9 [3 Power/round]
  - Number: 3
- Backup 9
  - Strength: 6 [2 Power/round]
  - Number: 3

Attitude Control [1 Power/round] 1

Communications Systems
Type: Class 9 [2 Power/round] 24
- Strength: 9
- Security: -4
- Basic Uprating: Class Beta (+2)

Emergency Communications: Yes [2 Power/round] 1
Holocommunications: Yes 1

Tractor Beams
Emitter: Class Delta [3 Power/Strength used/round] 12
- Accuracy: 4/5/7/10
- Location: Forward ventral

Emitter: Class Delta [3 Power/Strength used/round] 12
- Accuracy: 4/5/7/10
- Location: Aft dorsal

Transporters
Type: Personnel [4 Power/use] 34
- Pads: 3
- Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
- Energizing/Transition Coils: Class I (Strength 9)
- Number and Location: Deck 1 amidships

Type: Emergency [4 Power/use] 27
- Pads: 12
- Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
- Energizing/Transition Coils: Class I (Strength 9)
- Number and Location: Deck 1

Type: Cargo [4 Power/use] 28
- Pads: 400 kg
- Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
- Energizing/Transition Coils: Class I (Strength 9)
- Number and Location: Deck 3 amidships

Cloaking Device: Class 8 [40 Power/class/round] 29

Security Systems
Rating: 4 16
Anti-Intruder System: Yes [1 Power/round] 5
Internal Force Fields [1 Power/3 Strength] 5

Science Systems
Rating 1 (+0) [1 Power/round] 10
Specialized Systems: None
Laboratories: 2 2

TACTICAL SYSTEMS

Port Pulse Phaser Array 47
Type: X Pulse
- Damage: 250 [25 Power]
- Number of Emitters: 200 (up to 5 shots per round)
- Auto-Phaser Interlock: Accuracy 3/4/6/9
- Range: 10/30,000/100,000/300,000
- Location: Port sponson
- Firing Arc: Forward
- Firing Modes: Standard, Wide Beam

Starboard Pulse Phaser Array 47
Type: X Pulse
- Damage: 250 [25 Power]
- Number of Emitters: 200 (up to 5 shots per round)
- Auto-Phaser Interlock: Accuracy 3/4/6/9
- Range: 10/30,000/100,000/300,000
- Location: Starboard sponson
- Firing Arc: Forward
- Firing Modes: Standard, Wide Beam

Dorsal Phaser Array 32
Type: X
- Damage: 200 [20 Power]
- Number of Emitters: 120 (up to 3 shots per round)
- Auto-Phaser Interlock: Accuracy 3/4/6/9
- Range: 10/30,000/100,000/300,000
- Location: Dorsal amidships
- Firing Arc: 360 degrees dorsal
- Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Phaser Array 16
Type: X
- Damage: 200 [20 Power]
- Number of Emitters: 40 (up to 1 shot per round)
- Auto-Phaser Interlock: Accuracy 3/4/6/9
- Range: 10/30,000/100,000/300,000
- Location: Forward
- Firing Arc: 360 degrees forward
- Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Torpedo Launcher 16
Standard Load: Mark I quantum torpedo (400 Damage)
- Spread: 6
- Range: 15/350,000/1,500,000/4,050,000
- Targeting System: Accuracy 3/4/6/9
- Power: [20 + 5 per torpedo fired]
- Location: Forward in warhead
- Firing Arc: Forward, but are self-guided

Forward Dorsal Port Torpedo Launcher 16
Standard Load: Mark I quantum torpedo (400 Damage)
- Spread: 6
- Range: 15/350,000/1,500,000/4,050,000
- Targeting System: Accuracy 3/4/6/9
- Power: [20 + 5 per torpedo fired]
- Location: Dorsal, just forward of the port sponson
- Firing Arc: Forward, but are self-guided

Forward Dorsal Starboard Torpedo Launcher **16**
Standard Load: Mark I quantum torpedo (400 Damage)
Spread: 6
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Dorsal, just forward of the starboard sponson
Firing Arc: Forward, but are self-guided

Aft Port Torpedo Launcher **16**
Standard Load: Mark I quantum torpedo (400 Damage)
Spread: 6
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Aft port
Firing Arc: Aft, but are self-guided

Aft Starboard Torpedo Launcher **16**
Standard Load: Mark I quantum torpedo (400 Damage)
Spread: 6
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Aft starboard
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 200 **20**

TA/T/TS: Class Gamma [2 Power/round] **12**
Strength: 9
Bonus: +2

Weapons Skill: 5

Shields (Forward, Aft, Port, Starboard) **47 (x4)**
Shield Generator: Class 3 (Protection 600)
[60 Power/shield/round]
Shield Grid: Type C (50% increase to 900 Protection)
Subspace Field Distortion Amplifiers: Class Delta (Threshold 200)
Recharging System: Class 2 (40 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System **5**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 6 Size worth of ships **12**
Standard Complement: One Type 10 shuttlecraft, four shuttlepods
Location(s): 3 shuttlebays on Deck 3 (aft port, aft starboard, amidships)

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The Defiant Development Project began in 2366 as a counter to the Borg threat. Although its stated goal was to create a new Heavy Escort, privately Starfleet officials acknowledged that the vessel was, in fact, intended to be the first *warship* ever designed by the Federation.

The original testbed ship experienced numerous intractable problems. In light of reduced concern regarding the Borg, the Defiant Development Project was placed on indefinite hold. Only the rise of the threat of the Dominion caused it to be revived. In 2371, the prototype *Defiant* was provided to Deep Space 9 as a mobile defense platform. The crew of DS9 (including Captain Benjamin Sisko, who participated in its original design efforts) devoted considerable time and energy to overcome its deficiencies, and through hard work and experience managed to overcome most of its flaws. This included strengthening the structural integrity field to keep the overpowered engines from tearing the ship apart at high warp speeds (see below). With the data from their uses of the ship in hand, Starfleet was able to build more *Defiant*-class vessels. They proved to be a potent weapon against the Dominion, and a decisive factor in the Federation's victory in the Dominion War.

The *Defiant* incorporates a wide range of innovative and experimental starship systems. Examples include pulse phaser cannons, quantum torpedoes, ablative hull armor, landing pads allowing for possible recovery of the vessel if it has to be abandoned near a planet or moon, and the like. The plasma conduit is run through the primary phaser couplings, which almost doubles phaser power *and* provides a 30% more efficient warp drive. The *Defiant* can also carry and deploy additional ordnance or explosives, such as self-replicating mines.

The *Defiant* has two computer cores, but they are located together in a dual configuration amidships on Decks 2 and 3. While this makes the computers work more efficiently, it also makes them more vulnerable to attack, in that damage to a single location may affect both cores.

The *Defiant*'s navigational deflector is located in its forward section, which is a detachable warhead. Since use of the warhead is considered a last-ditch measure, depriving the ship of its deflector at that point should not cause problems. In the event the ship survives an encounter in which it has to use its warhead, it cannot safely go to warp speeds until the warhead is replaced.

The original *U.S.S. Defiant* possessed a cloaking device on loan from the Romulan Star Empire. Under the initial terms of the agreement with the Romulans, the cloak was to be used only in the Gamma Quadrant, but in light of the War those terms were altered to allow the cloak to be used on this side of the wormhole. Negotiations with the Romulans have lead to cloaks being installed in some other *Defiant*-

class ships under specified conditions. Because the *Defiant*-class ship has such powerful engines for its size, a cloak is not as effective as it might otherwise be. It also emits chroniton particles which can accumulate on the ship's ablative armor and, possibly, cause temporal accidents. Additional ships of the class may or may not be equipped with cloaking devices (ships without cloaks subtract 29 SUs from their total used).

The power of the *Defiant*'s engines (primarily her Class 7/M warp drive) causes other problems. Although the ship can attain speeds in excess of Warp 9, it will literally shake itself to pieces at that velocity. For every tenth of a point of warp speed over 9, up to 9.6, the ship takes 20 points of structural damage every round, and for every tenth of a point of warp speed at 9.7 and above takes 50 points of structural damage (only the SIF protects against this damage).

The *Defiant* normally has a crew of 40. However, sufficient space exists to triple its bunks, allowing it to carry up to 192 persons.

Although not intended to perform scientific survey missions (most of its sensors are optimized for military uses), the *Defiant*-class's sensors and other equipment are sufficient to perform 82% of of the standard scientific sensor sweeps. The ship typically carries Class I, III, V, VIII, and/or IX probes.

Noteworthy vessels/service records/ encounters: *U.S.S. Defiant,* NX-74205, assigned to Deep Space 9 (2371), destroyed in battle by the Breen in the Chin'toka system (2375); *U.S.S. Sao Paulo,* NCC-75633, replaced *U.S.S. Defiant* and was rechristened with its name (2375); *U.S.S. Valiant,* NCC-74210, destroyed by Jem'Hadar battleship while commanded by Red Squadron of Starfleet Academy following the death of Captain Ramirez (2374); *U.S.S. Gallant*, NCC-74206, destroyed by Cardassian Task Force along the Federation/Cardassian DMZ (2372).

DENEVA CLASS

Class and Type: *Deneva*-class Light Transport

Commissioning Date: 2318

HULL SYSTEMS

Size: 5
Length: 210.54 meters
Beam: 65.0 meters
Height: 45.23 meters
Decks: 10
Mass: 295,000 metric tonnes
SUs Available: 1,700
SUs Used: 1,623

Hull

Outer	20
Inner	20

Resistance

Outer Hull: 4	3
Inner Hull: 4	3

Structural Integrity Field

Main: Class 3 (Protection 60/90)	
[1 Power/10 Protection/round]	23
Backup: Class 3 (Protection 30)	
[1 Power/10 Protection/round]	12
Backup: Class 3 (Protection 30)	
[1 Power/10 Protection/round]	12

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 90/1100/2000
(see also "Transport Modules")

Crew Quarters

Spartan: None	
Basic: 750	75
Expanded: 275	55
Luxury: 100	100
Unusual: 50	50

Environmental Systems

Basic Life Support [10 Power/round]	20
Reserve Life Support [5 Power/round]	10
Emergency Life Support (36 emergency shelters)	10
Gravity [3 Power/round]	5
Consumables: 1 year's worth	5
Food Replicators [5 Power/round]	5
Industrial Replicators	11
Type: Network of small replicators [2 Power/round]	
Type: 2 large units [2 Power/replicator/round]	
Medical Facilities: 4 (+1) [4 Power/round]	20
Recreation Facilities: 8 [16 Power/round]	64
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	15
Fire Suppression System [1 Power/round when active]	5
Cargo Holds: 200,000 cubic meters	6
Locations: 10 locations throughout the ship	
Escape Pods	12
Number: 200	
Capacity: 12 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 5E	75
Speed: 5.0/9.0/9.2 [1 Power/.2 warp speed]	
PIS: Type C (6 hours of Maximum warp)	6

Impulse Engine

Type: Class 4A (.6c/.85c) [6/8 Power/round]	22
Location: Port and starboard on the outside of the module spars	
Reaction Control System (.025c) [2 Power/round when in use]	5

POWER SYSTEMS

Warp Engine

Type: Class 6/K (generates 330 Power/round)	73
Location: Saucer aft	
Impulse Engine[s]: 1 Class 4A (generate 38 Power/engine/round)	
Auxiliary Power: 3 reactors (generate 5 Power/reactor/round)	9
Emergency Power: Type B (generates 30 Power/round)	30
EPS: Standard Power flow, +150 Power transfer/round	40

Standard Usable Power: 368

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	25

Computers

Core 1: Saucer port [5 Power/round]	10
Core 2: Saucer starboard [5 Power/round]	10
ODN	15

Navigational Deflector [5 Power/round] 20
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Saucer ventral

Sensor Systems

Long-range Sensors [5 Power/round]	19
Range Package: Type 2 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.5/3.6-5.0)	
Low Resolution: 12 light-years (1/1.1-3.0/3.1-8.0/8.1-12)	
Strength Package: Class 4 (Strength 4)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	11
Strength Package: Class 4 (Strength 4)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	10
Strength Package: Class 4 (Strength 4)	
Gain Package: Class Alpha (+1)	
Probes: 20	2

Sensors Skill: 3

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 2, Coordination 1	
[1 Power/round in use]	7
Navigational Computer	
Main: Class 1 (+0) [0 Power/round)	0
Backups: 1	0

Inertial Damping Field
Main 30
Strength: 9 [3 Power/round]
Number: 3
Backup 9
Strength: 6 [2 Power/round]
Number: 3
Attitude Control [1 Power/round] 1

Communications Systems
Type: Class 6 [2 Power/round] 12
Strength: 6
Security: -2

Tractor Beams
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Forward dorsal
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Forward ventral
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Aft
Emitter: Class Alpha [3 Power/Strength used/round] 3
Accuracy: 5/6/8/11
Location: Shuttlebay

Transporters
Type: Personnel [5 Power/use] 84
Pads: 6
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class E (Strength 5)
Number and Location: Six throughout saucer
Type: Emergency [4 Power/use] 44
Pads: 12
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class E (Strength 5)
Number and Location: Four throughout saucer
Type: Cargo [5 Power/use] 88
Pads: 600 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class E (Strength 5)
Number and Location: Eight throughout saucer

Cloaking Device: None

Security Systems
Rating: 2 8
Anti-Intruder System: Yes [1 Power/round] 5
Internal Force Fields [1 Power/3 Strength] 5

Science Systems
Rating 1 (+0) [1 Power/round] 10
Specialized Systems: None
Laboratories: 1 2

Transport Modules: 6 modules with 18 SU of space each (see text) 108

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array 17
Type: VI
Damage: 120 [12 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 5/6/8/11
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array 17
Type: VI
Damage: 120 [12 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 5/6/8/11
Range: 10/30,000/100,000/300,000
Location: Saucer ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Phaser Array 17
Type: VI
Damage: 120 [12 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 5/6/8/11
Range: 10/30,000/100,000/300,000
Location: Aft
Firing Arc: 360 degrees aft
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

TA/T/TS: Class Alpha [0 Power/round] 6
Strength: 7
Bonus: +0

Weapons Skill: 2

Shields (Forward, Aft, Port, Starboard) 23 (x4)
Shield Generator: Class 2 (Protection 350)
[35 Power/shield/round]
Shield Grid: Type B (33% increase to 467 Protection)
Subspace Field Distortion Amplifiers: Class Beta (Threshold 100)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System 5

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 30 Size worth of ships 60
Standard Complement: Varies depending upon passenger load and mission profile
Location(s): Forward

Captain's Yacht: Yes 10

DESCRIPTION AND NOTES

Fleet data: The *Deneva*-class Light Transport is one of Starfleet's standard vessels for transporting personnel and materiel. When a large diplomatic party needs to visit a world to negotiate Federation admission or oversee a first contact situation, when relief supplies need to be taken to famine- or plague-stricken colonies,

or when equipment and parts for a new starbase need to be taken to the construction site, *Deneva*-class ships are the ones to do the job.

To maximize its efficiency, the *Deneva*-class does not have just a single configuration. Rather, the central part of its body is an open "frame" into which up to six Transport Modules can be placed. The modules hold up to 18 SU worth of supplies or facilities. Modules can be prepared for any mission, but some of the common types include:

—*Cargo:* +200,000 cubic meters of storage space and shuttlebay for 6 SU worth of craft; or +600,000 cubic meters of storage space

—*Entertainment:* +2 to Recreation rating, +2 SU worth of quarters

—*Medical:* +3 to Medical rating, +3 SU worth of quarters

—*Personnel*: +18 SU worth of quarters

—*Science:* Increase Science rating to 3, +200,000 cubic meters of storage space and shuttlebay for 2 SU worth of craft, +3 SU worth of quarters

—*Security:* Increase Security to 4, +2 auxiliary generators dedicated to maintaining brigs and other security functions

Noteworthy vessels/service records/ encounters: *U.S.S. Deneva,* prototype; *U.S.S. Arcos,* NCC-6237, destroyed by warp core breach at Turkana IV (2367); *U.S.S. LaSalle,* NCC-6203, reported radiation anomalies in the Gamma Arigulon system (2367). Also in service: *U.S.S. Eridani, U.S.S. Indi*.

EXCELSIOR CLASS

Class and Type: *Excelsior*-class Exploratory Cruiser
Commissioning Date: 2284/2293 (see text)

HULL SYSTEMS

Size: 7
Length: 511.25 meters
Beam: 195.64 meters
Height: 86.76 meters
Decks: 19
Mass: 2,350,000 metric tonnes
SUs Available: 2,275
SUs Used: 2,211

Hull
Outer 28
Inner 28

Resistance
Outer Hull: 8 9
Inner Hull: 8 9

Structural Integrity Field
Main: Class 6 (Protection 90/130)
[1 Power/10 Protection/round] 34
Backup: Class 6 (Protection 50)
[1 Power/10 Protection/round] 17
Backup: Class 6 (Protection 50)
[1 Power/10 Protection/round] 17

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 750/130/9,800

Crew Quarters
Spartan: None
Basic: 700 70
Expanded: 150 30
Luxury: 40 40
Unusual: 18 18

Environmental Systems
Basic Life Support [12 Power/round] 28
Reserve Life Support [6 Power/round] 14
Emergency Life Support (42 emergency shelters) 14
Gravity [4 Power/round] 7
Consumables: 3 years' worth 21
Food Replicators [7 Power/round] 7
Industrial Replicators 16
Type: Network of small replicators [2 Power/round]
Type: 3 large units [2 Power/replicator/round]
Medical Facilities: 7 (+2) [7 Power/round] 35
Recreation Facilities: 6 [12 Power/round] 48
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round] 21
Fire Suppression System [1 Power/round when active] 7
Cargo Holds: 200,000 cubic meters 6
Locations: Aft, Engineering hull, saucer
Escape Pods 8
Number: 160
Capacity: 4 persons per pod

PROPULSION SYSTEMS

Warp Drive
Nacelles: Type 5E 75
Speed: 5.0/9.0/9.2 [1 Power/.2 warp speed]
PIS: Type C (6 hours of Maximum warp) 6

Impulse Engine
Type: Class 6 (.75c/.9c) [7/9 Power/round] 30
Location: Saucer, port and starboard
Reaction Control System (.025c) [2 Power/round when in use] 7

POWER SYSTEMS

Warp Engine
Type: Class 9/0 (generates 495 Power/round) 105
Location: Engineering hull
Impulse Engine[s]: 1 Class 6 (generate 48 Power/engine/round)
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round) 12
Emergency Power: Type F (generates 50 Power/round) 50
EPS: Standard Power flow, +300 Power transfer/round 65

Standard Usable Power: 543

OPERATIONS SYSTEMS

Bridge: Saucer dorsal 35
Separation System: Saucer separation, no reattachment
[10 Power] 6

Computers
Core 1: Saucer port [5 Power/round] 14
Core 2: Saucer starboard [5 Power/round] 14
Core 3: Engineering [5 Power/round] 14
Uprating: Class Alpha (+1) [1 Power/computer/round] 6
ODN 21

Navigational Deflector [5 Power/round] **28**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Forward engineering

Sensor Systems
Long-range Sensors [5 Power/round] 41
Range Package: Type 5 (Accuracy 3/4/7/10)
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)
Strength Package: Class 9 (Strength 9)
Gain Package: Class Alpha (+1)
Coverage: Standard
Lateral Sensors [5 Power/round] 21
Strength Package: Class 9 (Strength 9)
Gain Package: Class Alpha (+1)
Coverage: Standard
Navigational Sensors: [5 Power/round] 20
Strength Package: Class 9 (Strength 9)
Gain Package: Class Alpha (+1)
Probes: 100 10

Sensors Skill: 4

Flight Control Systems
Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2
[1 Power/round in use] 11

Navigational Computer
- Main: Class 3 (+2) [2 Power/round] 4
- Backups: 1 1

Inertial Damping Field
- Main 56
  - Strength: 9 [3 Power/round]
  - Number: 4
- Backup 16
  - Strength: 6 [2 Power/round]
  - Number: 4

Attitude Control [2 Power/round] 2

Communications Systems
- Type: Class 8 [2 Power/round] 24
  - Strength: 8
  - Security: -4 (Class Gamma uprating)
  - Basic Uprating: Class Beta (+2)
- Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] 12
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Delta [3 Power/Strength used/round] 12
  - Accuracy: 4/5/7/10
  - Location: Forward ventral
- Emitter: Class Alpha [3 Power/Strength used/round] 3
  - Accuracy: 5/6/8/11
  - Location: Shuttlebay

Transporters
- Type: Personnel [5 Power/use] 68
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Two in saucer, two in Engineering hull
- Type: Emergency [7 Power/use] 68
  - Pads: 22
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Two in saucer, two in Engineering hull
- Type: Cargo [4 Power/use] 39
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: One in saucer, two in Engineering hull

Cloaking Device: None

Security Systems
- Rating: 4 16
- Anti-Intruder System: Yes [1 Power/round] 7
- Internal Force Fields [1 Power/3 Strength] 7

Science Systems
- Rating 2 (+1) [2 Power/round] 17
- Specialized Systems: 2 10
- Laboratories: 25 6

TACTICAL SYSTEMS

Saucer Ventral Phaser Arrays (5) **70**
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 40 (up to 1 shot per round per array)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Five arrays spaced equidistantly around forward three-quarters of saucer, ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Phaser Arrays (5) **70**
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 40 (up to 1 shot per round per array)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Five arrays spaced equidistantly around forward three-quarters of saucer, dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Aft Dorsal Phaser Array **21**
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal aft, between impulse engines
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Aft Starboard Phaser Array **21**
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer aft, on starboard extension next to impulse engine
  - Firing Arc: 360 degrees starboard
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Aft Port Phaser Array **21**
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer aft, on port extension next to impulse engine
  - Firing Arc: 360 degrees port
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Phaser Array **29**
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Dorsal Phaser Array 29
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering dorsal, between warp pylons
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Ventral Port Torpedo Launcher 15
Standard Load: Type II photon torpedo (200 Damage)
Spread: 5
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral port
Firing Arc: Forward, but are self-guided

Forward Ventral Starboard Torpedo Launcher 15
Standard Load: Type II photon torpedo (200 Damage)
Spread: 5
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral starboard
Firing Arc: Forward, but are self-guided

Aft Ventral Port Torpedo Launcher 15
Standard Load: Type II photon torpedo (200 Damage)
Spread: 5
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft ventral port
Firing Arc: Aft, but are self-guided

Aft Ventral Starboard Torpedo Launcher 15
Standard Load: Type II photon torpedo (200 Damage)
Spread: 5
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft ventral starboard
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 120 12

TA/T/TS: Class Beta [2 Power/round] 9
Strength: 8
Bonus: +1

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) 78 (x4)
Shield Generator: Class 5 (Protection 850)
[85 Power/shield/round]
Shield Grid: Type C (50% increase to 1275 Protection)
Subspace Field Distortion Amplifiers: Class Zeta (Threshold 275)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System 7

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 25 Size worth of ships 50
Standard Complement: 10 shuttlecraft, 5 shuttlepods
Location(s): Saucer aft, Engineering ventral

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The *Excelsior*-class Exploratory Cruiser is one of Starfleet's longest-lived, most successful designs. It was originally launched in 2284 as a testbed for Starfleet's unsuccessful transwarp drive development project. Although that project failed, the design of the *Excelsior*-class itself was not to blame, and once outfitted with a standard warp drive it proved to be a versatile, powerful ship.

The original *Excelsior* design was improved a few years later in 2293, with the launch of the *U.S.S. Enterprise-B,* NCC-1701-B. It incorporated a lengthened Engineering section, improved warp nacelles, uprated sensor packages, and modifications to the bridge section, impulse engines, and saucer shuttlebay. The refitted *Excelsior* was faster and stronger than the original, though also more expensive and difficult to produce.

The *Excelsior*'s design includes the traditional saucer and Engineering hull-pylons-nacelles configuration descended from the *Constitution* class; the two parts are attached by a "connecting interhull" section.

The Starship Template above represents the refitted *Excelsior*-class as of 2375. It includes upgrades to many systems, including its weapons. Earlier versions of the *Excelsior* are slightly smaller and have fewer phaser arrays; additionally, its warp drive, shields, navigational computer, and sensors are weaker or less effective.

Noteworthy vessels/service records/ encounters: *U.S.S. Excelsior,* prototype, later commanded by Captain Hikaru Sulu; *U.S.S. Enterprise-B,* NCC-1701-B, almost destroyed while rescuing two transports in an encounter which costs the life of Admiral James T. Kirk (2293); *U.S.S. Lakota,* NCC-42768, under Captain Erika Benteen participated in Admiral Leyton's attempted takeover of the Federation (2372).

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FREEDOM CLASS

Class and Type: *Freedom*-class Frigate

Commissioning Date: 2361

HULL SYSTEMS

Size: 7
- Length: 430.62 meters
- Beam: 210.11 meters
- Height: 105.78 meters
- Decks: 23
- Mass: 2,010,500 metric tonnes
- SUs Available: 2,050
- SUs Used: 1,996

Hull

Outer	28
Inner	28

Resistance

Outer Hull: 6	6
Inner Hull: 6	6

Structural Integrity Field

Main: Class 7 (Protection 100/150)	
[1 Power/10 Protection/round]	37
Backup: Class 7 (Protection 50)	
[1 Power/10 Protection/round]	19
Backup: Class 7 (Protection 50)	
[1 Power/10 Protection/round]	19

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 540/200/7,600

Crew Quarters

Spartan: None	
Basic: 450	45
Expanded: 100	20
Luxury: 35	35
Unusual: 12	12

Environmental Systems

Basic Life Support [12 Power/round]	28
Reserve Life Support [6 Power/round]	14
Emergency Life Support (42 emergency shelters)	14
Gravity [4 Power/round]	7
Consumables: 2 years' worth	14
Food Replicators [7 Power/round]	7
Industrial Replicators	13
Type: Network of small replicators [2 Power/round]	
Type: 2 large units [2 Power/replicator/round]	
Medical Facilities: 8 (+2) [8 Power/round]	40
EMH: Mark I [2 Power/round when active]	5
Recreation Facilities: 7 [14 Power/round]	56
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	21
Fire Suppression System [1 Power/round when active]	7
Cargo Holds: 400,000 cubic meters	12
Locations: Saucer port, saucer starboard	
Escape Pods	9
Number: 160	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6C	100
Speed: 6.0/9.0/9.2 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 5 (.7c/.9c) [7/9 Power/round]	25
Acceleration Uprating: Class Alpha (66% acceleration)	
[1 Power/round when active]	2
Location: Saucer aft	
Reaction Control System (.025c) [2 Power/round when in use]	7

POWER SYSTEMS

Warp Engine

Type: Class 8/N (generates 425 Power/round)	93
Location: Saucer	
Impulse Engine[s]: 1 Class 5 (generate 40 Power/engine/round)	
Auxiliary Power: 3 reactors (generate 5 Power/reactor/round)	9
Emergency Power: Type E (generates 45 Power/round)	45
EPS: Standard Power flow, +300 Power transfer/round	65

Standard Usable Power: 465

OPERATIONS SYSTEMS

Bridge: Saucer dorsal **35**

Computers

Core 1: Saucer port [5 Power/round]	14
Core 2: Saucer starboard [5 Power/round]	14
Uprating: Class Alpha (+1) [1 Power/computer/round]	4
ODN	21

Navigational Deflector [5 Power/round] **28**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Saucer ventral

Sensor Systems

Long-range Sensors [5 Power/round]	52
Range Package: Type 7 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)	
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)	
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	24
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	22
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Probes: 80	8

Sensors Skill: 4

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2	
[1 Power/round in use]	11

Navigational Computer
- Main: Class 3 (+2) [2 Power/round] 4
- Backups: 2 2

Inertial Damping Field
- Main 56
  - Strength: 9 [3 Power/round]
  - Number: 4
- Backup 16
  - Strength: 6 [2 Power/round]
  - Number: 4

Attitude Control [2 Power/round] 2

Communications Systems
- Type: Class 9 [2 Power/round] 24
  - Strength: 9
  - Security: -4
  - Basic Uprating: Class Beta (+2)
- Emergency Communications: Yes [2 Power/round] 1
- Holocommunications: Yes 1

Tractor Beams
- Emitter: Class Gamma [3 Power/Strength used/round] 9
  - Accuracy: 4/5/7/10
  - Location: Forward
- Emitter: Class Gamma [3 Power/Strength used/round] 9
  - Accuracy: 4/5/7/10
  - Location: Forward ventral
- Emitter: Class Alpha [3 Power/Strength used/round] 3
  - Accuracy: 4/5/7/10
  - Location: Shuttlebay

Transporters
- Type: Personnel [5 Power/use] 54
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: Three in saucer
- Type: Emergency [6 Power/use] 51
  - Pads: 20
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: Three in saucer
- Type: Cargo [4 Power/use] 26
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: Two in saucer

Cloaking Device: None

Security Systems
- Rating: 3 12
- Anti-Intruder System: Yes [1 Power/round] 7
- Internal Force Fields [1 Power/3 Strength] 7

Science Systems
- Rating 2 (+1) [2 Power/round] 17
- Specialized Systems: 2 10
- Laboratories: 17 4

TACTICAL SYSTEMS

Forward Dorsal Phaser Array 24
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Forward dorsal
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Ventral Phaser Array 24
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Forward ventral
  - Firing Arc: 405 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Dorsal Port Phaser Array 16
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Aft dorsal port
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Dorsal Starboard Phaser Array 16
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Aft dorsal starboard
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Ventral Port Phaser Array 16
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Aft ventral port
  - Firing Arc: 405 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Ventral Starboard Phaser Array 16
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Aft ventral starboard
  - Firing Arc: 405 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Port Torpedo Launcher **16**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral
Firing Arc: Forward, but are self-guided

Forward Starboard Torpedo Launcher **16**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral
Firing Arc: Forward, but are self-guided

Aft Port Torpedo Launcher **16**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft saucer, dorsal port
Firing Arc: Aft, but are self-guided

Aft Starboard Torpedo Launcher **16**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft saucer, dorsal starboard
Firing Arc: Aft but are self-guided

Torpedoes Carried: 100 **10**

TA/T/TS: Class Beta [1 Power/round] **9**
Strength: 8
Bonus: +1

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **61 (x4)**
Shield Generator: Class 3 (Protection 600)
[60 Power/shield/round]
Shield Grid: Type C (50% increase to 900 Protection)
Subspace Field Distortion Amplifiers: Class Delta (Threshold 200)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **7**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 60 Size worth of ships **120**
Standard Complement: 25 shuttlecraft, 10 shuttlepods
Location(s): Saucer aft

Captain's Yacht: Yes **10**

DESCRIPTION AND NOTES

Fleet data: Created during the *Galaxy*-Class Starship Development Project using some of that Project's advances, the *Freedom*-class Frigate consists of a *Galaxy*-class-like saucer linked to a single ventral warp nacelle by an connecting interhull modeled after the old *Constitution*-class Explorer. The result is a ship which, while certainly possessing an odd profile, makes an effective patrol and support vessel.

Because of its extensive cargo capacity, shuttlecraft complement, and advanced medical systems (including an EMH, added to the class in 2374), the *Freedom*-class is often used for colony support missions, disaster relief, and missions to systems ravaged by warfare. Although not heavily armed, its six small phaser arrays and twin forward photon torpedo launchers allow it to defend itself against aggressors.

Noteworthy vessels/service records/ encounters: *U.S.S. Freedom,* prototype; *U.S.S. Firebrand,* NCC-68723, destroyed by the Borg at Wolf 359 (2367). Also in service: *U.S.S. Concorde,* NCC-68711.

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GALAXY CLASS

Class and Type: *Galaxy*-class Explorer
Commissioning Date: 2356

HULL SYSTEMS

Size: 8
Length: 642.51 meters
Beam: 463.73 meters
Height: 195.26 meters
Decks: 42
Mass: 4,500,000 metric tonnes
SUs Available: 3,130
SUs Used: 3,026

Hull

Outer	32
Inner	32

Resistance

Outer Hull: 8	9
Inner Hull: 8	9

Structural Integrity Field

Main: Class 5 (Protection 80/120)	
[1 Power/10 Protection/round]	32
Backup1: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	16
Backup 2: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	16

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 1,012/200/15,000

Crew Quarters

Spartan: None	
Basic: 950	95
Expanded: 385	77
Luxury: 110	110
Unusual: 55	55

Environmental Systems

Basic Life Support [13 Power/round]	32
Reserve Life Support [7 Power/round]	16
Emergency Life Support (48 emergency shelters)	16
Gravity [4 Power/round]	8
Consumables: 3 years' worth	24
Food Replicators [8 Power/round]	8
Industrial Replicators	17
Type: Network of small replicators [2 Power/round]	
Type: 3 large units [2 Power/replicator/round]	
Medical Facilities: 10 (+2) [10 Power/round]	50
Recreation Facilities: 8 [16 Power/round]	64
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	24
Fire Suppression System [1 Power/round when active]	8
Cargo Holds: 333,000 cubic meters	10
Locations: 18 main cargo holds and other minor holds throughout the ship	
Escape Pods	10
Number: 180	
Capacity: 6 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6D9	108
Speed: 6.0/9.2/9.90 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 7 (.75c/.92c) [7/9 Power/round]	35
Location: Engineering section	

Impulse Engine

Type: Class 7 (.75c/.92c) [7/9 Power/round]	35
Location: Saucer section	
Reaction Control System (.025c) [2 Power/round when in use]	8

POWER SYSTEMS

Warp Engine

Type: Class 12/R (generates 630 Power/round)	133
Location: Engineering section	
Impulse Engine[s]: 2 Class 7 (generate 56 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type F (generates 50 Power/round)	50
EPS: Standard Power flow, +330 Power transfer/round	73

Standard Usable Power: 742

OPERATIONS SYSTEMS

Bridge: Saucer section dorsal	40
Auxiliary Control Room: Engineering section	24
Separation System: Saucer separation [10 Power]	10

Computers

Core 1: Saucer section, port [5 Power/round]	16
Core 2: Saucer section, starboard [5 Power/round]	16
Core 3: Engineering section [5 Power/round]	16
Uprating: Class Beta (+2) [2 Power/computer/round]	12
ODN	24

Navigational Deflector [5 Power/round] **32**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Forward ventral

Sensor Systems

Long-range Sensors [5 Power/round]	54
Range Package: Type 7 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)	
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)	
Strength Package: Class 10 (Strength 10)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	26
Strength Package: Class 10 (Strength 10)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	24
Strength Package: Class 10 (Strength 10)	
Gain Package: Class Beta (+2)	
Probes: 60 probes of varying types	6

Sensors Skill: 5

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 4, Coordination 2 [1 Power/round in use] — 14
- Navigational Computer
  - Main: Class 3 (+2) [2 Power/round] — 4
  - Backups: 2 — 2
- Inertial Damping Field
  - Main — 96
    - Strength: 9 [3 Power/round]
    - Number: 6
  - Backup — 24
    - Strength: 6 [2 Power/round]
    - Number: 6
- Attitude Control (2 Power/round) — 2

Communications Systems
- Type: Class 9 [2 Power/round] — 26
  - Strength: 9
  - Security: -5 (Class Gamma uprating)
  - Basic Uprating: Class Beta (+2)
- Emergency Communications: Yes [2 Power/round] — 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Forward ventral (above main deflector)
- Emitter: Class Alpha [3 Power/Strength used/round] — 9
  - Accuracy: 5/6/8/11
  - Location: Shuttlebays 1, 2, and 3

Transporters
- Type: Personnel [5 Power/use] — 102
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Four in saucer section, two in Engineering section
- Type: Emergency [7 Power/use] — 102
  - Pads: 22
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Four in saucer section, two in Engineering section
- Type: Cargo [4 Power/use] — 88
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class F (Strength 6)
  - Number and Location: Four on Deck 4, four on Decks 38/39

Cloaking Device: None

Security Systems
- Rating: 4 — 16
- Anti-Intruder System: Yes [1 Power/round] — 8
- Internal Force Fields [1 Power/3 Strength] — 8

Science Systems
- Rating 3 (+2) [3 Power/round] — 23
- Specialized Systems: 3 — 15
- Laboratories: 32 — 8

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array — 48
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 200 (up to 5 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array — 48
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 200 (up to 5 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral
  - Firing Arc: 405 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Battle Section Upper Phaser Array (Port) — 17
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 50 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering section dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Battle Section Upper Phaser Array (Starboard) — 17
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 50 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering section dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Battle Section Forward Dorsal Phaser Array — 24
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering section forward (concealed when ship not separated)
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Battle Section Ventral Phaser Array — 23
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering section ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Battle Section Aft Dorsal Phaser Array (Port) **17**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 50 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering section dorsal
Firing Arc: 360 degrees aft dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Battle Section Aft Dorsal Phaser Array (Starboard) **17**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 50 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering section aft dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Battle Section Aft Ventral Phaser Array (Port) **17**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 50 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering section aft ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Battle Section Aft Ventral Phaser Array (Starboard) **17**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 50 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering section aft ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Nacelle Ventral Phaser Array (Port) **19**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 60 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Nacelle pylon aft ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Nacelle Ventral Phaser Array (Starboard) **19**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 60 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Nacelle pylon aft ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Torpedo Launcher **17**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Engineering section aft
Firing Arc: Aft, but are self-guided

Forward Ventral Torpedo Launcher **17**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Engineering section forward
Firing Arc: Forward, but are self-guided

Saucer Aft Torpedo Launcher **17**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer section aft (concealed when ship not separated)
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 275 **28**

TA/T/TS: Class Gamma [2 Power/round] **12**
Strength: 9
Bonus: +2

Weapons Skill: 5

Shields (Forward, Aft, Port, Starboard) **100 (x4)**
Shield Generator: Class 6 (Protection 1200)
[120 Power/shield/round]
Shield Grid: Type C (50% increase to 1800 Protection)
Subspace Field Distortion Amplifiers: Class Theta (Threshold 400)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **8**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 62 Size worth of ships **124**
Standard Complement: 25 shuttles, 12 shuttlepods
Location(s): Main shuttlebay (saucer section), two smaller bays (engineering section, forward dorsal, port and starboard)

Captain's Yacht: Yes **10**

DESCRIPTION AND NOTES

Fleet Data: The *Galaxy* class of starships is one of the most powerful and innovative in Federation history. Design on the class began in 2343, and the first vessel, the *U.S.S. Galaxy,* was launched in 2356. It incorporates many important technological advances which allow it to perform a wide variety of missions, but its primary missions are long term exploration, scientific investigation and defense of the Federation.

Built for a lengthy service life, the *Galaxy*-class contains numerous systems which can be replaced *in toto* at a spacedock facility. With a crew exceeding 1,000, it's a virtual city in space, and carries many civilians in the form of crewmembers' families. Its saucer section can separate from its Engineering hull to take the civilians away from dangerous situations if necessary.

(Note: This template represents the uprated version of the *Galaxy*-class vessel in use as of 2375. Earlier versions were more or less identical, but had slightly less powerful warp drives and fewer upgraded systems. For the standard version, reduce its warp nacelles to Type 6D, and substitute the lower range figures for its photon torpedoes.)

Noteworthy vessels/service records/ encounters: *U.S.S. Galaxy*, prototype; *U.S.S. Enterprise-D*, see extensive documentation, destroyed in combat with the Duras sisters (2371); *U.S.S. Yamato*, NCC-71807, destroyed by computer failure after contact with Iconian software weapon (2365); *U.S.S. Odyssey,* NCC-71832,destroyed in confrontation with the Jem'Hadar in the Gamma Quadrant (2370); *U.S.S. Venture,* NCC-71854, led relief force to Deep Space 9 in response to Klingon invasion of Cardassian Union (2372); *U.S.S. Vel'dna,* NCC-72406, led one of the Galaxy wings participating in Operation Return (2374); *U.S.S. Kludy,* NCC-71095, destroyed five Dominion ships during the Third Battle of Vulcanis (2375); *U.S.S. Courageous,* NCC-72579, participated in attacks on Chin'toka system (2375), *U.S.S. Indomitable,* NCC-73462, established Federation presence at Bridgetown space station and began exploration of Kellinan Reach (2376).

HOKULE'A CLASS

Class and Type: *Hokule'a*-class Scout

Commissioning Date: 2314

HULL SYSTEMS

Size: 4
- Length: 136.54 meters
- Beam: 36.0 meters
- Height: 27.62 meters
- Decks: 6
- Mass: 168,500 metric tonnes
- SUs Available: 1,200
- SUs Used: 1,136

Hull
- Outer 16
- Inner 16

Resistance
- Outer Hull: 4 3
- Inner Hull: 4 3

Structural Integrity Field
- Main: Class 3 (Protection 60/90)
  - [1 Power/10 Protection/round] 22
- Backup: Class 3 (Protection 30)
  - [1 Power/10 Protection/round] 11
- Backup: Class 3 (Protection 30)
  - [1 Power/10 Protection/round] 11

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 60/25/350

Crew Quarters
- Spartan: None
- Basic: 50 5
- Expanded: 10 2
- Luxury: 5 5
- Unusual: 3 3

Environmental Systems
- Basic Life Support [7 Power/round] 16
- Reserve Life Support [4 Power/round] 8
- Emergency Life Support (24 emergency shelters) 8
- Gravity [2 Power/round] 4
- Consumables: 1 year's worth 4
- Food Replicators [4 Power/round] 4
- Industrial Replicators 4
  - Type: Network of small replicators [2 Power/round]
- Medical Facilities: 4 (+1) [4 Power/round] 20
- Recreation Facilities: 4 [8 Power/round] 32
- Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round] 12
- Fire Suppression System [1 Power/round when active] 4
- Cargo Holds: 10,000 cubic meters 1
  - Locations: Engineering aft, 3 smaller holds throughout saucer
- Escape Pods 5
  - Number: 100
  - Capacity: 4 persons per pod

PROPULSION SYSTEMS

Warp Drive
- Nacelles: Type 5E3 76
  - Speed: 5.0/9.0/9.3 [1 Power/.2 warp speed]
  - PIS: Type H (12 hours of Maximum warp) 16

Impulse Engine
- Type: Class 7 (.75c/.92c) [7/9 Power/round] 35
  - Acceleration Uprating: Class Alpha (66% acceleration)
    - [1 Power/round when active] 2
  - Location: Saucer aft, port and starboard
- Reaction Control System (.025c) [2 Power/round when in use] 4

POWER SYSTEMS

Warp Engine
- Type: Class 5/H (generates 299 Power/round) 65
  - Location: Engineering hull
- Impulse Engine[s]: 1 Class 7 (generate 56 Power/engine/round)
- Auxiliary Power: 3 reactors (generate 5 Power/reactor/round) 9
- Emergency Power: Type C (generates 35 Power/round) 35
- EPS: Standard Power flow, +160 Power transfer/round 36

Standard Usable Power: 355

OPERATIONS SYSTEMS

- Bridge: Saucer dorsal 20

Computers
- Core 1: Saucer port [5 Power/round] 8
- Core 2: Saucer starboard [5 Power/round] 8
- ODN 12

Navigational Deflector [5 Power/round] 16
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
  - Location: Forward end of Engineering, ventral of saucer

Sensor Systems
- Long-range Sensors [5 Power/round] 52
  - Range Package: Type 7 (Accuracy 3/4/7/10)
  - High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)
  - Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)
  - Strength Package: Class 9 (Strength 9)
  - Gain Package: Class Beta (+2)
  - Coverage: Standard
- Lateral Sensors [5 Power/round] 24
  - Strength Package: Class 9 (Strength 9)
  - Gain Package: Class Beta (+2)
  - Coverage: Standard
- Navigational Sensors: [5 Power/round] 22
  - Strength Package: Class 9 (Strength 9)
  - Gain Package: Class Beta (+2)
- Probes: 80 8

Sensors Skill: 4

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 3
  - [1 Power/round in use] 12

Navigational Computer
Main: Class 3 (+2) [2 Power/round] 4
Backups: 1 1
Inertial Damping Field
Main 16
Strength: 9 [3 Power/round]
Number: 2
Backup 6
Strength: 6 [2 Power/round]
Number: 3
Attitude Control [1 Power/round] 1

Communications Systems
Type: Class 9 [2 Power/round] 21
Strength: 9
Security: -4
Basic Uprating: Class Alpha (+1)
Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Beta [3 Power/Strength used/round] 6
Accuracy: 5/6/8/11
Location: Forward
Emitter: Class Beta [3 Power/Strength used/round] 6
Accuracy: 5/6/8/11
Location: Aft

Transporters
Type: Personnel [5 Power/use] 34
Pads: 6
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: One in saucer, one in Engineering
Type: Emergency [4 Power/use] 28
Pads: 12
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: One in saucer, one in Engineering
Type: Cargo [4 Power/use] 24
Pads: 200 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: One in saucer, one in Engineering

Cloaking Device: None

Security Systems
Rating: 3 12
Anti-Intruder System: Yes [1 Power/round] 4
Internal Force Fields [1 Power/3 Strength] 4

Science Systems
Rating 2 (+1) [2 Power/round] 14
Specialized Systems: None
Laboratories: 5 2

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array **33**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 160 (up to 4 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array **33**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 160 (up to 4 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Port Pylon Phaser Array **21**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Port pylon
Firing Arc: 405 degrees port
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Starboard Pylon Phaser Array **21**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Starboard pylon
Firing Arc: 405 degrees starboard
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Port Torpedo Launcher **14**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral
Firing Arc: Forward, but are self-guided

Forward Starboard Torpedo Launcher **14**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher **14**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft Engineering
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 50 **5**

TA/T/TS: Class Alpha [0 Power/round] **6**
Strength: 7
Bonus: +0

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) **24 (x4)**
Shield Generator: Class 2 (Protection 400)
[40 Power/shield/round]
Shield Grid: Type B (33% increase to 533 Protection)
Subspace Field Distortion Amplifiers: Class Beta (Threshold 100)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System **4**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 4 Size worth of ships

8

Standard Complement: 2 shuttlecraft
Location(s): Aft saucer

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: Created sixty years ago, during a period when the expansion of Federation territory continued at a steady pace, the *Hokule'a*-class Scout has served admirably in peace and in war as a vessel of exploration and reconnaissance. For most of the lifespan of the class it has performed exploration missions in which it enters new systems and sectors to perform preliminary surveys prior to the arrival of laboratory/research vessels and surveyors.

The *Hokule'a*'s class designation comes from its supposed resemblance to an old Earth vessel called a catamaran. It consists of a central Engineering hull which runs underneath a dorsal saucer for about a third of its length, and half the length of the saucer; the two are linked by a short, wide connecting interhull which melds with both saucer and Engineering hull in a curvilinear fashion reminiscent of the much younger *Galaxy*- or *Intrepid*-class ships. From the port and starboard sides of the Engineering hull, broad, thick pylons curve gently downward to hold the warp nacelles. Along the apex of the curve is a phaser array which thus has an arc of fire greater than 360 degrees.

During the Dominion War, *Hokule'a*-class ships performed many behind-the-lines scouting missions, seeking military intelligence on Dominion movement and activities. Their speed and size made them well-suited for such missions. Some received warp drive, shield, sensor, and/or weapon upgrades to improve their chances for survival.

Noteworthy vessels/service records/ encounters: *U.S.S. Hokule'a,* prototype; *U.S.S. Tripoli,* NCC-19386, discovered the android Data at the Omicron Theta colony (2338); *U.S.S. Sakai,* NCC-19794, explored the Va'tari System and initiated first contact with the Va'Ca'Rasa species (2347).

INTREPID CLASS

Class and Type: *Intrepid*-class Light Explorer
Commissioning Date: 2370

HULL SYSTEMS

Size: 6
Length: 344.42 meters
Beam: 133.42 meters
Height: 66.35 meters
Decks: 15
Mass: 700,000 metric tonnes
SUs Available: 2,250
SUs Used: 2,099

Hull
Outer 24
Inner 24

Resistance
Outer Hull: 8 9
Inner Hull: 8 9

Structural Integrity Field
Main: Class 6 (Protection 90/130)
[1 Power/10 Protection/round] 33
Backup: Class 6 (Protection 45)
[1 Power/10 Protection/round] 17
Backup: Class 6 (Protection 45)
[1 Power/10 Protection/round] 17

Specialized Hull: Atmospheric Capability; Planetfall Capability 12

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 150/65/3,550

Crew Quarters
Spartan: None
Basic: 250 25
Expanded: 30 6
Luxury: 5 5
Unusual: 2 2

Environmental Systems
Basic Life Support [10 Power/round] 24
Reserve Life Support [5 Power/round] 12
Emergency Life Support (36 emergency shelters) 12
Gravity [3 Power/round] 6
Consumables: 3 years' worth 18
Food Replicators [6 Power/round] 6
Industrial Replicators 9
Type: Network of small replicators [2 Power/round]
Type: 1 large unit [2 Power/replicator/round]
Medical Facilities: 8 (+2) [8 Power/round] 40
EMH: Mark I [2 Power/round when active] 5
Recreation Facilities: 5 [10 Power/round] 40
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round] 18
Fire Suppression System [1 Power/round when active] 6
Cargo Holds: 66,000 cubic meters 2
Locations: Lower Cargo Bays 1-2 (accessed by doors on ventral side of saucer), Upper Cargo Bays 1-2, several smaller bays in Engineering hull
Escape Pods 8
Number: 140
Capacity: 8 persons per pod

PROPULSION SYSTEMS

Warp Drive
Nacelles: Type 6D97 112
Speed: 6.0/9.6/9.975 [1 Power/.2 warp speed]
PIS: Type H (12 hours of Maximum warp) 16
Special Configuration: Variable-Geometry (-2 Power for Sustainable/Maximum) 5

Impulse Engine
Type: Class 7 (.75c/.92c) [7/9 Power/round] 35
Location: Aft edge of warp nacelle pylons
Reaction Control System (.025c) [2 Power/round when in use] 6
Auxiliary Thrusters [2 Power/round when in use] 3

POWER SYSTEMS

Warp Engine
Type: Class 10/P (generates 500 Power/round) 110
Location: Engineering hull, decks 8-13
Impulse Engine[s]: 1 Class 7 (generate 56 Power/engine/round)
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round) 12
Emergency Power: Type D (generates 40 Power/round) 40
EPS: Standard Power flow, +300 Power transfer/round 60

Standard Usable Power: 556

OPERATIONS SYSTEMS

Bridge: Saucer dorsal 30
Detachable Bridge 3

Computers (Bio-neural)
Core 1: Saucer, decks 6-7 [7 Power/round] 18
Core 2: Engineering hull, decks 10-11 [7 Power/round] 18
Uprating: Class Beta (+2) [2 Power/computer/round] 8
ODN 18

Navigational Deflector [5 Power/round] 24
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Forward engineering hull, ventral of saucer
Auxiliary Deflector: Forward dorsal saucer 6

Sensor Systems
Long-range Sensors [5 Power/round] 59
Range Package: Type 7 (Accuracy 3/4/7/10)
High Resolution: .5/.6-1.0/1.1-3.8/3.9-5.0
Low Resolution: 1/1.1-6.0/6.1-13.0/13.1-17
Strength Package: Class 8 (Strength 8)
Gain Package: Class Beta (+2)
Coverage: Detect an additional 3,000 substances
Lateral Sensors [5 Power/round] 31
Strength Package: Class 8 (Strength 8)
Gain Package: Class Beta (+2)
Coverage: Detect an additional 3,000 substances

Navigational Sensors: [5 Power/round] 20
Strength Package: Class 8 (Strength 8)
Gain Package: Class Beta (+2)
Probes: 60 6

Sensors Skill: 5

Flight Control Systems
Autopilot: Shipboard Systems (Flight Control) 3, Coordination 3 [1 Power/round in use] 12
Navigational Computer
Main: Class 3 (+2) [2 Power/round] 4
Backups: 2 2
Inertial Damping Field
Main 48
Strength: 9 [3 Power/round]
Number: 4
Backup 12
Strength: 6 [2 Power/round]
Number: 4
Attitude Control [1 Power/round] 1

Communications Systems
Type: Class 8 [2 Power/round] 24
Strength: 8
Security: -4 (Class Gamma uprating)
Basic Uprating: Class Beta (+2)
Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Ventral Engineering hull, below navigational deflector
Emitter: Class Alpha [3 Power/Strength used/round] 3
Accuracy: 5/6/8/11
Location: Main shuttlebay

Transporters
Type: Personnel [4 Power/use] 32
Pads: 4
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Two, both on deck four of saucer section
Type: Emergency [5 Power/use] 45
Pads: 16
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Two in saucer section, one in engineering hull
Type: Cargo [4 Power/use] 39
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class H (Strength G)
Number and Location: Two in saucer section, one in engineering hull

Cloaking Device: None

Security Systems
Rating: 4 16
Anti-Intruder System: Yes [1 Power/round] 6
Internal Force Fields [1 Power/3 Strength] 6

Science Systems
Rating 3 (+2) [3 Power/round] 21
Specialized Systems: Two, defined when ship is constructed 10
Laboratories: 30 6

TACTICAL SYSTEMS

Saucer Forward Starboard Ventral Phaser Array 48
Type: X
Damage: 200 [20 Power]
Number of Emitters: 200 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Saucer ventral, forward starboard
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Forward Port Ventral Phaser Array 48
Type: X
Damage: 200 [20 Power]
Number of Emitters: 200 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Saucer ventral, forward port
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Forward Starboard Dorsal Phaser Array 47
Type: X
Damage: 200 [20 Power]
Number of Emitters: 200 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal, forward starboard
Firing Arc: 270 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Forward Port Dorsal Phaser Array 47
Type: X
Damage: 200 [20 Power]
Number of Emitters: 200 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal, forward port
Firing Arc: 270 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Aft Starboard Ventral Phaser Array 17
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Saucer ventral, aft starboard
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Aft Port Ventral Phaser Array 17
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Saucer ventral, aft port
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Aft Starboard Dorsal Phaser Array **17**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal, aft starboard
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Aft Port Dorsal Phaser Array **17**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal, aft port
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Phaser Array **32**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Engineering ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Aft Starboard Ventral Phaser Array **17**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Engineering aft ventral, starboard
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Aft Port Ventral Phaser Array **17**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Engineering aft ventral, port
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Starboard Forward Torpedo Launcher (High-Yield) **22**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Engineering forward, starboard
Firing Arc: Forward, but are self-guided

Port Forward Torpedo Launcher (High-Yield) **22**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Engineering forward, port
Firing Arc: Forward, but are self-guided

Starboard Aft Torpedo Launcher (High-Yield) **22**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Ship's dorsal spine, aft starboard
Firing Arc: Aft, but are self-guided

Port Aft Torpedo Launcher (High-Yield) **22**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Ship's dorsal spine, aft port
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 40 Type II, 10 Type VI **9**

TA/T/TS: Class Beta [1 Power/round] **9**
Strength: 8
Bonus: +1

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **64 (x4)**
Shield Generator: Class 4 (Protection 800)
[80 Power/shield/round]
Shield Grid: Type C (50% increase to 1200 Protection)
Subspace Field Distortion Amplifiers: Class Epsilon (Threshold 250)
Recharging System: Class 2 (40 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System **6**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 32 Size worth of ships **64**
Standard Complement: Four Type 8 and twelve Type 9 shuttlecraft
Location(s): Main shuttlebay aft of bridge, secondary smaller shuttlebay

Captain's Yacht: Yes ("Aeroshuttle") **10**

DESCRIPTION AND NOTES

Fleet data: One of Starfleet's most advanced designs to date, the *Intrepid*-class Light Explorer comes equipped with a host of sophisticated technological advances designed to help it perform its mission, and to give it the effectiveness of ships much larger and less maneuverable than it. These include multi-spectral shields, bio-neural computers, special SIF reinforcement grids along the hull, an auxiliary deflector, and an advanced warp propulsion system (supple-

mented by a "spare" warp core, actually a sufficient collection of parts to build a replacement core if necessary).

The *Intrepid* can attain extremely high speeds not only because of its advanced warp core, but due to its variable geometry warp nacelles, which allow the ship to adjust its warp field for maximum efficiency. The vessel's streamlined shape also allows it to project an unusually efficient warp field. To ensure that the ship does not experience a catastrophic warp speed collision, it has two navigational deflectors—a main one on the forward end of the engineering hull, and a much smaller auxiliary deflector on the forward dorsal end of the saucer section.

The *Intrepid*'s bridge module can separate from the main hull, and has its own maneuvering thrusters so that the crew can steer it. In game terms, this is bought as a detachable warhead, without the torpedoes or attendant military uses. The detached bridge has no weaponry.

Since the class's primary mission profiles involve exploration and scientific experimentation, it possesses an extensive complement of laboratories and scientific facilities. Each ship has two laboratory slot which are particularly advanced; Starfleet's engineers decide which labs to place in those slots (and thus which scientific tasks the ship excels at) when building each vessel. Most laboratories are on decks seven and eight.

The captain's yacht attached to the *Intrepid* is a special ship known as an "Aeroshuttle." Patterned in part after the *Danube*-class runabout, it is slightly larger and more maneuverable than a typical yacht.

Although not intended as a front-line combat vessel, the *Intrepid* has powerful tactical systems. These include multiple Type X phaser arrays and four high-yield torpedo launchers. The ship ordinarily carries Type II and Type VI torpedoes.

Most intriguingly of all, the *Intrepid* has atmospheric *and* planetfall capability—making it the largest Starfleet vessel with those abilities. When it lands, four large articulated "legs" emerge from the ventral side of the engineering hull to support it.

Note: The Starship Template for the basic *Intrepid*-class Light Explorer does not accurately represent the *U.S.S. Voyager* in all respects, since that ship's crew has extensively modified her (in part with Borg technology) during her time in the Delta Quadrant. Some of the changes worked on the *Voyager* include: improved shields (Protection 1500, Threshold 300); improved navigational sensors (its advanced astrometrics laboratory makes them ten times better than its standard sensors, by some estimates); and the addition of an advanced form of shuttle, the *Delta Flyer*.

Noteworthy vessels/service records/ encounters: *U.S.S. Intrepid,* NCC-74500, prototype, patrolled Romulan Neutral Zone during the Dominion War (2374-2375); *U.S.S. Voyager,* NCC-74656, lost in the Delta Quadrant due to the actions of mysterious being known as the "Caretaker" (2371-77); *U.S.S. Trailblazer,* NCC-74697, explored Typhon Sector (2374-2375); *U.S.S. Vor'kaan,* NCC-74712, explored Kellinan Reach (2376-present), *U.S.S. Bellerophon,* NCC-74705, carried diplomatic and scientific delegation to Romulus (2375). Also in service: *U.S.S. Gallant*, *U.S.S. Nelson*, *U.S.S. Vanguard*, *U.S.S. Goliath*, *U.S.S. Zealous*, *U.S.S. Theseus*, *U.S.S. Audacious*.

ISTANBUL CLASS

Class and Type: *Istanbul*-class Fast Cruiser

Commissioning Date: 2346

HULL SYSTEMS

Size: 6
Length: 355.82 meters
Beam: 214.69 meters
Height: 70.0 meters
Decks: 15
Mass: 1,605,500 metric tonnes
SUs Available: 2,100
SUs Used: 2,026

Hull

Outer	24
Inner	24

Resistance

Outer Hull: 8	9
Inner Hull: 6	6
Ablative Armor: 700	140

Structural Integrity Field

Main: Class 4 (Protection 70/110)	
[1 Power/10 Protection/round]	27
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	14
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	14

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 626/135/8,100

Crew Quarters

Spartan: None	
Basic: 600	60
Expanded: 120	24
Luxury: 40	40
Unusual: 15	15

Environmental Systems

Basic Life Support [12 Power/round]	24
Reserve Life Support [6 Power/round]	12
Emergency Life Support (36 emergency shelters)	12
Gravity [3 Power/round]	6
Consumables: 2 years' worth	12
Food Replicators [6 Power/round]	6
Industrial Replicators	12
Type: Network of small replicators [2 Power/round]	
Type: 2 large units [2 Power/replicator/round]	
Medical Facilities: 7 (+2) [7 Power/round]	35
Recreation Facilities: 6 [12 Power/round]	48
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	18
Fire Suppression System [1 Power/round when active]	6
Cargo Holds: 166,000 cubic meters	5
Locations: Saucer port and starboard, 5 others throughout saucer and Engineering hull	
Escape Pods	8
Number: 140	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6C5	102
Speed: 6.0/9.0/9.5 [1 Power/.2 warp speed]	
PIS: Type G (10 hours of Maximum warp)	14

Impulse Engine

Type: Class 6 (.75c/.9c) [7/9 Power/round]	30
Acceleration Uprating: Class Alpha (66% acceleration) [1 Power/round when active] 2	
Location: Saucer aft, port and starboard	
Reaction Control System (.025c) [2 Power/round when in use]	6

POWER SYSTEMS

Warp Engine

Type: Class 9/0 (generates 495 Power/round)	105
Location: Engineering hull	
Impulse Engine[s]: 1 Class 6 (generate 48 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +250 Power transfer/round	55

Standard Usable Power: 408

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	30

Computers

Core 1: Saucer [5 Power/round]	12
Core 2: Engineering hull [5 Power/round]	12
Uprating: Class Alpha (+1) [1 Power/computer/round]	4
ODN	18

Navigational Deflector [5 Power/round] **24**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Engineering hull forward, ventral of saucer

Sensor Systems

Long-range Sensors [5 Power/round]	46
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	22
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	20
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Beta (+2)	
Probes: 50	5

Sensors Skill: 4

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2 [1 Power/round in use]	11

Navigational Computer
- Main: Class 2 (+1) [1 Power/round] 2
- Backups: 2 2

Inertial Damping Field
- Main 36
  - Strength: 9 [3 Power/round]
  - Number: 3
- Backup 12
  - Strength: 6 [2 Power/round]
  - Number: 4

Attitude Control [1 Power/round] 1

Communications Systems
- Type: Class 7 [2 Power/round] 17
  - Strength: 7
  - Security: -3
  - Basic Uprating: Class Alpha (+1)
- Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
- Emitter: Class Gamma [3 Power/Strength used/round] 9
  - Accuracy: 4/5/7/10
  - Location: Forward
- Emitter: Class Gamma [3 Power/Strength used/round] 9
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] 3
  - Accuracy: 5/6/8/11
  - Location: Shuttlebay

Transporters
- Type: Personnel [5 Power/use] 51
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Two in saucer, one in Engineering hull
- Type: Emergency [5 Power/use] 60
  - Pads: 16
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Two in saucer, two in Engineering hull
- Type: Cargo [4 Power/use] 39
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Two in saucer, one in Engineering hull

Cloaking Device: None

Security Systems
- Rating: 3 12
- Anti-Intruder System: Yes [1 Power/round] 6
- Internal Force Fields [1 Power/3 Strength] 6

Science Systems
- Rating 2 (+1) [2 Power/round] 16
- Specialized Systems: 1 5
- Laboratories: 12 4

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array 48
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 200 (up to 5 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array 32
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral
  - Firing Arc: 405 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Phaser Array 31
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Port Pylon Dorsal Phaser Array 19
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 60 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Port pylon dorsal
  - Firing Arc: 360 degrees port
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Starboard Pylon Dorsal Phaser Array 19
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 60 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Starboard pylon dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Phaser Array 23
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Aft Engineering
  - Firing Arc: 360 degrees aft
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Dorsal Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward dorsal
Firing Arc: Forward, but are self-guided

Forward Ventral Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral (in interhull)
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Engineering aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 100 **10**

TA/T/TS: Class Beta [1 Power/round] **9**
Strength: 8
Bonus: +1

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **66 (x4)**
Shield Generator: Class 5 (Protection 810)
[81 Power/shield/round]
Shield Grid: Type C (50% increase to 1215 Protection)
Subspace Field Distortion Amplifiers: Class Zeta (Threshold 275)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **6**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 20 Size worth of ships **40**
Standard Complement: 7 shuttlecraft, 6 shuttlepods
Location(s): Saucer aft

Captain's Yacht: Yes **10**

DESCRIPTION AND NOTES

Fleet data: Designed 30 years ago to fill a perceived need for a ship which could conduct reconnaissance-, scouting-, and exploration-type missions in extremely dangerous areas, and secondarily could act as a courier for large groups of persons who needed to travel into or through such areas, the *Istanbul*-Class Fast Cruiser has performed that function admirably. Roomy for a Fast Cruiser, it can carry more personnel than most ships of its class.

Due to its usefulness, the *Istanbul*-class has received numerous upratings and improvements. The latest of these is the addition of ablative armor to its hull, which helped protect the ship from the rigors of the Dominion War (during which it performed many important missions).

Physically, the *Istanbul* betrays its role as one of the predecessors of the *Nebula*-class Cruiser. Its saucer strongly resembles the *Nebula*'s, though its relatively small Engineering hull is somewhat larger. It has three warp nacelles, two ventral on the sides and a third dorsal along the ship's centerline.

Noteworthy vessels/service records/ encounters: *U.S.S. Istanbul,* prototype; *U.S.S. Constantinople,* NCC-34852, suffered hull breach near Gravesworld and was rescued by *U.S.S. Enterprise-D* (2365); *U.S.S. Sarajevo,* NCC-38529, lost in Gamma Quadrant during exploration mission, later confirmed destroyed by the Dominion (2370). Also in service: *U.S.S. Havana,* NCC-34043; *U.S.S. Chicago,* NCC-34055; *U.S.S. Kiev,* NCC-34123.

KOROLEV CLASS

Class and Type: *Korolev*-class Surveyor
Commissioning Date: 2352

HULL SYSTEMS

Size: 6
Length: 310.10 meters
Beam: 125.63 meters
Height: 58.74 meters
Decks: 12
Mass: 345,000 metric tonnes
SUs Available: 1,730
SUs Used: 1,653

Hull

Outer	24
Inner	24

Resistance

Outer Hull: 8	9
Inner Hull: 4	3

Structural Integrity Field

Main: Class 4 (Protection 70/110)	
[1 Power/10 Protection/round]	27
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	14
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	14

Specialized Hull: Atmospheric Capability **6**

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 712/990/5,500

Crew Quarters

Spartan: None	
Basic: 650	65
Expanded: 200	40
Luxury: 40	40
Unusual: 25	25

Environmental Systems

Basic Life Support [11 Power/round]	24
Reserve Life Support [6 Power/round]	12
Emergency Life Support (36 emergency shelters)	12
Gravity [3 Power/round]	6
Consumables: 3 years' worth	18
Food Replicators [6 Power/round]	6
Industrial Replicators	12
Type: Network of small replicators [2 Power/round]	
Type: 2 large units [2 Power/replicator/round]	
Medical Facilities: 8 (+2) [8 Power/round]	40
Recreation Facilities: 7 [14 Power/round]	56
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	18
Fire Suppression System [1 Power/round when active]	6
Cargo Holds: 100,000 cubic meters	3
Locations: Saucer port, saucer starboard, aft Engineering, 4 others throughout ship	
Escape Pods	8
Number: 140	
Capacity: 6 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6A	90
Speed: 6.3/8.0/9.0 [1 Power/.2 warp speed]	
PIS: Type I (18 hours of Maximum warp)	18
Uprating: Package 3 (+0.3 to Standard)	6

Impulse Engine

Type: Class 5 (.7c/.9c) [7/9 Power/round]	25
Location: Saucer aft, port and starboard	
Reaction Control System (.025c) [2 Power/round when in use]	6

POWER SYSTEMS

Warp Engine

Type: Class 6/K (generates 325 Power/round)	73
Location: Engineering hull	
Impulse Engine[s]: 1 Class 5 (generate 40 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +280 Power transfer/round	58

Standard Usable Power: 365

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	30

Computers

Core 1: Saucer port [5 Power/round]	12
Core 2: Sacuer starboard [5 Power/round]	12
Core 3: Engineering [5 Power/round]	12
Uprating: Class Beta (+2) [2 Power/computer/round]	12
ODN	18

Navigational Deflector [5 Power/round] **24**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Engineering forward

Sensor Systems

Long-range Sensors [5 Power/round]	58
Range Package: Type 7 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)	
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)	
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: +2000 substances/phenomena	
Lateral Sensors [5 Power/round]	30
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: +2000 substances/phenomena	
Navigational Sensors: [5 Power/round]	22
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Probes: 200	20

Sensors Skill: 5

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Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 2, Coordination 1 [1 Power/round in use] — 7
- Navigational Computer
  - Main: Class 3 (+2) [2 Power/round] — 4
  - Backups: 2 — 2
- Inertial Damping Field
  - Main — 36
    - Strength: 9 [3 Power/round]
    - Number: 3
  - Backup — 12
    - Strength: 6 [2 Power/round]
    - Number: 4
- Attitude Control [2 Power/round] — 2

Communications Systems
- Type: Class 8 [2 Power/round] — 16
  - Strength: 8
  - Security: -3
- Emergency Communications: Yes [2 Power/round] — 1

Tractor Beams
- Emitter: Class Gamma [3 Power/Strength used/round] — 9
  - Accuracy: 4/5/7/10
  - Location: Forward dorsal
- Emitter: Class Gamma [3 Power/Strength used/round] — 9
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] — 3
  - Accuracy: 5/6/8/11
  - Location: Shuttlebay

Transporters
- Type: Personnel [4 Power/use] — 45
  - Pads: 4
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: Two in saucer, one in Engineering hull
- Type: Emergency [5 Power/use] — 42
  - Pads: 16
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: Two in saucer, one in Engineering hull
- Type: Cargo [5 Power/use] — 26
  - Pads: 600 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: One in saucer, one in Engineering hull

Cloaking Device: None

Security Systems
- Rating: 3 — 12
- Anti-Intruder System: Yes [1 Power/round] — 6
- Internal Force Fields [1 Power/3 Strength] — 6

Science Systems
- Rating 4 (+3) [5 Power/round] — 26
- Specialized Systems: 3 — 15
- Laboratories: 30 — 6

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array — 25
- Type: VII
  - Damage: 140 [14 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array — 25
- Type: VII
  - Damage: 140 [14 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral
  - Firing Arc: 405 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Ventral Torpedo Launcher — 14
- Standard Load: Type II photon torpedo (200 Damage)
  - Spread: 4
  - Range: 15/300,000/1,000,000/3,500,000
  - Targeting System: Accuracy 4/5/7/10
  - Power: [20 + 5 per torpedo fired]
  - Location: Forward ventral
  - Firing Arc: Forward, but are self-guided

Aft Dorsal Torpedo Launcher — 14
- Standard Load: Type II photon torpedo (200 Damage)
  - Spread: 4
  - Range: 15/300,000/1,000,000/3,500,000
  - Targeting System: Accuracy 4/5/7/10
  - Power: [20 + 5 per torpedo fired]
  - Location: Aft dorsal
  - Firing Arc: Aft, but are self-guided

Torpedoes Carried: 40 — 4

TA/T/TS: Class Alpha [0 Power/round] — 6
- Strength: 7
- Bonus: +0

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) — 34 (x4)
- Shield Generator: Class 2 (Protection 400) [40 Power/shield/round]
- Shield Grid: Type B (33% increase to 533 Protection)
- Subspace Field Distortion Amplifiers: Class Beta (Threshold 100)
- Recharging System: Class 1 (45 seconds)
- Backup Shield Generators: 4 (1 per shield) — 8

Auto-Destruct System — 6

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 20 Size worth of ships — 40
- Standard Complement: 7 shuttlecraft, 6 shuttlepods
  - Location(s): Saucer aft

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: Designed for long-term deep survey missions, the *Korolev*-class Surveyor is one of the largest and sturdiest science vessels currently fielded by Starfleet. Named for a famed 20th century Earth space exploration pioneer (whose name also graced a *Miranda*-class vessel devoted to scientific purposes which was decommissioned in 2314), the *Korolev*-class ship typically undertakes multi-year deep space missions to chart distant star systems, investigate stellar anomalies, and generally advance the Federation's body of scientific knowledge.

Starfleet continually uprates *Korolev*-class vessels so that they have the most state of the art sensor and science packages available. To facilitate this process, many of its laboratories and larger sensor arrays are modular. At a spacedock, Starfleet engineers can easily tractor one out and install a newer, better module in its place.

The main body of the *Korolev* is an Engineering hull modeled after the type used on the *Ambassador*-class Heavy Cruiser, but somewhat more streamlined and elongated, with a rounded front end (where the navigational deflector is) and a tapered aft end. The nacelles are held on two short pylons which project slightly upward at a slight forward angle. The Egineering hull projects just a little bit forward of the short, thick connecting interhull, which leads to an ovate saucer section.

Noteworthy vessels/service records/ encounters: *U.S.S. Korolev,* NX-59387, prototype (not to be confused with earlier *Miranda*-class vessel, NCC-2014); *U.S.S. Goddard,* NCC-59621, participated in tachyon grid to prevent Romulan interference in Klingon civil war (2368); *U.S.S. Gathev,* NCC-61628, conducted exploration of Gamma Quadrant (2371).

MEDITERRANEAN CLASS

Class and Type: *Mediterranean*-class Frigate

Commissioning Date: 2339

HULL SYSTEMS

Size: 5
- Length: 285.43 meters
- Beam: 87.82 meters
- Height: 45.61 meters
- Decks: 9
- Mass: 468,000 metric tonnes
- SUs Available: 1,685
- SUs Used: 1,618

Hull

Outer	20
Inner	20

Resistance

Outer Hull: 8	9
Inner Hull: 6	6

Structural Integrity Field

Main: Class 4 (Protection 70/110)	
[1 Power/10 Protection/round]	26
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	13
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	13

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 115/85/2,200

Crew Quarters

Spartan: None	
Basic: 100	10
Expanded: 35	7
Luxury: 10	10
Unusual: 3	3

Environmental Systems

Basic Life Support [10 Power/round]	20
Reserve Life Support [5 Power/round]	10
Emergency Life Support (30 emergency shelters)	10
Gravity [3 Power/round]	5
Consumables: 2 years' worth	10
Food Replicators [5 Power/round]	5
Industrial Replicators	11
Type: Network of small replicators [2 Power/round]	
Type: 2 large unit [2 Power/replicator/round]	
Medical Facilities: 6 (+1) [6 Power/round]	30
Recreation Facilities: 5 [10 Power/round]	40
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	15
Fire Suppression System [1 Power/round when active]	5
Cargo Holds: 66,000 cubic meters	2
Locations: Saucer port, saucer starboard, 3 other locations throughout ship	
Escape Pods	7
Number: 120	
Capacity: 6 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6.92	86
Speed: 6.0/7.3/9.2 [1 Power/.2 warp speed]	
PIS: Type I (15 hours of Maximum warp)	18
Uprating: Package 3 (+0.3 for Sustainable)	4

Impulse Engine

Type: Class 5A (.72c/.9c) [7/9 Power/round]	28
Location: Saucer aft, port and starboard	

Impulse Engine

Type: Class 5A (.72c/.9c) [7/9 Power/round]	28
Location: Engineering, at dorsal juncture of pylons and hull	
Reaction Control System (.025c) [2 Power/round when in use]	5

POWER SYSTEMS

Warp Engine

Type: Class 8/N (generates 445 Power/round)	95
Location: Engineering hull	
Impulse Engine[s]: 2 Class 5A (generate 44 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +240 Power transfer/round	49

Standard Usable Power: 533

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	25
Auxiliary Control Room: Battle bridge, Engineering forward dorsal	15
Separation System: Saucer separation [10 Power]	11

Computers

Core 1: Saucer [5 Power/round]	10
Core 2: Engineering [5 Power/round]	10
Uprating: Class Alpha (+1) [1 Power/computer/round]	4
ODN	15

Navigational Deflector [5 Power/round] **20**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Forward Engineering hull

Sensor Systems

Long-range Sensors [5 Power/round]	37
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	17
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	16
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Probes: 60	6

Sensors Skill: 3

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2 [1 Power/round in use] — 11
- Navigational Computer
  - Main: Class 3 (+2) [2 Power/round] — 4
  - Backups: 1 — 1
- Inertial Damping Field
  - Main — 30
    - Strength: 9 [3 Power/round]
    - Number: 3
  - Backup — 9
    - Strength: 6 [2 Power/round]
    - Number: 3
- Attitude Control [1 Power/round] — 1

Communications Systems
- Type: Class 7 [2 Power/round] — 19
  - Strength: 7
  - Security: -4 (Class Gamma uprating)
  - Basic Uprating: Class Alpha (+1)
- Emergency Communications: Yes [2 Power/round] — 1

Tractor Beams
- Emitter: Class Gamma [3 Power/Strength used/round] — 9
  - Accuracy: 4/5/7/10
  - Location: Forward
- Emitter: Class Gamma [3 Power/Strength used/round] — 9
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] — 3
  - Accuracy: 5/6/8/11
  - Location: Shuttlebay

Transporters
- Type: Personnel [5 Power/use] — 51
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Two in saucer, one in Engineering
- Type: Emergency [6 Power/use] — 48
  - Pads: 18
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Two in saucer, one in Engineering
- Type: Cargo [4 Power/use] — 26
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: One in saucer, one in Engineering

Cloaking Device: None

Security Systems
- Rating: 4 — 16
- Anti-Intruder System: Yes [1 Power/round] — 5
- Internal Force Fields [1 Power/3 Strength] — 5

Science Systems
- Rating 2 (+1) [2 Power/round] — 15
- Specialized Systems: 1 — 5
- Laboratories: 8 — 2

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array — 40
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 160 (up to 4 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array — 32
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral
  - Firing Arc: 405 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Dorsal Phaser Array — 31
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Phaser Array — 31
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Dorsal Phaser Array — 27
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 100 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Aft dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Ventral Phaser Array — 27
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 100 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Aft ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Dorsal Starboard Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer dorsal starboard
Firing Arc: Forward, but are self-guided

Forward Dorsal Port Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer dorsal port
Firing Arc: Forward, but are self-guided

Aft Starboard Torpedo Launcher **14**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Engineering hull aft starboard
Firing Arc: Aft, but are self-guided

Aft Port Torpedo Launcher **14**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Engineering hull aft port
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 120 **12**

TA/T/TS: Class Beta [1 Power/round] **9**
Strength: 8
Bonus: +1

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **46 (x4)**
Shield Generator: Class 4 (Protection 750)
[75 Power/shield/round]
Shield Grid: Type B (33% increase to 1000 Protection)
Subspace Field Distortion Amplifiers: Class Epsilon (Threshold 250)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System **5**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 10 Size worth of ships **20**
Standard Complement: 4 shuttlecraft, 2 shuttlepods
Location(s): Saucer aft

Captain's Yacht: Yes **10**

DESCRIPTION AND NOTES

Fleet data: The *Mediterranean*-class Frigate, one of the most popular smaller ships among Starfleet officers, was originally designed as a general purpose vessel. It was expected to perform exploration, diplomatic, defense, and support missions, perhaps with some minor refitting or uprating to "specialize" it for specific longer-term duties. During this period of the class's lifespan it received many upratings to, among other things, improve the quality of its phasers.

In the early 2370s Starfleet decided to refit the entire *Mediterranean*-class to use it for orbital support and core system defense duties. As one of the cornerstones of Starfleet's new core defense strategy, many of its systems will be altered or improved as part of the Aegean Development Project. As of 2375, planned upgrades include adding ablative armor, atmospheric capability, and improved medical facilities (with an EMH); increasing the size of some of the ship's phaser arrays; replacing the dorsal saucer torpedo launchers with Aegean Weapons Modules which include pulse phaser cannons and torpedo launchers; and uprating the torpedo launchers for larger spreads. These changes will require a reduction in cargo carrying capacity and crew quarters complements.

From its appearance, it's easy to see that the *Mediterranean*-class ship is built to withstand a lot of punishment. Its short, thick nacelle pylons, which project from the Engineering hull nearly straight port and aft instead of being sharply angled, are much less vulnerable to attack than the pylons on most Starfleet vessels. The presence of an additional superstructure to hold the Engineering hull's impulse engines at the dorsal base of the pylons further strengthens them. The Engineering hull itself is shaped something like a spearhead, with the point towards the aft; as usual, its forward end includes the main deflector. Attached directly to the top of the Engineering section without a connecting interhull is the saucer, which has a broad arrowhead shape.

Noteworthy vessels/service records/encounters: *U.S.S. Mediterranean,* prototype; *U.S.S. Lalo,* NCC-43837, reported temporal distortions caused by Dr. Paul Manheim (2364), lost and presumed destroyed by the Borg near Zeta Alpha II (2366); *U.S.S. Aegean,* NCC-44454, testbed for planned Aegean Development Project upratings (2372). Also in service: *U.S.S. Wyoming,* NCC-43730.

MERCED CLASS

Class and Type: *Merced*-class Light Escort

Commissioning Date: 2312

HULL SYSTEMS

Size: 5
- Length: 187.33 meters
- Beam: 68.43 meters
- Height: 43.25 meters
- Decks: 9
- Mass: 399,000 metric tonnes
- SUs Available: 1,175
- SUs Used: 1,093

Hull

Outer	20
Inner	20

Resistance

Outer Hull: 4	3
Inner Hull: 4	3

Structural Integrity Field

Main: Class 3 (Protection 60/90)	
[1 Power/10 Protection/round]	23
Backup: Class 3 (Protection 30)	
[1 Power/10 Protection/round]	12
Backup: Class 3 (Protection 30)	
[1 Power/10 Protection/round]	12

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 53/67/1,200

Crew Quarters

Spartan: 20	1
Basic: 30	3
Expanded: 10	2
Luxury: 5	5
Unusual: 2	2

Environmental Systems

Basic Life Support [9 Power/round]	20
Reserve Life Support [5 Power/round]	10
Emergency Life Support (30 emergency shelters)	10
Gravity [3 Power/round]	5
Consumables: 1 year's worth	5
Food Replicators [5 Power/round]	5
Industrial Replicators	8
Type: Network of small replicators [2 Power/round]	
Type: 1 large unit [2 Power/replicator/round]	
Medical Facilities: 4 (+1) [4 Power/round]	20
Recreation Facilities: 3 [6 Power/round]	24
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	15
Fire Suppression System [1 Power/round when active]	5
Cargo Holds: 33,000 cubic meters	1
Locations: Saucer port, saucer starboard, Engineering pod	
Escape Pods	7
Number: 120	
Capacity: 6 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 5E	75
Speed: 5.0/9.0/9.2 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 5 (.7c/.9c) [7/9 Power/round]	25
Acceleration Uprating: Class Beta (75% acceleration)	
[2 Power/round when active]	4
Location: Aft port and starboard of saucer	
Reaction Control System (.025c) [2 Power/round when in use]	5

POWER SYSTEMS

Warp Engine

Type: Class 5/H (generates 290 Power/round)	64
Location: Engineering pod	
Impulse Engine[s]: 1 Class 5 (generate 40 Power/engine/round)	
Auxiliary Power: 2 reactors (generate 5 Power/reactor/round)	6
Emergency Power: Type B (generates 30 Power/round)	30
EPS: Standard Power flow, +150 Power transfer/round	40

Standard Usable Power: 300

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	25

Computers

Core 1: Saucer [5 Power/round]	10
Core 2: Engineering [5 Power/round]	10
Uprating: Class Alpha (+1) [1 Power/computer/round]	4
ODN	15

Navigational Deflector [5 Power/round] **20**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Saucer ventral

Sensor Systems

Long-range Sensors [5 Power/round]	37
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	17
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	16
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Probes: 30	3

Sensors Skill: 3

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2	
[1 Power/round in use]	11

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Navigational Computer
Main: Class 3 (+2) [2 Power/round] 4
Backups: 2 2
Inertial Damping Field
Main 30
Strength: 9 [3 Power/round]
Number: 3
Backup 9
Strength: 6 [2 Power/round]
Number: 3
Attitude Control [1 Power/round] 1

Communications Systems
Type: Class 6 [2 Power/round] 17
Strength: 6
Security: -4 (Class Gamma uprating)
Basic Uprating: Class Alpha (+1)
Emergency Communications: Yes No [2 Power/round] 1

Tractor Beams
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Forward
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Aft ventral

Transporters
Type: Personnel [4 Power/use] 28
Pads: 4
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class F (Strength 6)
Number and Location: One in Saucer, one in Engineering pod
Type: Emergency [5 Power/use] 26
Pads: 16
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class F (Strength 6)
Number and Location: One in Saucer, one in Engineering pod
Type: Cargo [4 Power/use] 11
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class F (Strength 6)
Number and Location: One in saucer

Cloaking Device: None

Security Systems
Rating: 3 12
Anti-Intruder System: Yes [1 Power/round] 5
Internal Force Fields [1 Power/3 Strength] 5

Science Systems
Rating 1 (+0) [1 Power/round] 10
Specialized Systems: None
Laboratories: 5 2

TACTICAL SYSTEMS

Saucer Ventral Phaser Array **21**
Type: VII
Damage: 140 [14 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Pod Dorsal Phaser Array **18**
Type: VII
Damage: 140 [14 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering pod dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Torpedo Launcher **14**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer forward
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher **14**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Engineering pod aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 40 **4**

TA/T/TS: Class Alpha [0 Power/round] **6**
Strength: 7
Bonus: +0

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) **37 (x4)**
Shield Generator: Class 2 (Protection 400)
[40 Power/shield/round]
Shield Grid: Type C (50% increase to 600 Protection)
Subspace Field Distortion Amplifiers: Class Gamma (Threshold 130)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System **5**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 2 Size worth of ships **4**
Standard Complement: 2 Type 15 shuttlecraft
Location(s): Saucer aft

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet Data: The *Merced*-class Light Escort was developed in the first decade of this century as part of Starfleet's response to the Tomed Incident. It was originally intended as a support vessel for a proposed "Strike Cruiser" code-named the *Freedom*-class. However, when the Romulans chose to isolate themselves rather than continue their historical pattern of aggression, the Freedom Development Project was scrapped (though the class designation would later be revived for a class of Frigates). Thus, the *Merced,* which started production in 2312, enjoys the curious distinction of having the shortest production lifespan of any vessel in Starfleet history (only four ships per year were built over a four-year period).

Despite their limited production life, *Merced* vessels proved highly functional, and remain in service today (albeit with many upgrades, and a projected continued lifespan of only another 25 years or so, at most). Designed primarily for fleet escort, troop transport, and interdiction duties, they tend to have short ranges and capacities (most missions last less than a year), making them a somewhat uncomfortable "trial by fire" for many brash young cadets. As of 2375, most are attached to starbases, Deep Space stations, and/or frontier fleets as support and defense ships, or escorts for newer cruisers and frigates.

The *Merced*-class has a saucer shaped like a broad arrowhead with a single phaser bank on the ventral side, much like the old *Constitution*-class vessel. Its Engineering section is contained in a "pod" attached to the ship by an odd-looking, vaguely triangular Engineering hull/connecting interhull.

Noteworthy vessels/service records/ encounters: *U.S.S. Merced*, prototype; *U.S.S. Trieste*, NCC-37124, stationed near Starbase 74, former assignment of Cmdr. Data. Also in service: *U.S.S. Calypso*, *U.S.S. Oberon*.

MIRANDA CLASS

Class and Type: *Miranda*-class Cruiser

Commissioning Date: 2274

HULL SYSTEMS

Size: 5
- Length: 277.76 meters
- Beam: 173.98 meters
- Height: 65.23 meters
- Decks: 11
- Mass: 655,000 metric tonnes
- SUs Available: 1,600
- SUs Used: 1,547

Hull

Outer	20
Inner	20

Resistance

Outer Hull: 6	6
Inner Hull: 6	6

Structural Integrity Field

Main: Class 4 (Protection 70/110)	
[1 Power/10 Protection/round]	26
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	13
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	13

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 220/35/500

Crew Quarters

Spartan: None	
Basic: 180	18
Expanded: 50	5
Luxury: 15	15
Unusual: 5	5

Environmental Systems

Basic Life Support [8 Power/round]	20
Reserve Life Support [4 Power/round]	10
Emergency Life Support (30 emergency shelters)	10
Gravity [3 Power/round]	5
Consumables: 2 years' worth	10
Food Replicators [5 Power/round]	5
Industrial Replicators	8
Type: Network of small replicators [2 Power/round]	
Type: 1 large unit [2 Power/replicator/round]	
Medical Facilities: 6 (+1) [6 Power/round]	30
Recreation Facilities: 6 [12 Power/round]	48
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	15
Fire Suppression System [1 Power/round when active]	5
Cargo Holds: 66,000 cubic meters	2
Locations: Saucer port, saucer starboard, Engineering aft	
Escape Pods	8
Number: 120	
Capacity: 12 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 5D	70
Speed: 5.0/8.8/9.2 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16
Uprating: Package 4 (+0.4 for Sustainable);	
Package 2 (+0.2 for Maximum)	12

Impulse Engine

Type: Class 4 (.6c/.8c) [6/8 Power/round]	20
Acceleration Uprating: Class Alpha (66% acceleration)	
[1 Power/round when active]	2
Location: Engineering aft port and starboard	
Reaction Control System (.025c) [2 Power/round when in use]	5

POWER SYSTEMS

Warp Engine

Type: Class 7/M (generates 390 Power/round)	84
Location: Engineering hull	
Impulse Engine[s]: 1 Class 4 (generate 32 Power/engine/round)	
Auxiliary Power: 3 reactors (generate 5 Power/reactor/round)	9
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +250 Power transfer/round	50

Standard Usable Power: 422

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	25

Computers

Core 1: Saucer [5 Power/round]	10
Core 2: Engineering [5 Power/round]	10
Uprating: Class Alpha (+1) [1 Power/computer/round]	4
ODN	15

Navigational Deflector [5 Power/round] **20**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Saucer ventral

Sensor Systems

Long-range Sensors [5 Power/round]	45
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Alpha (+1)	
Coverage: +2000 substances/phenomena	
Lateral Sensors [5 Power/round]	25
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Alpha (+1)	
Coverage: +2000 substances/phenomena	
Navigational Sensors: [5 Power/round]	20
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Beta (+2)	
Probes: 40	4

Sensors Skill: 3

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 3 [1 Power/round in use] — 12
- Navigational Computer
  - Main: Class 2 (+1) [1 Power/round) — 2
  - Backups: 2 — 2
- Inertial Damping Field
  - Main — 30
    - Strength: 9 [3 Power/round]
    - Number: 3
  - Backup — 9
    - Strength: 6 [2 Power/round]
    - Number: 3
- Attitude Control [1 Power/round] — 1

Communications Systems
- Type: Class 8 [2 Power/round] — 22
  - Strength: 8
  - Security: -3
  - Basic Uprating: Class Beta (+2)
- Emergency Communications: Yes [2 Power/round] — 1

Tractor Beams
- Emitter: Class Gamma [3 Power/Strength used/round] — 9
  - Accuracy: 4/5/7/10
  - Location: Forward dorsal
- Emitter: Class Gamma [3 Power/Strength used/round] — 9
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] — 3
  - Accuracy: 5/6/8/11
  - Location: Shuttlebay

Transporters
- Type: Personnel [4 Power/use] — 64
  - Pads: 4
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Three in hull, one in Engineering hull
- Type: Emergency [5 Power/use] — 45
  - Pads: 16
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Two in saucer, one in Engineering hull
- Type: Cargo [4 Power/use] — 39
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Two in saucer, one in Engineering hull

Cloaking Device: None

Security Systems
- Rating: 4 — 16
- Anti-Intruder System: Yes [1 Power/round] — 5
- Internal Force Fields [1 Power/3 Strength] — 5

Science Systems
- Rating 2 (+1) [2 Power/round] — 15
- Specialized Systems: 1 — 5
- Laboratories: 19 — 4

TACTICAL SYSTEMS

Starboard Pulse Phaser Array — 26
- Type: VII Pulse
  - Damage: 190 [19 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Starboard
  - Firing Arc: Forward
  - Firing Modes: Standard, Wide Beam

Port Pulse Phaser Array — 26
- Type: VII Pulse
  - Damage: 190 [19 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Port
  - Firing Arc: Forward
  - Firing Modes: Standard, Wide Beam

Rollbar Forward Phaser Array — 18
- Type: VII
  - Damage: 140 [14 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Forward side of rollbar pod
  - Firing Arc: 360 degrees forward
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array — 24
- Type: VII
  - Damage: 140 [14 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Phaser Array — 24
- Type: VII
  - Damage: 140 [14 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Dorsal Starboard Phaser Array — 18
- Type: VII
  - Damage: 140 [14 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal starboard
  - Firing Arc: 360 degrees forward
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Dorsal Port Phaser Array **18**
Type: VII
Damage: 140 [14 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal port
Firing Arc: 360 degrees forward
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Starboard Phaser Array **18**
Type: VII
Damage: 140 [14 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Dorsal Starboard Torpedo Launcher **14**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer dorsal starboard
Firing Arc: Forward, but are self-guided

Forward Dorsal Port Torpedo Launcher **14**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer dorsal port
Firing Arc: Forward, but are self-guided

Engineering Pod Aft Starboard Torpedo Launcher **14**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9 4/5/7/10 5/6/8/11
Power: [20 + 5 per torpedo fired]
Location: Engineering pod aft starboard
Firing Arc: Aft, but are self-guided

Engineering Pod Aft Port Torpedo Launcher **14**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9 4/5/7/10 5/6/8/11
Power: [20 + 5 per torpedo fired]
Location: Engineering pod aft starboard
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 80 **8**

TA/T/TS: Class Beta [1 Power/round] **9**
Strength: 8
Bonus: +1

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) **39 (x4)**
Shield Generator: Class 3 (Protection 450)
[45 Power/shield/round]
Shield Grid: Type C (50% increase to 675 Protection)
Subspace Field Distortion Amplifiers: Class Gamma (Threshold 150)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System **5**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 15 Size worth of ships **30**
Standard Complement: 5 shuttlecraft, 5 shuttlepods
Location(s): Engineering aft

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The oldest vessel design still in active production by Starfleet, the *Miranda*-class Cruiser owes its longevity to two factors. The first is that it's quick and easy to produce. It consists primarily of a saucer section with a small Engineering section attached to it aft and two nacelles attached to Engineering by short, aft-angled ventral nacelles.

The second is its adaptability. While most *Miranda*-class vessels are tasked with scientific or exploratory duties (it was, in fact, the first ship launched as part of the Exploratory Vessel Initiative), the ship's design makes the swapping of systems or installation of uprating packages a simple matter.

Thanks to the ship's versatility, it sometimes seems as if no two *Miranda*-class Cruisers are alike! The basic model includes a large aft "rollbar" (sometimes with a central pod) across the top of the ship, but some versions lack this, or incorporate other changes. One version of the ship is so different that it's sometimes referred to as a separate class (the *Soyuz*-class Cruiser; withdrawn from production in 2288). In game terms, the Starship Template above represents an "average" *Miranda*-class vessel. Some of the possible variations include:

—Variant 1: Remove pulse phasers. Examples: *U.S.S. Miranda,* prototype; *U.S.S. Brattain,* NCC-21166, crew kills itself due to REM sleep deprivation resulting from attempts at communication by alien species caught in a Tyken's Rift (2367); *U.S.S. Reliant,* NCC-1864, hijacked by Khan Noonian Singh and later destroyed by detonation of the Genesis Device (2285); *U.S.S. Tian An Men*, NCC-21382, participated in Romulan blockade (2368);

—Variant 2: Remove rollbar and attached systems. Examples: *U.S.S. Saratoga,* NCC-31911, destroyed at the Battle of Wolf 359 (2367);

U.S.S. Vigilant, NCC-33984, lost during long range survey mission in Perseus Arm (2348);

—Variant 3: Remove rollbar, attached systems, and pulse phasers. Examples: *U.S.S. Lantree,* NCC-1837, used primarily as a supply ship, destroyed by *U.S.S. Enterprise*-D after entire crew killed by the immune systems of a group of genetically engineered children on Gagarin IV (2365);

—Variant 4: *Soyuz*-class conversion: Replace rollbar with *Soyuz*-class aft sensor package (includes all rollbar systems, but increases all sensors to Class 9 and the gain of long-range and lateral sensors to +2 [+12 SUs], increase shuttlebay to accomodate up to 20 SUs of craft [+10 SUs], increase size of bridge module). Examples: *U.S.S. Bozeman,* NCC-1941, caught in temporal causality loop near the Typhon Expanse in 2278, emerged in 2368 and re-entered service, participated in defense of Earth against Borg attack (2373).

Noteworthy vessels/service records/ encounters: See above. Also in service: *U.S.S. Andover*, *U.S.S. Brisbane*, *U.S.S. Mondial*.

NEBULA CLASS

Class and Type: *Nebula*-class Exploratory Cruiser

Commissioning Date: 2357

HULL SYSTEMS

Size: 7
Length: 442.3 meters
Beam: 318.11 meters
Height: 130.43 meters
Decks: 28
Mass: 3,309,000 metric tonnes
SUs Available: 2,500
SUs Used: 2,406

Hull
Outer 28
Inner 28

Resistance
Outer Hull: 8 9
Inner Hull: 8 9

Structural Integrity Field
Main: Class 6 (Protection 90/130)
[1 Power/10 Protection/round] 34
Backup: Class 6 (Protection 50)
[1 Power/10 Protection/round] 17
Backup: Class 6 (Protection 50)
[1 Power/10 Protection/round] 17

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 750/130/9,800

Crew Quarters
Spartan: None
Basic: 700 70
Expanded: 200 40
Luxury: 50 50
Unusual: 20 20

Environmental Systems
Basic Life Support [12 Power/round] 28
Reserve Life Support [6 Power/round] 14
Emergency Life Support (42 emergency shelters) 14
Gravity [4 Power/round] 7
Consumables: 3 years' worth 21
Food Replicators [7 Power/round] 7
Industrial Replicators 16
Type: Network of small replicators [2 Power/round]
Type: 3 large units [2 Power/replicator/round]
Medical Facilities: 9 (+2) [9 Power/round] 45
Recreation Facilities: 8 [16 Power/round] 64
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round] 21
Fire Suppression System [1 Power/round when active] 7
Cargo Holds: 200,000 cubic meters 6
Locations: Saucer port, saucer starboard, Engineering, 10 other locations
Escape Pods 9
Number: 160
Capacity: 8 persons per pod

PROPULSION SYSTEMS

Warp Drive
Nacelles: Type 6D9 108
Speed: 6.0/9.2/9.90 [1 Power/.2 warp speed]
PIS: Type H (12 hours of Maximum warp) 16

Impulse Engine
Type: Class 7 (.75c/.92c) [7/9 Power/round] 35
Location: Saucer aft port and starboard
Reaction Control System (.025c) [2 Power/round when in use] 7

POWER SYSTEMS

Warp Engine
Type: Class 11/Q (generates 595 Power/round) 125
Location: Engineering hull
Impulse Engine[s]: 1 Class 7 (generate 56 Power/engine/round)
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round) 12
Emergency Power: Type F (generates 50 Power/round) 50
EPS: Standard Power flow, +300 Power transfer/round 65

Standard Usable Power: 651

OPERATIONS SYSTEMS

Bridge: Saucer dorsal 35

Computers
Core 1: Saucer port [5 Power/round] 14
Core 2: Saucer starboard [5 Power/round] 14
Core 3: Engineering [5 Power/round] 14
Uprating: Class Beta (+2) [2 Power/computer/round] 12
ODN 21

Navigational Deflector [5 Power/round] 28
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Engineering forward, ventral of saucer

Sensor Systems
Long-range Sensors [5 Power/round] 63
Range Package: Type 7 (Accuracy 3/4/7/10)
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)
Strength Package: Class 9 (Strength 9)
Gain Package: Class Beta (+2)
Coverage: +3,000 substances/phenomena
Lateral Sensors [5 Power/round] 35
Strength Package: Class 9 (Strength 9)
Gain Package: Class Beta (+2)
Coverage: Standard
Coverage: +3,000 substances/phenomena
Navigational Sensors: [5 Power/round] 24
Strength Package: Class 9 (Strength 9)
Gain Package: Class Beta (+2)
Probes: 100 10

Sensors Skill: 5

Flight Control Systems
Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2
[1 Power/round in use] 11

- Navigational Computer
  - Main: Class 3 (+2) [2 Power/round] 4
  - Backups: 2 2
- Inertial Damping Field
  - Main 56
    - Strength: 9 [3 Power/round]
    - Number: 4
  - Backup 20
    - Strength: 9 [2 Power/round]
    - Number: 5
- Attitude Control [2 Power/round] 2

Communications Systems
- Type: Class 9 [2 Power/round] 24
  - Strength: 9
  - Security: -5
  - Basic Uprating: Class Beta (+2)
- Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] 12
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Delta [3 Power/Strength used/round] 12
  - Accuracy: 4/5/7/10
  - Location: Forward dorsal
- Emitter: Class Alpha [3 Power/Strength used/round] 3
  - Accuracy: 5/6/8/11
  - Location: Shuttlebay

Transporters
- Type: Personnel [5 Power/use] 68
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Three in saucer, one in Engineering hull
- Type: Emergency [7 Power/use] 68
  - Pads: 22
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Three in saucer, one in Engineering hull
- Type: Cargo [4 Power/use] 52
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Three in saucer, one in Engineering hull

Cloaking Device: None

Security Systems
- Rating: 4 16
- Anti-Intruder System: Yes [1 Power/round] 7
- Internal Force Fields [1 Power/3 Strength] 7

Science Systems
- Rating 3 (+2) [3 Power/round] 22
- Specialized Systems: 3 15
- Laboratories: 25 6

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array 48
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 200 (up to 5 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array 48
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 200 (up to 5 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral
  - Firing Arc: 405 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Phaser Array 23
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Aft Phaser Array 19
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 60 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering aft
  - Firing Arc: 360 degrees aft
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Starboard Pylon Phaser Array 19
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 60 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Starboard pylon
  - Firing Arc: 360 degrees starboard (substantial arc shadow)
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Port Pylon Phaser Array 19
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 60 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Port pylon
  - Firing Arc: 360 degrees port (substantial arc shadow)
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Aft Phaser Array 19
Type: X
Damage: 200 [20 Power]
Number of Emitters: 60 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering aft
Firing Arc: 360 degrees aft
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Pod Aft Phaser Array 15
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Sensor Pod aft
Firing Arc: 360 degrees aft
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Pod Forward Phaser Array 15
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Sensor pod forward
Firing Arc: 360 degrees forward (substantial arc shadow)
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Ventral Torpedo Launcher 17
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer ventral
Firing Arc: Forward, but are self-guided

Forward Dorsal Torpedo Launcher 17
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer dorsal
Firing Arc: Forward, but are self-guided

Aft Dorsal Torpedo Launcher 17
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Engineering aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 200 20

TA/T/TS: Class Gamma [2 Power/round] 12
Strength: 9
Bonus: +2

Weapons Skill: 5

Shields (Forward, Aft, Port, Starboard) 85 (x4)
Shield Generator: Class 5 (Protection 1000)
[100 Power/shield/round]
Shield Grid: Type C (50% increase to 1500 Protection)
Subspace Field Distortion Amplifiers: Class Eta (Threshold 330)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System 7

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 30 Size worth of ships 60
Standard Complement: 12 shuttlecraft, 6 shuttlepods
Location(s): Saucer aft

Captain's Yacht: Yes 10

DESCRIPTION AND NOTES

Fleet data: The *Nebula*-class Exploratory Cruiser is a close "relative" of the *Galaxy*-class Explorer, as can be seen from even a quick visual examination of the two ships. The *Nebula*'s saucer section, nacelles, and main deflector (among other systems), are all identical or strongly similar to those of the *Galaxy*-class, though some (such as the saucer) are smaller in size.

One significant physical difference between the two ships is the *Nebula*'s aft dorsal sensor pod. This pod expands its sensory capabilities, allowing it to routinely scan for substances and effects which even a *Galaxy*-class ship cannot easily detect. The pod can be configured for other uses as well; for example, a Tactical Pod might include two phaser arrays (or pulse phaser cannons) and two torpedo launchers. (This Template assumes the module is used for sensor systems.)

Thanks to its combination of advanced tactical and scientific systems, the *Nebula*-class has proven to be one of Starfleet's most successful starship designs. As of 2375, it is the most common modern-design large ship in the fleet.

(Note: This template represents an uprated version of the *Nebula*-class vessel. For the standard version, reduce its warp nacelles to Type 6D, and substitute the lower range figures for its photon torpedoes.)

Noteworthy vessels/service records/ encounters: *U.S.S. Nebula*, prototype; *U.S.S. Monitor*, NCC-61826, sent to observe suspected Romulan incursion on Nelvana III (2366); *U.S.S. Phoenix*, NCC-65420, attacked Cardassian ships under command of Captain Maxwell (2367); *U.S.S. Sutherland*, NCC-72015, participated in blockade of Duras faction during Klingon civil war under command

of Commander Data (2367-2368); *U.S.S. Bellerephon*, NCC-62048, destroyed in the Battle of Wolf 359 (2367); *U.S.S. Endeavor*, NCC-71805, served in blockade of Duras faction during Klingon civil war, survived the Battle of Wolf 359 with heavy damage (2367-68), *U.S.S. Farragut,* NCC-60591, destroyed by the Klingons near the Lembatta Cluster (2373). Also in service: *U.S.S. Hera*, NCC-62006, *U.S.S. Merrimack,* NCC-61827.

NEW ORLEANS CLASS

Class and Type: *New Orleans*-class Frigate
Commissioning Date: 2358

HULL SYSTEMS

Size: 6
Length: 360.74 meters
Beam: 258.66 meters
Height: 83.33 meters
Decks: 20
Mass: 1,650,000 metric tonnes
SUs Available: 2,150
SUs Used: 2,072

Hull
Outer 24
Inner 24

Resistance
Outer Hull: 8 9
Inner Hull: 8 9

Structural Integrity Field
Main: Class 4 (Protection 70/110)
[1 Power/10 Protection/round] 27
Backup: Class 4 (Protection 40)
[1 Power/10 Protection/round] 14
Backup: Class 4 (Protection 40)
[1 Power/10 Protection/round] 14

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 758/110/8,350

Crew Quarters
Spartan: None
Basic: 680 68
Expanded: 150 30
Luxury: 40 40
Unusual: 15 15

Environmental Systems
Basic Life Support [12 Power/round] 24
Reserve Life Support [6 Power/round] 12
Emergency Life Support (36 emergency shelters) 12
Gravity [3 Power/round] 6
Consumables: 2 years' worth 12
Food Replicators [6 Power/round] 6
Industrial Replicators 12
Type: Network of small replicators [2 Power/round]
Type: 2 large units [2 Power/replicator/round]
Medical Facilities: 7 (+2) [7 Power/round] 35
Recreation Facilities: 7 [14 Power/round] 56
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round] 18
Fire Suppression System [1 Power/round when active] 6
Cargo Holds: 100,000 cubic meters 3
Locations: Saucer port, saucer starboard, Engineering aft, 4 other locations
Escape Pods 8
Number: 140
Capacity: 8 persons per pod

PROPULSION SYSTEMS

Warp Drive
Nacelles: Type 5E3 76
Speed: 5.0/9.0/9.3 [1 Power/.2 warp speed]
PIS: Type H (12 hours of Maximum warp) 16

Impulse Engine
Type: Class 6 (.75c/.9c) [7/9 Power/round] 30
Acceleration Uprating: Class Alpha (66% acceleration)
[1 Power/round when active] 2
Location: Saucer port, saucer starboard

Impulse Engine
Type: Class 6 (.75c/.9c) [7/9 Power/round] 30
Acceleration Uprating: Class Alpha (66% acceleration)
[1 Power/round when active] 2
Location: Engineering
Reaction Control System (.025c) [2 Power/round when in use] 6

POWER SYSTEMS

Warp Engine
Type: Class 10/P (generates 535 Power/round) 114
Location: Engineering hull
Impulse Engine[s]: 2 Class 6 (generate 48 Power/engine/round)
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round) 12
Emergency Power: Type E (generates 45 Power/round) 45
EPS: Standard Power flow, +300 Power transfer/round 60

Standard Usable Power: 631

OPERATIONS SYSTEMS

Bridge: Saucer dorsal 30

Computers
Core 1: Saucer port [5 Power/round] 12
Core 2: Saucer starboard [5 Power/round] 12
Core 3: Engineering [5 Power/round] 12
Uprating: Class Alpha (+1) [1 Power/computer/round] 6
ODN 18

Navigational Deflector [5 Power/round] 24
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Engineering forward, ventral of saucer

Sensor Systems
Long-range Sensors [5 Power/round] 39
Range Package: Type 5 (Accuracy 3/4/7/10)
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)
Strength Package: Class 8 (Strength 8)
Gain Package: Class Alpha (+1)
Coverage: Standard
Lateral Sensors [5 Power/round] 19
Strength Package: Class 8 (Strength 8)
Gain Package: Class Alpha (+1)
Coverage: Standard
Navigational Sensors: [5 Power/round] 18
Strength Package: Class 8 (Strength 8)
Gain Package: Class Alpha (+1)
Probes: 40 4

Sensors Skill: 4

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 3 [1 Power/round in use] 12
- Navigational Computer
  - Main: Class 3 (+2) [2 Power/round] 4
  - Backups: 2 2
- Inertial Damping Field
  - Main 36
    - Strength: 9 [3 Power/round]
    - Number: 3
  - Backup 9
    - Strength: 6 [2 Power/round]
    - Number: 3
- Attitude Control [1 Power/round]

Communications Systems
- Type: Class 8 [2 Power/round] 22
  - Strength: 8
  - Security: -3
  - Basic Uprating: Class Beta (+1)
- Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] 12
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Delta [3 Power/Strength used/round] 12
  - Accuracy: 4/5/7/10
  - Location: forward dorsal
- Emitter: Class Alpha [3 Power/Strength used/round] 3
  - Accuracy: 5/6/8/11
  - Location: Shuttlebay

Transporters
- Type: Personnel [5 Power/use] 64
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: Two in saucer, two in Engineering hull
- Type: Emergency [7 Power/use] 64
  - Pads: 22
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: Two in saucer, two in Engineering hull
- Type: Cargo [4 Power/use] 48
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: Two in saucer, two in Engineering hull

Cloaking Device: None

Security Systems
- Rating: 4 16
- Anti-Intruder System: Yes [1 Power/round] 6
  - Internal Force Fields [1 Power/3 Strength] 6

Science Systems
- Rating 2 (+1) [2 Power/round] 16
- Specialized Systems: 2 10
- Laboratories: 15 4

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array 44
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 200 (up to 5 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array 44
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 200 (up to 5 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral
  - Firing Arc: 405 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Aft Dorsal Phaser Array 21
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer aft dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Forward Ventral Phaser Array 21
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering forward ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Amidships Starboard Ventral Phaser Array 12
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering amidships ventral starboard
  - Firing Arc: 180 degrees starboard ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Amidships Port Ventral Phaser Array 12
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering amidships ventral port
  - Firing Arc: 180 degrees port ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Dorsal Starboard Torpedo Launcher **27**
Standard Load: Type VI photon torpedo (200 Damage)
Spread: 12
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Starboard dorsal
Firing Arc: Forward, but are self-guided

Forward Dorsal Port Torpedo Launcher **27**
Standard Load: Type VI photon torpedo (200/500 Damage)
Spread: 12
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Port dorsal
Firing Arc: Forward, but are self-guided

Forward Ventral Torpedo Launcher **27**
Standard Load: Type VI photon torpedo (200/500 Damage)
Spread: 12
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Ventral, beneath Engineering hull
Firing Arc: Forward, but are self-guided

Aft Starboard Torpedo Launcher **16**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Engineering hull aft starboard
Firing Arc: Aft, but are self-guided

Aft Port Torpedo Launcher **16**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Engineering hull aft port
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 260 **26**

TA/T/TS: Class Beta [1 Power/round] **9**
Strength: 8
Bonus: +1

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **72 (x4)**
Shield Generator: Class 5 (Protection 950) [95 Power/round]
Shield Grid: Type C (50% increase to 1425 Protection)
Subspace Field Distortion Amplifiers: Class Eta (Threshold 310)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **6**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 20 Size worth of ships **40**
Standard Complement: 8 shuttlecraft, 4 shuttlepods
Location(s): Saucer aft port and starboard

Captain's Yacht: Yes **10**

DESCRIPTION AND NOTES

Fleet data: Designed during a period of tension with the Cardassian Union, the *New Orleans*-class Frigate is a vessel designed primarily for military uses—capital ship support, caravan escort, and even outright combat. Armed with six phaser arrays and five torpedo launchers (including three high-capacity, high-yield "torpedo cannons" mounted above the saucer and below the Engineering hull, capable of firing Type VI torpedoes at full effect), and equipped with strong shields, it's a tough, maneuverable combatant which has scored more than its share of kills during the Cardassian and Dominion conflicts.

The *New Orleans*-class's design derives in large part from that of the *Galaxy*-class Explorer. The two share very similar saucers, warp nacelles, and Engineer hulls (though Engineering is longer on the *New Orleans*-class, and the connecting interhull section is much shorter). Although it has no saucer separation feature, the ship has a second impulse engine to generate Power and act as a backup.

In light of the *New Orleans*-class's performance in the Dominion War, some officer in Starfleet Command have recommended that the ship receive a package of tactical upgrades and become a key component in the Federation's post-War defense strategy. Proposed upgrades include ablative armor, converting the phasers to Type X emitters, and possibly even regenerative shielding (the latter would probably necessitate installing a slightly larger warp engine for additional Power).

Noteworthy vessels/service records/ encounters: *U.S.S. New Orleans,* prototype; *U.S.S. Kyushu,* NCC-65491, destroyed during the Battle of Wolf 359 (2368); *U.S.S. Renegade,* NCC-63102, commanded by Captain Tryla Scott,

rendezvoused with *U.S.S. Enterprise–D* during attempted alien takeover of Starfleet Command (2364); *U.S.S. Thomas Paine,* NCC-65530, commanded by Captain Rixx, rendezvoused with *U.S.S. Enterprise–D* during attempted alien takeover of Starfleet Command (2364); *U.S.S. Santa Fe,* NCC-64287, assigned to interdiction duty in Deneb Sector, destroyed by Jem'Hadar attack (2367-2374), *U.S.S. Rutledge,* NCC-57295, served in Cardassian war, early posting of Miles O'Brien. Also in service: *U.S.S. Herbert, U.S.S. Jefferson, U.S.S. Savannah*.

NIAGARA CLASS

Class and Type: *Niagara*-class Fast Cruiser

Commissioning Date: 2349

HULL SYSTEMS

Size: 7
- Length: 450.5 meters
- Beam: 264.79 meters
- Height: 156.44 meters
- Decks: 33
- Mass: 2,350,000 metric tonnes
- SUs Available: 2,050
- SUs Used: 1,939

Hull

Outer	28
Inner	28

Resistance

Outer Hull: 6	6
Inner Hull: 6	6

Structural Integrity Field

Main: Class 5 (Protection 80/120)	
[1 Power/10 Protection/round]	31
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	16
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	16

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 585/120/7,350

Crew Quarters

Spartan: None	
Basic: 530	53
Expanded: 95	19
Luxury: 50	50
Unusual: 25	25

Environmental Systems

Basic Life Support [11 Power/round]	28
Reserve Life Support [6 Power/round]	14
Emergency Life Support (36 emergency shelters)	14
Gravity [4 Power/round]	7
Consumables: 2 years' worth	14
Food Replicators [7 Power/round]	7
Industrial Replicators	13
Type: Network of small replicators [2 Power/round]	
Type: 2 large units [2 Power/replicator/round]	
Medical Facilities: 8 (+2) [8 Power/round]	40
Recreation Facilities: 7 [14 Power/round]	56
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	21
Fire Suppression System [1 Power/round when active]	7
Cargo Holds: 166,000 cubic meters	5
Locations: Saucer port, saucer starboard, Engineering, 6 other locations	
Escape Pods	9
Number: 140	
Capacity: 10 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6C6	103
Speed: 6.0/9.0/9.6 [1 Power/.2 warp speed]	
PIS: Type I (16 hours of Maximum warp)	18

Impulse Engine

Type: Class 8 (.75c/.95c) [7/9 Power/round]	40
Acceleration Uprating: Class Beta (75% acceleration) [2 Power/round when active]	4
Location: Saucer aft port and starboard	

Impulse Engine

Type: Class 8 (.75c/.95c) [7/9 Power/round]	40
Acceleration Uprating: Class Beta (75% acceleration) [2 Power/round when active]	4
Location: Engineering aft	
Reaction Control System (.025c) [2 Power/round when in use]	7

POWER SYSTEMS

Warp Engine

Type: Class 6/K (generates 345 Power/round)	75
Location: Engineering hull	
Impulse Engine[s]: 2 Class 8 (generate 64 Power/engine/round)	
Auxiliary Power: 3 reactors (generate 5 Power/reactor/round)	9
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +300 Power transfer/round	65

Standard Usable Power: 473

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	35

Computers

Core 1: Saucer starboard [5 Power/round]	14
Core 2: Saucer port [5 Power/round]	14
Core 3: Engineering [5 Power/round]	14
Uprating: Class Alpha (+1) [1 Power/computer/round]	6
ODN	21

Navigational Deflector [5 Power/round]	**28**
Range: 10/20,000/50,000/150,000	
Accuracy: 5/6/8/11	
Location: Engineering forward, ventral of saucer	

Sensor Systems

Long-range Sensors [5 Power/round]	52
Range Package: Type 7 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)	
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)	
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	24
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	22
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Probes: 60	6

Sensors Skill: 4

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2 [1 Power/round in use] — 11
- Navigational Computer
  - Main: Class 3 (+2) [2 Power/round] — 4
  - Backups: 2 — 2
- Inertial Damping Field
  - Main — 56
    - Strength: 9 [3 Power/round]
    - Number: 4
  - Backup — 16
    - Strength: 6 [2 Power/round]
    - Number: 4
- Attitude Control [2 Power/round] — 2

Communications Systems
- Type: Class 8 [2 Power/round] — 19
  - Strength: 8
  - Security: -3
  - Basic Uprating: Class Alpha (+1)
- Emergency Communications: Yes [2 Power/round] — 1

Tractor Beams
- Emitter: Class Gamma [3 Power/Strength used/round] — 9
  - Accuracy: 4/5/7/10
  - Location: Forward ventral
- Emitter: Class Gamma [3 Power/Strength used/round] — 9
  - Accuracy: 4/5/7/10
  - Location: Aft dorsal
- Emitter: Class Alpha [3 Power/Strength used/round] — 3
  - Accuracy: 5/6/8/11
  - Location: Shuttlebay

Transporters
- Type: Personnel [5 Power/use] — 68
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Two in saucer, two in Engineering hull
- Type: Emergency [5 Power/use] — 64
  - Pads: 20
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Two in saucer, two in Engineering hull
- Type: Cargo [4 Power/use] — 36
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: One in saucer, one in Engineering hull

Cloaking Device: None

Security Systems
- Rating: 3 — 12
- Anti-Intruder System: Yes [1 Power/round] — 7
  - Internal Force Fields [1 Power/3 Strength] — 7

Science Systems
- Rating 2 (+1) [2 Power/round] — 17
- Specialized Systems: 1 — 5
- Laboratories: 10 — 2

TACTICAL SYSTEMS

Saucer Dorsal Forward Phaser Array — 21
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal forward
  - Firing Arc: 200 degrees forward dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Aft Starboard Phaser Array — 14
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal aft starboard
  - Firing Arc: 200 degrees dorsal starboard
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Aft Port Phaser Array — 14
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal aft port
  - Firing Arc: 200 degrees dorsal port
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Forward Phaser Array — 21
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral forward
  - Firing Arc: 200 degrees forward ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Aft Starboard Phaser Array — 14
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral aft starboard
  - Firing Arc: 200 degrees ventral starboard
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Aft Port Phaser Array — 14
- Type: IX
  - Damage: 180 [18 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral aft port
  - Firing Arc: 200 degrees ventral port
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Dorsal Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward dorsal
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 100 **10**

TA/T/TS: Class Alpha [0 Power/round] **6**
Strength: 7
Bonus: +0

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) **59 (x4)**
Shield Generator: Class 4 (Protection 700)
[70 Power/shield/round]
Shield Grid: Type C (50% increase to 1050 Protection)
Subspace Field Distortion Amplifiers: Class Epsilon (Threshold 225)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **7**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 15 Size worth of ships **30**
Standard Complement: 6 shuttlecraft, 3 shuttlepods
Location(s): Aft

Captain's Yacht: Yes **10**

DESCRIPTION AND NOTES

Fleet data: Taking advantage of knowledge and experience gained from creating the *Istanbul*-class Fast Cruiser and the early work on the *Galaxy*-class Explorer, the Advanced Starship Design Bureau decided to create another Fast Cruiser to complement the *Istanbul*. They kept its unusual three-nacelle configuration, but reversed it. Two nacelles are above the saucer and aft, and one is directly ventral the Engineering hull (which was adapted from the *Ambassador*-class Explorer and allows the ship to carry more cargo than most Fast Cruisers, as well as a second impulse engine for extra power or emergency use). They christened their new creation the *Niagara*-class Fast Cruiser.

Compared to the *Istanbul*-class, the *Niagara*-class is faster, but much less well-armed. It has only six small phaser arrays, all located on the saucer; due to their size and placement no single one of them covers the full 405-degree angle common to saucer phasers, but together they provide complete coverage of both sides of the vessel, with some overlap.

Niagara-class Fast Cruisers are common sights at diplomatic conferences, trade agreements negotiations, and similar events. Their speed, relatively luxurious accomodations, and light armament makes them the favorite of many diplomats.

Noteworthy vessels/service records/encounters: *U.S.S. Niagara,* prototype; *U.S.S. Princeton,* NCC-58904, destroyed in the Battle of Wolf 359 (2368); *U.S.S. Wellington,* NCC-28473, former posting of Ro Laren; *U.S.S. Wells,* NCC-39217, currently assigned to diplomatic duties in Sector 001; *U.S.S. Thims,* NCC-59015, served as primary diplomatic transport during Cardassian peace talks (2366-2368), *U.S.S. Raleigh,* NCC-51378, served as location of negotiations which established the Rigellian Trade Accords (2359). Also in service: *U.S.S. Fairfax,* NCC-39643; *U.S.S. Joshua Tree,* NCC-56676; *U.S.S. T'Pavis,* NCC-60023.

NORWAY CLASS

Class and Type: *Norway*-class Fast Frigate

Commissioning Date: 2369

HULL SYSTEMS

Size: 6
- Length: 364.77 meters
- Beam: 225.61 meters
- Height: 52.48 meters
- Decks: 10
- Mass: 622,000 metric tonnes
- SUs Available: 2,150
- SUs Used: 2,050

Hull

Outer	24
Inner	24

Resistance

Outer Hull: 6	6
Inner Hull: 6	6

Structural Integrity Field

Main: Class 6 (Protection 90/130)	
[1 Power/10 Protection/round]	33
Backup: Class 6 (Protection 50)	
[1 Power/10 Protection/round]	17
Backup: Class 6 (Protection 50)	
[1 Power/10 Protection/round]	17

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 190/80/500

Crew Quarters

Spartan: None	
Basic: 170	17
Expanded: 50	10
Luxury: 20	20
Unusual: 5	5

Environmental Systems

Basic Life Support [8 Power/round]	24
Reserve Life Support [4 Power/round]	12
Emergency Life Support (36 emergency shelters)	12
Gravity [3 Power/round]	6
Consumables: 2 years' worth	12
Food Replicators [6 Power/round]	6
Industrial Replicators	15
Type: Network of small replicators [2 Power/round]	
Type: 3 large units [2 Power/replicator/round]	
Medical Facilities: 9 (+2) [9 Power/round]	45
EMH: Mark I [2 Power/round when active]	5
Recreation Facilities: 6 [12 Power/round]	48
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	18
Fire Suppression System [1 Power/round when active]	6
Cargo Holds: 100,000 cubic meters	3
Locations: Saucer aft port and starboard, 4 other locations	
Escape Pods	8
Number: 140	
Capacity: 6 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6D7	106
Speed: 6.0/9.2/9.7 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 8 (.75c/.95c) [7/9 Power/round]	40
Acceleration Uprating: Class Alpha (66% acceleration)	
[1 Power/round when active]	2
Location: Saucer aft port and starboard	
Reaction Control System (.025c) [2 Power/round when in use]	6

POWER SYSTEMS

Warp Engine

Type: Class 11/Q (generates 575 Power/round)	123
Location: Saucer aft amidships	
Impulse Engine[s]: 1 Class 8 (generate 64 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +300 Power transfer/round	60

Standard Usable Power: 639

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	30
Auxiliary Control Room: Battle bridge, saucer aft	18

Computers (Bio-Neural)

Core 1: Saucer port [5 Power/round]	18
Core 2: Saucer starboard [5 Power/round]	18
Uprating: Class Beta (+2) [2 Power/computer/round]	8
ODN	18

Navigational Deflector [5 Power/round] **24**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Saucer dorsal

Sensor Systems

Long-range Sensors [5 Power/round]	52
Range Package: Type 7 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)	
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)	
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	24
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	22
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Probes: 120	12

Sensors Skill: 5

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 4, Coordination 4	
[1 Power/round in use]	16

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Navigational Computer
- Main: Class 3 (+2) [2 Power/round] — 4
- Primary Backup: Class 3 (+2) [2 Power/round] — 4

Secondary Backups: 2 — 2

Inertial Damping Field
- Main — 56
  - Strength: 9 [3 Power/round]
  - Number: 4
- Backup — 16
  - Strength: 6 [2 Power/round]
  - Number: 4

Attitude Control [2 Power/round] — 2

Specialized Flight Control: Manual steering column [1 Power/round in use] — **1**

Communications Systems
- Type: Class 9 [2 Power/round] — 24
  - Strength: 9
  - Security: -4
  - Basic Uprating: Class Beta (+2)
- Emergency Communications: Yes [2 Power/round] — 1
- Holocommunications: Yes — 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Forward dorsal
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Forward ventral
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Aft dorsal
- Emitter: Class Alpha [3 Power/Strength used/round] — 3
  - Accuracy: 5/6/8/11
  - Location: Shuttlebay

Transporters
- Type: Personnel [4 Power/use] — 68
  - Pads: 4
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: Four in saucer
- Type: Emergency [6 Power/use] — 68
  - Pads: 20
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: Four in saucer
- Type: Cargo [4 Power/use] — 56
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: Four in saucer

Cloaking Device: None

Security Systems
- Rating: 4 — 16
- Anti-Intruder System: Yes [1 Power/round] — 6
- Internal Force Fields [1 Power/3 Strength] — 6

Science Systems
- Rating 3 (+2) [3 Power/round] — 21
- Specialized Systems: 2 — 10
- Laboratories: 17 — 4

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array — **41**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 180 (up to 4 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array — **40**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 180 (up to 4 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Port Pylon Dorsal Phaser Array — **26**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 100 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Port pylon dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Port Pylon Ventral Phaser Array — **26**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 100 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Port pylon ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Starboard Pylon Dorsal Phaser Array — **26**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 100 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Port pylon dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Starboard Pylon Ventral Phaser Array — **26**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 100 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Port pylon ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Torpedo Launcher **18**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Forward
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher **18**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 120 **12**

TA/T/TS: Class Gamma [2 Power/round] **12**
Strength: 9
Bonus: +2

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **73 (x4)**
Shield Generator: Class 5 (Protection 1000)
[100 Power/shield/round]
Shield Grid: Type C (50% increase to 1500 Protection)
Subspace Field Distortion Amplifiers: Class Zeta (Threshold 300)
Recharging System: Class 2 (40 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **6**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 10 Size worth of ships **20**
Standard Complement: 4 shuttlecraft, 2 shuttlepods
Location(s): Saucer aft

Captain's Yacht: Yes **10**

DESCRIPTION AND NOTES

Fleet data: The third of the Perimeter Defense Directive ships to launch, the *Norway*-class Fast Frigate represents the epitome of Starfleet's current automation technology. Unlike most ships of its size, which have 400-600 crewpersons, it has less than 200 due to the extensive use of automation and advanced systems on the ship. Among other things, it boasts a bio-neural computer network, advanced tactical and sensory systems, an EMH, and a holocommunications system. Its technological sophistication also shows in its use of redundant backup systems; for example, it has a fully functional auxiliary control room and a primary backup navigational computer as good as its standard models.

Due to its powerful warp drive and impulse systems, the *Norway*-class is a fast, highly maneuverable ship well suited to its usual perimeter defense and patrol and threat response duties. The *Norway*'s deceptively simply design—a blunt arrowhead-shaped saucer with two fin-shaped nacelle pylons projecting from its aft side—hides a potent offensive punch in the form of six Type X phaser arrays. However, compared to the *Akira*-class and *Steamrunner*-class ships, it is woefully underpowered in the torpedo department. Starfleet Command is considering uprating the class to add ablative armor, pulse phaser cannons, and more torpedo launchers (since only two dozen ships of the class have been produced so far, all of which survived the Dominion War, uprating the entire class would not prove difficult or costly).

Noteworthy vessels/service records/encounters: *U.S.S. Norway,* prototype; *U.S.S. Budapest,* NCC-64923, defended Earth against Borg attack (2373); *U.S.S. Prague,* NCC-65001, assigned to perimeter action duties in Sector 001 (2374-present); *U.S.S. Denmark,* NCC-65013, currently assigned to deep frontier patrol (2375), *U.S.S. Luxembourg,* NCC-65054, destroyed in the Battle of Tyra (2374). Also in service: *U.S.S. Belgium,* NCC-65073, *U.S.S. Arian,* NCC-65110, *U.S.S. Triumph,* NCC-65129.

NOVA CLASS

Class and Type: *Nova*-class Research/Laboratory Vessel

Commissioning Date: 2370

HULL SYSTEMS

Size: 5
- Length: 160.64 meters
- Beam: 42.78 meters
- Height: 34.55 meters
- Decks: 8
- Mass: 210,000 metric tonnes
- SUs Available: 1,525
- SUs Used: 1,440

Hull
- Outer 20
- Inner 20

Resistance
- Outer Hull: 6 6
- Inner Hull: 6 6

Structural Integrity Field
- Main: Class 3 (Protection 60/90)
  - [1 Power/10 Protection/round] 23
- Backup: Class 3 (Protection 30)
  - [1 Power/10 Protection/round] 12
- Backup: Class 3 (Protection 30)
  - [1 Power/10 Protection/round] 12

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 78/25/610

Crew Quarters
- Spartan: None
- Basic: 65 7
- Expanded: 15 3
- Luxury: 4 4
- Unusual: 8 8

Environmental Systems
- Basic Life Support [6 Power/round] 20
- Reserve Life Support [3 Power/round] 10
- Emergency Life Support (24 emergency shelters) 10
- Gravity [2 Power/round] 5
- Consumables: 2 years' worth 10
- Food Replicators [5 Power/round] 5
- Industrial Replicators 8
  - Type: Network of small replicators [2 Power/round]
  - Type: 1 large unit [2 Power/replicator/round]
- Medical Facilities: 8 (+2) [8 Power/round] 40
- EMH: Mark I [2 Power/round when active] 5
- Recreation Facilities: 4 [8 Power/round] 32
- Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round] 15
- Fire Suppression System [1 Power/round when active] 5
- Cargo Holds: 66,000 cubic meters 2
  - Locations: Saucer port, saucer starboard, Engineering, 2 other locations
- Escape Pods 6
  - Number: 120
  - Capacity: 4 persons per pod

PROPULSION SYSTEMS

Warp Drive
- Nacelles: Type 6 80
  - Speed: 6.0/7.0/8.0 [1 Power/.2 warp speed]
  - PIS: Type I (18 hours of Maximum warp) 18

Impulse Engine
- Type: Class 6 (.75c/.9c) [7/9 Power/round] 30
  - Acceleration Uprating: Class Alpha (66% acceleration) [1 Power/round when active] 2
  - Location: Saucer aft, port and starboard
- Reaction Control System (.025c) [2 Power/round when in use] 4

POWER SYSTEMS

Warp Engine
- Type: Class 5/H (generates 280 Power/round) 63
  - Location: Engineering section
- Impulse Engine[s]: 1 Class 6 (generate 48 Power/engine/round)
- Auxiliary Power: 2 reactors (generate 5 Power/reactor/round) 6
- Emergency Power: Type C (generates 35 Power/round) 35
- EPS: Standard Power flow, +100 Power transfer/round 35

Standard Usable Power: 328

OPERATIONS SYSTEMS

- Bridge: Saucer dorsal 25

Computers
- Core 1: Saucer [5 Power/round] 10
- Core 2: Engineering [5 Power/round] 10
- ODN 15

Navigational Deflector [5 Power/round] 20
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
  - Location: Engineering forward, ventral of saucer

Sensor Systems
- Long-range Sensors [5 Power/round] 64
  - Range Package: Type 7 (Accuracy 3/4/7/10)
  - High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)
  - Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)
  - Strength Package: Class 9 (Strength 9)
  - Gain Package: Class Beta (+2)
  - Coverage: +4000 substances/phenomena
- Lateral Sensors [5 Power/round] 36
  - Strength Package: Class 9 (Strength 9)
  - Gain Package: Class Beta (+2)
  - Coverage: +4000 substances/phenomena
- Navigational Sensors: [5 Power/round] 22
  - Strength Package: Class 9 (Strength 9)
  - Gain Package: Class Beta (+2)
- Probes: 200 20

Sensors Skill: 5

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2 [1 Power/round in use] 11

Navigational Computer
- Main: Class 2 (+1) [1 Power/round] 2
- Backups: 2 2

Inertial Damping Field
- Main 30
  - Strength: 8 [3 Power/round]
  - Number: 3
- Backup 9
  - Strength: 5 [2 Power/round]
  - Number: 3

Attitude Control [1 Power/round] 1

Communications Systems
- Type: Class 8 [2 Power/round] 19
  - Strength: 8
  - Security: -3
  - Basic Uprating: Class Alpha (+1)
- Holocommunications: Yes 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] 12
  - Accuracy: 4/5/7/10
  - Location: Forward
- Emitter: Class Delta [3 Power/Strength used/round] 12
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] 3
  - Accuracy: 5/6/8/11
  - Location: Shuttlebay

Transporters
- Type: Personnel [4 Power/use] 48
  - Pads: 4
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: 2 in saucer, 1 in Engineering
- Type: Emergency [5 Power/use] 43
  - Pads: 14
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: 2 in saucer, 1 in Engineering
- Type: Cargo [4 Power/use] 26
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: 2 in saucer

Cloaking Device: None

Security Systems
- Rating: 2 8
- Anti-Intruder System: Yes [1 Power/round] 5
- Internal Force Fields [1 Power/3 Strength] 5

Science Systems
- Rating 4 (+3) [5 Power/round] 25
- Specialized Systems: 3 15
- Laboratories: 26 6

TACTICAL SYSTEMS

Saucer Dorsal Starboard Phaser Array **26**
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal starboard
  - Firing Arc: 200 degrees starboard dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Port Phaser Array **26**
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal port
  - Firing Arc: 200 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Aft Dorsal Starboard Phaser Array **12**
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer aft dorsal starboard
  - Firing Arc: 200 degrees starboard dorsal (substantial arc shadow)
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Aft Dorsal Port Phaser Array **12**
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer aft dorsal port
  - Firing Arc: 200 degrees dorsal (substantial arc shadow)
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Starboard Phaser Array **26**
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral starboard
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Port Phaser Array **26**
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral port
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Aft Ventral Starboard Phaser Array **12**
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal starboard
Firing Arc: 200 degrees starboard dorsal (substantial arc shadow)
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Aft Ventral Port Phaser Array **12**
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal port
Firing Arc: 200 degrees dorsal (substantial arc shadow)
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Phaser Array **12**
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Starboard Phaser Array **12**
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering dorsal starboard
Firing Arc: 200 degrees dorsal starboard (substantial arc shadow)
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Port Phaser Array **12**
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering dorsal port
Firing Arc: 200 degrees dorsal port (substantial arc shadow)
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Ventral Torpedo Launcher **14**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral
Firing Arc: Forward, but are self-guided

Torpedoes Carried: 30 **3**

TA/T/TS: Class Alpha [0 Power/round] **6**
Strength: 7
Bonus: +0

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) **35 (x4)**
Shield Generator: Class 2 (Protection 500)
[50 Power/shield/round]
Shield Grid: Type B (33% increase to 665 Protection)
Subspace Field Distortion Amplifiers: Class Gamma (Threshold 150)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System **5**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 4 Size worth of ships **8**
Standard Complement: 1 shuttlecraft, 2 shuttlepods
Location(s): Aft

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The *Nova*-class Research/Laboratory ship has an intriguing design history. Originally planned as a supplement to, or extension of, the *Galaxy*-class Explorer line, Starfleet envisioned it as a more dedicated exploration and research vessel, with fewer of the military capabilities of the *Galaxy,* but more advanced sensors and scientific systems. However, following the conclusion of the Federation-Cardassian War, Starfleet Command decided to scrap the existing Nova Class Design Project in favor of an as-yet undetermined smaller design.

At about this same time, designers working on the Defiant Development Project were reaching a turning point in their work. The ASDB rejected several of their initial, more traditional, proposed designs on the grounds they were not appropriate for the heavy escort role envisioned for the *Defiant*-class ship. Starfleet wanted something more compact and streamlined. Fortunately, members of the Nova Project chanced across some of the shelved Defiant designs and realized that one of them, a small vessel with an arrowhead-shaped saucer section and two dorsal nacelle pylons, was perfect for their own needs. They took that design, refined and revised it slightly, and soon got Starfleet Command to accept it as the *Nova*-class ship.

The *Nova* is a planetary and scientific survey vessel designed primarily for short-range missions. Equipped with Starfleet's most advanced scientific systems, including dedicated biological and astronomical laboratories, it can perform virtually any sort of scientific experiment or procedure known to the Federation. It's particularly useful for planetary and cosmic surveys within Federation space and as an onsite specialist craft for Starfleet-directed research. However, it has limited propulsion, weapons, and crew support systems, making it unsuitable for long-term

missions away from starbases or larger support craft.

Noteworthy vessels/service records/ encounters: *U.S.S. Nova,* prototype; *U.S.S. Equinox,* NCC-72381, lost under the command of Captain Rudolph Ransom while surveying a comet-washed asteroid belt in the Burke Expanse, later discovered to have been kidnapped by the Caretaker and abandoned in the Delta Quadrant (2371), encountered the *U.S.S. Voyager* and was destroyed (2376); *U.S.S. Helix,* NCC-71954, conducted biological survey of the Idran System and several other Gamma Quadrant systems (2372). Also in service: *U.S.S. VanDenBroeck,* NCC-69178; *U.S.S. K'shal,* NCC-73105, *U.S.S. Aurora,* NCC-74692, *U.S.S. Binary,* NCC-74695, *U.S.S. Nadir,* NCC-74803, *U.S.S. Pulsar,* NCC-74829, *U.S.S. Solstice,* NCC-74854.

OBERTH CLASS

Class and Type: *Oberth*-class Surveyor

Commissioning Date: 2275

HULL SYSTEMS

Size: 4
- Length: 120.25 meters
- Beam: 55.73 meters
- Height: 25.3 meters
- Decks: 4
- Mass: 147,800 metric tonnes
- SUs Available: 1,075
- SUs Used: 1,013

Hull

Outer	16
Inner	16

Resistance

Outer Hull: 4	3
Inner Hull: 4	3

Structural Integrity Field

Main: Class 3 (Protection 60/90)	
[1 Power/10 Protection/round]	19
Backup: Class 3 (Protection 30)	
[1 Power/10 Protection/round]	10
Backup: Class 3 (Protection 30)	
[1 Power/10 Protection/round]	10

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 80/34/625

Crew Quarters

Spartan: None	
Basic: 65	7
Expanded: 25	5
Luxury: 10	10
Unusual: 3	3

Environmental Systems

Basic Life Support [8 Power/round]	16
Reserve Life Support [4 Power/round]	8
Emergency Life Support (24 emergency shelters)	8
Gravity [2 Power/round]	4
Consumables: 2 years' worth	8
Food Replicators [4 Power/round]	4
Industrial Replicators	10
Type: Network of small replicators [2 Power/round]	
Type: 2 large units [2 Power/replicator/round]	
Medical Facilities: 5 (+1) [5 Power/round]	25
Recreation Facilities: 5 [10 Power/round]	40
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	12
Fire Suppression System [1 Power/round when active]	4
Cargo Holds: 33,000 cubic meters	1
Locations: Saucer port, saucer starboard, Engineering hull amidships	
Escape Pods	5
Number: 100	
Capacity: 4 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 5E6	78
Speed: 5.0/9.2/9.6 [1 Power/.2 warp speed]	
PIS: Type C (6 hours of Maximum warp)	6
Uprating: Package 2 (+0.2 for Sustainable)	4

Impulse Engine

Type: Class 3A (.5c/.75c) [5/7 Power/round]	18
Location: Saucer aft, port and starboard	
Reaction Control System (.025c) [2 Power/round when in use]	4

POWER SYSTEMS

Warp Engine

Type: Class 4/G (generates 240 Power/round)	54
Location: Engineering hull	
Impulse Engine[s]: 1 Class 3A (generate 28 Power/engine/round)	
Auxiliary Power: 3 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type C (generates 35 Power/round)	35
EPS: Standard Power flow, +180 Power transfer/round	38

Standard Usable Power: 268

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	20

Computers

Core 1: Saucer [5 Power/round]	8
Core 2: Engineering [5 Power/round]	8
Uprating: Class Alpha (+1) [1 Power/computer/round]	4
ODN	12

Navigational Deflector [5 Power/round] 16
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Saucer forward

Sensor Systems

Long-range Sensors [5 Power/round]	45
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Alpha (+1)	
Coverage: +2000 substances/phenomena	
Lateral Sensors [5 Power/round]	25
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Alpha (+1)	
Coverage: +2000 substances/phenomena	
Navigational Sensors: [5 Power/round]	18
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Alpha (+1)	
Probes: 160	16

Sensors Skill: 4

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2	
[1 Power/round in use]	11

Navigational Computer
Main: Class 2 (+1) [1 Power/round] 2
Backups: 2 2
Inertial Damping Field
Main 24
Strength: 9 [3 Power/round]
Number: 3
Backup 6
Strength: 6 [2 Power/round]
Number: 3
Attitude Control [1 Power/round] 1

Communications Systems
Type: Class 6 [2 Power/round] 12
Strength: 6
Security: -2

Tractor Beams
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Forward
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Aft ventral

Transporters
Type: Personnel [5 Power/use] 32
Pads: 6
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: One in saucer, one in Engineering
Type: Emergency [4 Power/use] 26
Pads: 12
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: One in saucer, one in Engineering
Type: Cargo [4 Power/use] 24
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: One in saucer, one in Engineering

Cloaking Device: None

Security Systems
Rating: 2 8
Anti-Intruder System: Yes [1 Power/round] 4
Internal Force Fields [1 Power/3 Strength] 4

Science Systems
Rating 3 (+2) [3 Power/round] 19
Specialized Systems: 3 15
Laboratories: 18 4

TACTICAL SYSTEMS

Forward Phaser Array **15**
Type: VI
Damage: 120 [12 Power]
Number of Emitters: 80 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 5/6/8/11
Range: 10/30,000/100,000/300,000
Location: Forward
Firing Arc: 360 degrees forward
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Phaser Array **15**
Type: VI
Damage: 120 [12 Power]
Number of Emitters: 80 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 5/6/8/11
Range: 10/30,000/100,000/300,000
Location: Aft
Firing Arc: 360 degrees aft
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

TA/T/TS: Class Alpha [0 Power/round] **6**
Strength: 7
Bonus: +0

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) **21 (x4)**
Shield Generator: Class 2 (Protection 250)
[25 Power/shield/round]
Shield Grid: Type B (33% increase to 333 Protection)
Subspace Field Distortion Amplifiers: Class Beta (Threshold 80)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System **4**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 4 Size worth of ships **8**
Standard Complement: 2 shuttlecraft
Location(s): Saucer aft

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The *Oberth*-class of science vessels has served in the forefront of Starfleet's explorations and science programs for nearly a century. Although no longer the cutting-edge ship it once was, it still contributes to the expansion of the Federation's body of scientific knowledge through its investigation and exploration of stellar anomalies, alien biospheres, and other phenomena.

The *Oberth*'s appearance is quite unusual. It consists of a cylindrical Engineering hull suspended beneath a saucer section by means of the nacelle pylons. Thus, the warp nacelles are attached directly to the port and starboard sides of the saucer. The ship is extremely lightly armed; although it has no torpedo launchers, it does have systems for launching probes.

With the advent of the *Nova*-class, *Korolev*-class, and similar new science vessels, the *Oberth*'s age is beginning to show. As each ship comes up for refits, Starfleet retires it, relegating it to the scrap heap or donating it to civilian science organizations. Within 20 years there will be no more *Oberth*-class vessels in the fleet.

Noteworthy vessels/service records/ encounters: *U.S.S. Oberth,* NCC-602, prototype; *U.S.S. Grissom,* NCC-638, destroyed on survey mission by Klingon incursion while investigating Genesis planet (2285); *U.S.S. Vico,* NAR-18834, lost in Black Cluster (2368); *U.S.S. Tsiolkovsky,* NCC-53911, crew died under effects of Psi 2000 virus, ship recovered (2366); *U.S.S. Raman,* NCC-59983, lost in atmosphere of Marijne VII (2370); *U.S.S. Pegasus,* NCC-53847, destroyed during test of illegal cloaking device (2358); *U.S.S. Bonestell,* NCC-31600, destroyed in Battle of Wolf 359 (2367). Also in service: *U.S.S. Cochrane,* NCC-59318; *U.S.S. Copernicus,* NCC-623; *U.S.S. Yosemite,* NCC-19002.

OLYMPIC CLASS

Class and Type: *Olympic*-class Medical Vessel

Commissioning Date: 2361

HULL SYSTEMS

Size: 6
Length: 330.50 meters
Beam: 155.63 meters
Height: 124.89 meters
Decks: 27
Mass: 1,695,000 metric tonnes
SUs Available: 2,150
SUs Used: 2,067

Hull

Outer	24
Inner	24

Resistance

Outer Hull: 4	3
Inner Hull: 4	3

Structural Integrity Field

Main: Class 3 (Protection 60/90) [1 Power/10 Protection/round]	24
Backup: Class 3 (Protection 30) [1 Power/10 Protection/round]	12
Backup: Class 3 (Protection 30) [1 Power/10 Protection/round]	12

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 750/2,600/8,000

Crew Quarters

Spartan: None	
Basic: 2,800	280
Expanded: 500	100
Luxury: 100	100
Unusual: 50	50

Environmental Systems

Basic Life Support [12 Power/round]	24
Reserve Life Support [6 Power/round]	12
Emergency Life Support (36 emergency shelters)	12
Gravity [3 Power/round]	6
Consumables: 2 years' worth	12
Food Replicators [6 Power/round]	6
Industrial Replicators	15
Type: Network of small replicators [2 Power/round]	
Type: 3 large units [2 Power/replicator/round]	
Medical Facilities: 10 (+2) [10 Power/round]	50
Recreation Facilities: 7 [14 Power/round]	56
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	18
Fire Suppression System [1 Power/round when active]	6
Cargo Holds: 266,000 cubic meters	8
Locations: Sphere dorsal port and starboard, Engineering hull, 6 other locations	
Escape Pods	12
Number: 200	
Capacity: 12 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6C	100
Speed: 6.0/9.0/9.2 [1 Power/.2 warp speed]	
PIS: Type C (6 hours of Maximum warp)	6

Impulse Engine

Type: Class 5 (.7c/.9c) [7/9 Power/round]	25
Location: Sphere aft	
Reaction Control System (.025c) [2 Power/round when in use]	6

POWER SYSTEMS

Warp Engine

Type: Class 6/K (generates 330 Power/round)	73
Location: Engineering hull	
Impulse Engine[s]: 1 Class 5 (generate 40 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +250 Power transfer/round	55

Standard Usable Power: 370

OPERATIONS SYSTEMS

Bridge: Sphere dorsal	30

Computers

Core 1: Sphere [5 Power/round]	12
Core 2: Engineering [5 Power/round]	12
Uprating: Class Alpha (+1) [1 Power/computer/round]	4
ODN	18

Navigational Deflector [5 Power/round] **24**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Forward ventral of main sphere

Sensor Systems

Long-range Sensors [5 Power/round]	38
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 6 (Strength 6)	
Gain Package: Class Alpha (+1)	
Coverage: +1000 substances/phenomena	
Lateral Sensors [5 Power/round]	18
Strength Package: Class 6 (Strength 6)	
Gain Package: Class Alpha (+1)	
Coverage: +1000 substances/phenomena	
Navigational Sensors: [5 Power/round]	14
Strength Package: Class 6 (Strength 6)	
Gain Package: Class Alpha (+1)	
Probes: 40	4

Sensors Skill: 4

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2 [1 Power/round in use]	11
Navigational Computer	
Main: Class 2 (+1) [1 Power/round]	2
Backups: 1	1

Inertial Damping Field
Main 36
Strength: 9 [3 Power/round]
Number: 3
Backup 9
Strength: 6 [2 Power/round]
Number: 3
Attitude Control [2 Power/round] 2

Communications Systems
Type: Class 6 [2 Power/round] 12
Strength: 6
Security: -2

Tractor Beams
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Forward ventral
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Aft dorsal
Emitter: Class Alpha [3 Power/Strength used/round] 3
Accuracy: 5/6/8/11
Location: Shuttlebay

Transporters
Type: Personnel [4 Power/use] 84
Pads: 4
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class F (Strength 6)
Number and Location: 4 in sphere, 2 in Engineering hull
Type: Emergency [7 Power/use] 90
Pads: 24
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class F (Strength 6)
Number and Location: 4 in sphere, 2 in Engineering hull
Type: Cargo [4 Power/use] 33
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class F (Strength 6)
Number and Location: 2 in sphere, 1 in Engineering hull

Cloaking Device: None

Security Systems
Rating: 2 8
Anti-Intruder System: Yes [1 Power/round] 6
Internal Force Fields [1 Power/3 Strength] 6

Science Systems
Rating 4 (+3) [5 Power/round] 26
Specialized Systems: 2 10
Laboratories: 35 8

TACTICAL SYSTEMS

Sphere Dorsal Phaser Array 31
Type: VI
Damage: 120 [12 Power]
Number of Emitters: 200 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 5/6/8/11
Range: 10/30,000/100,000/300,000
Location: Sphere dorsal
Firing Arc: 540 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Sphere Ventral Phaser Array 31
Type: VI
Damage: 120 [12 Power]
Number of Emitters: 200 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 5/6/8/11
Range: 10/30,000/100,000/300,000
Location: Sphere ventral
Firing Arc: 540 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Dorsal Phaser Array 17
Type: VI
Damage: 120 [12 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 5/6/8/11
Range: 10/30,000/100,000/300,000
Location: Engineering dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Phaser Array 17
Type: VI
Damage: 120 [12 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 5/6/8/11
Range: 10/30,000/100,000/300,000
Location: Engineering ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

TA/T/TS: Class Alpha [0 Power/round] 6
Strength: 7
Bonus: +0

Weapons Skill: 2

Shields (Forward, Aft, Port, Starboard) 50 (x4)
Shield Generator: Class 3 (Protection 480)
[48 Power/shield/round]
Shield Grid: Type C (50% increase to 720 Protection)
Subspace Field Distortion Amplifiers: Class Delta (Threshold 160)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System 6

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 8 Size worth of ships 16
Standard Complement: 2 shuttlecraft, 4 shuttlepods (all adapted for use as ambulances)
Location(s): Engineering aft

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: Large flying hospitals, *Olympic*-class Medical vessels bring much-needed medical relief to planets and regions devastated by plagues, disasters, and war. Equipped with the Federation's most advanced medical technology and best-trained doctors, *Olympic*-class vessels can meet and defeat virtually any health problem.

Unlike most Starfleet vessels, the *Olympic*-class does not have a saucer section. Instead, it has a much larger sphere section, which contains most of its hospital beds and research laboratories. A large section on the ventral side of the Engineering hull contains additional research laboratories where experiments with dangerous infectious agents can be performed at minimal risk to the patients.

Olympic-class vessels are built with a modularity feature which allows Starfleet to customize them for particular types of missions or crises. By replacing some laboratories or other facilities with other modules, the ship can be customized for medical research, disaster relief, combat surgery, epidemic response, evacuation/triage, or general humanitarian aid.

Noteworthy vessels/service records/ encounters: *U.S.S. Olympic,* prototype; *U.S.S. Hope,* NCC-54368, assigned to emergency support duty in Sector 001; *U.S.S. Peace,* NCC-55135, currently assigned to perimeter transfers of humanitarian aid; *U.S.S. Biko,* NCC-50331, assigned to emergency patrol duties in Beta Quadrant; *U.S.S. Nobel,* NCC-55012, searched for *U.S.S. Hera* (2370), *U.S.S. Moore,* NCC-54216, assigned to combat surgery detail, saved the lives of hundreds of Starfleet soldiers during the Federation-Klingon conflict and Dominion War (2372-2375), *U.S.S. Tranquility,* NCC-53742, destroyed by the Jem'Hadar, resulting in the deaths of the entire crew and 1,500 patients (2374). Also in service: *U.S.S. Mayo,* NCC-59137; *U.S.S. Hipocrates,* NCC-68468.

PROMETHEUS CLASS

Class and Type: *Prometheus*-class Heavy Cruiser

Commissioning Date: 2374

HULL SYSTEMS

Size: 7 (separates into ships of 2, 2, and 3 Size)
Length: 418.25 meters
Beam: 173.47 meters
Height: 78.73 meters
Decks: 16decks
Mass: 2,100,000 metric tonnes
SUs Available: 3,500
SUs Used: 3,453

Hull

Outer	28
Inner	28

Resistance

Outer Hull: 10	12
Inner Hull: 10	12
Ablative Armor: 800	160

Structural Integrity Field

Main: Class 6 (Protection 90/130)	
[1 Power/10 Protection/round]	34
Backup: Class 6 (Protection 50)	
[1 Power/10 Protection/round]	17
Backup: Class 6 (Protection 50)	
[1 Power/10 Protection/round]	17

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 655/120/6,800

Crew Quarters

Spartan: None	
Basic: 630 (180/180/270 split)	63
Expanded: 70 (20/20/30 split)	14
Luxury: 28 (8/8/12 split)	28
Unusual: 7 (2/2/3 split)	7

Environmental Systems

Basic Life Support [11 Power/round]	28
Reserve Life Support [6 Power/round]	14
Emergency Life Support (42 emergency shelters)	14
Gravity [4 Power/round]	7
Consumables: 1 year's worth	7
Food Replicators [7 Power/round]	7
Industrial Replicators	10
Type: Network of small replicators [2 Power/round]	
Type: 1 large unit [2 Power/replicator/round]	
Medical Facilities: 8 (+2) [8 Power/round]	40
EMH: Mark II [4 Power/round when active]	15
Recreation Facilities: 4 [8 Power/round]	32
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	21
Fire Suppression System [1 Power/round when active]	7
Cargo Holds: 100,000 cubic meters	3
Locations: 10 locations throughout the three sub-vessels	
Escape Pods	8
Number: 160	
Capacity: 4 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6D98 (one set per each sub-vessel)	113 (x3)
Speed: 6.0/9.2/9.982 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16 (x3)

Impulse Engine (one per each sub-vessel)

Type: Class 8 (.75c/.95c) [7/9 Power/round]	40 (x3)
Acceleration Uprating: Class Beta (75% acceleration)	
[2 Power/round when active]	4 (x3)
Location: Aft of each sub-vessel	
Reaction Control System (.025c) [2 Power/round when in use]	7

POWER SYSTEMS

Warp Engine (one per sub-vessel)

Type: Class 12/R (generates 645 Power/round)	135 (x3)
Location: Aft of bottom and middle section, forward in top section	
Impulse Engine[s]: 3 Class 8 (one per section)	
(generate 64 Power/engine/round)	
Auxiliary Power: 2 reactors per section	
(generate 5 Power/reactor/round)	18
Emergency Power: Type E (generates 45 Power/round)	45
EPS: Standard Power flow, +350 Power transfer/round	70

Standard Usable Power: 709 for any individual sub-vessel, 837 for joined vessel

OPERATIONS SYSTEMS

Bridge: Dorsal in top section	35
Auxiliary Control Rooms: One each in other two sections	21 (x2)
Separation System: Multivector attack mode [10 Power in two rounds used]	14

Computers (Bioneural)

Core 1: Top [5 Power/round]	21
Core 2: Middle [5 Power/round]	21
Core 3: Bottom [5 Power/round]	21
Uprating: Class Beta (+2) [2 Power/computer/round]	12
ODN	21

Navigational Deflector [5 Power/round] **28**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Ventral of bottom section, forward on other sections

Sensor Systems

Long-range Sensors [5 Power/round]	58
Range Package: Type 7 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)	
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)	
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: +2000 substances/phenomena	
Lateral Sensors [5 Power/round]	30
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: +2000 substances/phenomena	

Navigational Sensors: [5 Power/round] 22
Strength Package: Class 9 (Strength 9)
Gain Package: Class Beta (+2)
Probes: 60 (20 per sub-vessel) 6

Sensors Skill: 5

Flight Control Systems
Autopilot: Shipboard Systems (Flight Control) 4, Coordination 4 [1 Power/round in use] 16
Navigational Computer
Main: Class 3 (+2) [2 Power/round] 4
Backups: 2 2
Inertial Damping Field
Main 56
Strength: 9 [3 Power/round]
Number: 4
Backup 32
Strength: 6 [2 Power/round]
Number: 8
Attitude Control [2 Power/round] 2

Communications Systems
Type: Class 9 [2 Power/round] 28
Strength: 9
Security: -6 (Class Delta uprating)
Basic Uprating: Class Beta (+2)
Emergency Communications: Yes [2 Power/round] 1
Holocommunications: Yes 1

Tractor Beams
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Forward of top section
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Forward of middle section
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Aft of bottom section
Emitter: Class Alpha [3 Power/Strength used/round] 3
Accuracy: 5/6/8/11
Location: Shuttlebay

Transporters
Type: Personnel [5 Power/use] 18 (x3)
Pads: 6
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class I (Strength 9)
Number and Location: One per section
Type: Emergency [7 Power/use] 18 (x3)
Pads: 22
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class I (Strength 9)
Number and Location: One per section
Type: Cargo [4 Power/use] 14 (x3)
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class I (Strength 9)
Number and Location: One per section

Cloaking Device: None

Security Systems
Rating: 4 16
Anti-Intruder System: Yes [1 Power/round] 7
Internal Force Fields [1 Power/3 Strength] 7

Science Systems
Rating 3 (+2) [3 Power/round] 22
Specialized Systems: 2 10
Laboratories: 24 6

TACTICAL SYSTEMS

Top Dorsal Forward Starboard Phaser Array 30
Type: X
Damage: 200 [20 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Top section, dorsal starboard
Firing Arc: 180 degrees dorsal starboard
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Top Dorsal Forward Port Phaser Array 30
Type: X
Damage: 200 [20 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Top section, dorsal port
Firing Arc: 180 degrees dorsal port
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Top Dorsal Aft Starboard Phaser Array 14
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Top section, aft dorsal starboard
Firing Arc: 180 degrees dorsal starboard
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Top Dorsal Aft Port Phaser Array 14
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Top section, aft dorsal port
Firing Arc: 180 degrees dorsal port
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Top Ventral Starboard Phaser Array 32
Type: X
Damage: 200 [20 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Top section, ventral starboard (concealed when sections joined)
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Top Ventral Port Phaser Array 32
Type: X
Damage: 200 [20 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Top section, ventral port (concealed when sections joined)
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Middle Dorsal Starboard Phaser Array 26
Type: X
Damage: 200 [20 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Middle section, dorsal starboard (concealed when sections joined)
Firing Arc: 180 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Middle Dorsal Port Phaser Array 26
Type: X
Damage: 200 [20 Power]
Number of Emitters: 100 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Middle section, dorsal port (concealed when sections joined)
Firing Arc: 180 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Middle Ventral Starboard Phaser Array 14
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Middle section, ventral starboard (concealed when sections joined)
Firing Arc: 180 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Middle Ventral Port Phaser Array 14
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Middle section, ventral port (concealed when sections joined)
Firing Arc: 180 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Bottom Dorsal Starboard Phaser Array 14
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Bottom section, dorsal (concealed when sections joined)
Firing Arc: 180 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Bottom Dorsal Port Phaser Array 14
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Top section, dorsal (concealed when sections joined)
Firing Arc: 180 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Bottom Ventral Forward Starboard Phaser Array 14
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Bottom section, ventral forward starboard
Firing Arc: 180 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Bottom Ventral Forward Port Phaser Array 14
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Bottom section, ventral forward port
Firing Arc: 180 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Bottom Ventral Aft Starboard Phaser Array 18
Type: X
Damage: 200 [20 Power]
Number of Emitters: 60 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Bottom section, aft ventral starboard
Firing Arc: 180 degrees ventral starboard
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Bottom Ventral Aft Port Phaser Array 18
Type: X
Damage: 200 [20 Power]
Number of Emitters: 60 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Bottom section, aft ventral port
Firing Arc: 180 degrees dorsal port
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Starboard Phaser Array 14
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Bottom section, Engineering ventral starboard
Firing Arc: 180 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Port Phaser Array 14
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Bottom section, Engineering ventral port
Firing Arc: 180 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Top Forward Dorsal Torpedo Launcher 18
Standard Load: Mark I quantum torpedo (400 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Top forward dorsal
Firing Arc: Forward, but are self-guided

Top Aft Torpedo Launcher 18
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Top aft (concealed when sections are joined)
Firing Arc: Aft, but are self-guided

Middle Forward Dorsal Torpedo Launcher 18
Standard Load: Mark I quantum torpedo (400 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Middle forward dorsal (concealed when sections are joined)
Firing Arc: Forward, but are self-guided

Middle Aft Torpedo Launcher 18
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Middle aft
Firing Arc: Aft, but are self-guided

Top Forward Dorsal Torpedo Launcher 18
Standard Load: Mark I quantum torpedo (400 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Bottom forward dorsal (concealed when sections are joined)
Firing Arc: Forward, but are self-guided

Bottom Aft Torpedo Launcher 18
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Bottom aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 240 (80 per section) 24

TA/T/TS: Class Gamma [2 Power/round] 12 (x3)
Strength: 9
Bonus: +2

Weapons Skill: 5

Shields (Forward, Aft, Port, Starboard) 120 (x4)
Shield Generator: Class 6 (Protection 1200) [120 Power/shield/round]
Shield Grid: Type C (50% increase to 1800 Protection)
Subspace Field Distortion Amplifiers: Class Theta (Threshold 400)
Shield Regeneration System: Class 3 (regenerates 40 Protection per round; shield recharge time of 20 seconds) [1 Power/point regenerated/round]
Backup Shield Generators: 4 (1 per shield) 7

Auto-Destruct System 7

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 6 Size worth of ships 12
Standard Complement: 2 shuttlecraft, 2 shuttlepods
Location(s): Engineering aft of the bottom section

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The *Prometheus*-class Heavy Cruiser is an experimental vessel which represents the most state of the art vessel currently possessed by Starfleet. It comes equipped with the most advanced systems available: regenerative shielding, Type X phasers, quantum torpedoes, the EMH Mark II and holocommunications system, and many others. Most impressive is its multivector assault mode, in which it splits into three separate ships to bring extra offensive power to bear on a foe.

When the *Prometheus* is joined into a single unit, the two warp cores in its middle and bottom sections link together to form one larger unit. The top section's warp engine, located in its forward area, remains on standby; it can be activated to provide Power in 1 round.

The *Prometheus* is designed for deep-space tactical missions. Like the *Defiant*-class, its intended almost entirely for military or quasi-military uses. While many within Starfleet Command are troubled by the ship's emphasis on combat, in light of the Dominion War most officers support the development of the *Prometheus* and other ships like it.

Noteworthy vessels/service records/ encounters: *U.S.S. Prometheus,* NX-59650, prototype.

RENAISSANCE CLASS

Class and Type: *Renaissance*-class Cruiser

Commissioning Date: 2303

HULL SYSTEMS

Size: 6
- Length: 315.68 meters
- Beam: 146.72 meters
- Height: 60.32 meters
- Decks: 12
- Mass: 389,000 metric tonnes
- SUs Available: 1,750
- SUs Used: 1,686

Hull

Outer	24
Inner	24

Resistance

Outer Hull: 6	6
Inner Hull: 6	6

Structural Integrity Field

Main: Class 6 (Protection 60/90)	
[1 Power/10 Protection/round]	33
Backup: Class 6 (Protection 30)	
[1 Power/10 Protection/round]	17
Backup: Class 6 (Protection 30)	
[1 Power/10 Protection/round]	17

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 415/70/5,250

Crew Quarters

Spartan: None	
Basic: 400	40
Expanded: 60	12
Luxury: 15	15
Unusual: 5	5

Environmental Systems

Basic Life Support [11 Power/round]	24
Reserve Life Support [6 Power/round]	12
Emergency Life Support (36 emergency shelters)	12
Gravity [3 Power/round]	6
Consumables: 2 years' worth	12
Food Replicators [6 Power/round]	6
Industrial Replicators	9
Type: Network of small replicators [2 Power/round]	
Type: 1 large unit [2 Power/replicator/round]	
Medical Facilities: 6 (+1) [6 Power/round]	30
Recreation Facilities: 5 [10 Power/round]	40
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	18
Fire Suppression System [1 Power/round when active]	6
Cargo Holds: 100,000 cubic meters	3
Locations: Saucer forward ventral, Engineering aft	
Escape Pods	8
Number: 140	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 5C2	66
Speed: 5.0/8.0/9.2 [1 Power/.2 warp speed]	
PIS: Type I (16 hours of Maximum warp)	18

Impulse Engine

Type: Class 5 (.7c/.9c) [7/9 Power/round]	25
Location: Saucer	

Impulse Engine

Type: Class 5 (.7c/.9c) [7/9 Power/round]	25
Location: Engineering hull	
Reaction Control System (.025c) [2 Power/round when in use]	6

POWER SYSTEMS

Warp Engine

Type: Class 7/M (generates 390 Power/round)	84
Location: Engineering hull	
Impulse Engine[s]: 2 Class 5 (generate 40 Power/engine/round)	
Auxiliary Power: 3 reactors (generate 5 Power/reactor/round)	9
Emergency Power: Type C (generates 35 Power/round)	35
EPS: Standard Power flow, +280 Power transfer/round	58

Standard Usable Power: 470

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	30

Computers

Core 1: Saucer [5 Power/round]	12
Core 2: Engineering [5 Power/round]	12
ODN	18

Navigational Deflector [5 Power/round] **24**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Engineering forward, ventral of saucer

Sensor Systems

Long-range Sensors [5 Power/round]	37
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	17
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	16
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Probes: 80	8

Sensors Skill: 3

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 1	
[1 Power/round in use]	10

Navigational Computer
Main: Class 2 (+1) [1 Power/round] 2
Backups: 2 2
Inertial Damping Field
Main 36
Strength: 9 [3 Power/round]
Number: 3
Backup 9
Strength: 9 [2 Power/round]
Number: 3
Attitude Control [2 Power/round] 2

Communications Systems
Type: Class 7 [2 Power/round] 19
Strength: 7
Security: -4 (Class Gamma uprating)
Basic Uprating: Class Alpha (+1)
Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Forward
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Aft ventral
Emitter: Class Alpha [3 Power/Strength used/round] 3
Accuracy: 5/6/8/11
Location: Shuttlebay

Transporters
Type: Personnel [5 Power/use] 64
Pads: 6
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: Three in saucer, one in Engineering hull
Type: Emergency [5 Power/use] 56
Pads: 16
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: Three in saucer, one in Engineering hull
Type: Cargo [4 Power/use] 36
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: Two in saucer, one in Engineering hull

Cloaking Device: None

Security Systems
Rating: 3 12
Anti-Intruder System: Yes [1 Power/round] 6
Internal Force Fields [1 Power/3 Strength] 6

Science Systems
Rating 2 (+1) [2 Power/round] 16
Specialized Systems: 1 5
Laboratories: 14 4

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array 39
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 200 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array 23
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer ventral forward
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Phaser Array 23
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Starboard Pylon Phaser Array 20
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Starboard pylon
Firing Arc: 360 degrees starboard
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Port Pylon Phaser Array 20
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Port pylon
Firing Arc: 360 degrees port
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Phaser Array 23
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Aft
Firing Arc: 360 degrees aft
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Dorsal Starboard Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer dorsal starboard
Firing Arc: Forward, but are self-guided

Forward Dorsal Port Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer dorsal port
Firing Arc: Forward, but are self-guided

Interhull Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Connecting interhull forward, aft of saucer
Firing Arc: Forward, but are self-guided

Aft Starboard Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft starboard
Firing Arc: Aft, but are self-guided

Aft Port Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft port
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 160 **16**

TA/T/TS: Class Beta [1 Power/round] **9**
Strength: 8
Bonus: +1

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) **49 (x4)**
Shield Generator: Class 4 (Protection 660)
[66 Power/shield/round]
Shield Grid: Type B (33% increase to 880 Protection)
Subspace Field Distortion Amplifiers: Class Delta (Threshold 200)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **6**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 18 Size worth of ships **36**
Standard Complement: 7 shuttlecraft, 4 shuttlepods
Location(s): Engineering aft

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The *Renaissance*-class Cruiser was developed using the specifications and technology for the larger *Excelsior*-class Exploratory Cruiser. The *Renaissance* features a saucer almost identical to that of the *Excelsior,* attached to the Engineering hull by a shorter, thicker connecting interhull. The Engineering hull itself is shorter and sturdier-looking than that of the *Excelsior,* with the nacelle pylons attached to the ventral side instead of the dorsal. Unique to the *Renaissance* is a special aft "weapons pod" which includes a phaser array and two torpedo launchers.

For its day, the *Renaissance*-class ship was rather heavily armed, with six phaser arrays and five torpedo launchers. But compared to today's ships, its weapons systems, even after repeated upratings, are not as powerful.

The *Renaissance*-class Cruiser was last actively produced in 2337. Since then the ships have received numerous upratings and continue to perform suitably. However, with all the new classes of Cruisers which recently have been, or soon will be, introduced into the fleet, the Federation has decided to start phasing out the *Renaissance* class beginning in 2377. As the ships come up for refit they will be decomissioned and used for spare parts, or perhaps be given to friendly governments.

Noteworthy vessels/service records/ encounters: *U.S.S. Renaissance,* prototype; *U.S.S. Hornet,* NCC-45231, assisted with blockade during Klingon civil war (2367-68); *U.S.S. Maryland,* NCC-45109, lost in the Gamma Quadrant and presumed destroyed by the Dominion (2373); *U.S.S. Fascenelli,* NCC-46612, participated in attack on the Chin'toka system (2374). Also in service: *U.S.S. Aries,* NCC-45167, *U.S.S. Schiavona,* NCC-46735.

RIGEL CLASS

Class and Type: *Rigel*-class Heavy Scout

Commissioning Date: 2327

HULL SYSTEMS

Size: 5
Length: 215.64 meters
Beam: 76.78 meters
Height: 38.52 meters
Decks: 8
Mass: 325,000 metric tonnes
SUs Available: 1,360
SUs Used: 1,288

Hull
Outer 20
Inner 20

Resistance
Outer Hull: 6 6
Inner Hull: 4 3

Structural Integrity Field
Main: Class 4 (Protection 70/110)
[1 Power/10 Protection/round] 26
Backup: Class 4 (Protection 40)
[1 Power/10 Protection/round] 13
Backup: Class 4 (Protection 40)
[1 Power/10 Protection/round] 13

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 70/125/400

Crew Quarters
Spartan: None
Basic: 65 7
Expanded: 20 20
Luxury: 8 8
Unusual: 2 2

Environmental Systems
Basic Life Support [7 Power/round] 20
Reserve Life Support [4 Power/round] 10
Emergency Life Support (30 emergency shelters) 10
Gravity [3 Power/round] 5
Consumables: 2 years' worth 10
Food Replicators [5 Power/round] 5
Industrial Replicators 8
Type: Network of small replicators [2 Power/round]
Type: 1 large unit [2 Power/replicator/round]
Medical Facilities: 4 (+1) [4 Power/round] 20
Recreation Facilities: 4 [8 Power/round] 32
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round] 15
Fire Suppression System [1 Power/round when active] 5
Cargo Holds: 33,000 cubic meters 1
Locations: Saucer port, saucer starboard, Engineering amidships, 6 other locations
Escape Pods 5
Number: 80
Capacity: 8 persons per pod

PROPULSION SYSTEMS

Warp Drive
Nacelles: Type 5E 75
Speed: 5.0/9.0/9.2 [1 Power/.2 warp speed]
PIS: Type H (12 hours of Maximum warp) 16

Impulse Engine
Type: Class 5 (.7c/.9c) [7/9 Power/round] 25
Acceleration Uprating: Class Alpha (66% acceleration)
[1 Power/round when active] 2
Location: Saucer aft
Reaction Control System (.025c) [2 Power/round when in use] 5

POWER SYSTEMS

Warp Engine
Type: Class 6/K (generates 335 Power/round) 74
Location: Engineering hull
Impulse Engine[s]: 1 Class 5 (generate 40 Power/engine/round)
Auxiliary Power: 2 reactors (generate 5 Power/reactor/round) 6
Emergency Power: Type C (generates 35 Power/round) 35
EPS: Standard Power flow, +230 Power transfer/round 48

Standard Usable Power: 375

OPERATIONS SYSTEMS

Bridge: Saucer dorsal 25

Computers
Core 1: Saucer [5 Power/round] 10
Core 2: Engineering [5 Power/round] 10
ODN 15

Navigational Deflector [5 Power/round] 20
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Engineering forward, ventral of saucer

Sensor Systems
Long-range Sensors [5 Power/round] 50
Range Package: Type 7 (Accuracy 3/4/7/10)
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)
Strength Package: Class 8 (Strength 8)
Gain Package: Class Beta (+2)
Coverage: Standard
Lateral Sensors [5 Power/round] 22
Strength Package: Class 8 (Strength 8)
Gain Package: Class Beta (+2)
Coverage: Standard
Navigational Sensors: [5 Power/round] 20
Strength Package: Class 8 (Strength 8)
Gain Package: Class Beta (+2)
Probes: 100 10

Sensors Skill: 4

Flight Control Systems
Autopilot: Shipboard Systems (Flight Control) 3, Coordination 3
[1 Power/round in use] 12

Navigational Computer
Main: Class 3 (+2) [2 Power/round] 4
Backups: 2 2
Inertial Damping Field
Main 30
Strength: 9 [3 Power/round]
Number: 3
Backup 9
Strength: 6 [2 Power/round]
Number: 3
Attitude Control [1 Power/round] 1

Communications Systems
Type: Class 9 [2 Power/round] 24
Strength: 9
Security: -4

Tractor Beams
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Forward ventral
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Aft dorsal
Emitter: Class Alpha [3 Power/Strength used/round] 3
Accuracy: 5/6/8/11
Location: Shuttlebay

Transporters
Type: Personnel [5 Power/use] 34
Pads: 6
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: One in saucer, one in Engineering hull
Type: Emergency [5 Power/use] 30
Pads: 14
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: One in saucer, one in Engineering hull
Type: Cargo [4 Power/use] 26
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: One in saucer, one in Engineering hull

Cloaking Device: None

Security Systems
Rating: 2 8
Anti-Intruder System: Yes [1 Power/round] 5
Internal Force Fields [1 Power/3 Strength] 5

Science Systems
Rating 2 (+1) [1 Power/round] 15
Specialized Systems: None
Laboratories: 3 2

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array 25
Type: VII
Damage: 140 [14 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal forward
Firing Arc: 405 degrees forward
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array 25
Type: VII
Damage: 140 [14 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer ventral forward
Firing Arc: 405 degrees forward
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Torpedo Launcher 14
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer ventral
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher 14
Standard Load: Type II photon torpedo (200 Damage)
Spread: 4
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft dorsal
Firing Arc: Aft but are self-guided

Torpedoes Carried: 30 3

TA/T/TS: Class Alpha [0 Power/round] 6
Strength: 7
Bonus: +0

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) 43 (x4)
Shield Generator: Class 3 (Protection 480)
[48 Power/shield/round]
Shield Grid: Type C (50% increase to 720 Protection)
Subspace Field Distortion Amplifiers: Class Delta (Threshold 160)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System 5

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 20 Size worth of ships 40
Standard Complement: 8 shuttlecraft, 4 shuttlepods
Location(s): Forward

Captain's Yacht: No

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DESCRIPTION AND NOTES

Fleet data: The *Rigel*-class Heavy Scout was first commissioned in the early 24th century as part of the Coreward Exploratory Directive (2321), and as participants in that project have helped to expand the Federation's frontiers greatly and bring many new species into the Federation. During the Dominion War many of them were uprated with improved phasers and shields and sent into Cardassian-Dominion territory to bring back valuable intelligence. Not all of them made it back, but those which did always brought tactically valuable information with them.

Although its performance in the Dominion War shows that it's still quite capable of carrying out its duties, the *Rigel*-class is beginning to show its age a little. Starfleet has begun the long, slow process of decommissioning the class, and often turns the stripped-down ships over to the Federation Merchant Marine for use as freighters and traders.

Noteworthy vessels/service records/ encounters: *U.S.S. Rigel,* prototype; *U.S.S. Arcturus,* NCC-57734, discovered Coreward Rift during long-range reconnaissance mission (2355); *U.S.S. Tolstoy,* NCC-62095, lost in Battle of Wolf 359 (2367); *U.S.S. Sirius,* NCC-60237, assigned to deep space observation duties along coreward frontier; *U.S.S. Barnard,* NCC-62046, assigned to scout/response duties in Bajor Sector (2367-73), destroyed by Jem'hadar (2374); *U.S.S. Akagi,* NCC-62158, part of the Klingon blockade armada (2368), later stationed at Deep Space 9 as part of the Ninth Fleet. Also in service: *U.S.S. Deneb,* NCC-63368, *U.S.S. Polaris,* NCC-62845, *U.S.S. Vega,* NCC-64296.

SABER CLASS

Class and Type: *Saber*-class Light Cruiser
Commissioning Date: 2370

HULL SYSTEMS

Size: 5
Length: 172.77 meters
Beam: 174.61 meters
Height: 43.48 meters
Decks: 8
Mass: 227,000 metric tonnes
SUs Available: 1,650
SUs Used: 1,572

Hull

Outer	20
Inner	20

Resistance

Outer Hull: 8	9
Inner Hull: 8	9

Structural Integrity Field

Main: Class 5 (Protection 80/120)	
[1 Power/10 Protection/round]	29
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	15
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	15

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 40/15/200

Crew Quarters

Spartan: None	
Basic: 35	4
Expanded: 10	2
Luxury: 5	5
Unusual: None	

Environmental Systems

Basic Life Support [6 Power/round]	20
Reserve Life Support [3 Power/round]	10
Emergency Life Support (30 emergency shelters)	10
Gravity [3 Power/round]	5
Consumables: 3 years' worth	15
Food Replicators [5 Power/round]	5
Industrial Replicators	11
Type: Network of small replicators [2 Power/round]	
Type: 2 large units [2 Power/replicator/round]	
Medical Facilities: 8 (+2) [8 Power/round]	40
Recreation Facilities: 6 [12 Power/round]	48
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	15
Fire Suppression System [1 Power/round when active]	5
Cargo Holds: 33,000 cubic meters	1
Locations: Saucer port, saucer starboard, Engineering hull, 8 other locations	
Escape Pods	7
Number: 140	
Capacity: 4 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6D7	106
Speed: 6.0/9.2/9.7 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 6 (.75c/.9c) [7/9 Power/round]	30
Acceleration Uprating: Class Beta (75% acceleration)	
[2 Power/round when active]	4
Location: Saucer aft port and starboard	

Impulse Engine

Type: Class 6 (.75c/.9c) [7/9 Power/round]	30
Acceleration Uprating: Class Beta (75% acceleration)	
[2 Power/round when active]	4
Location: Engineering aft	
Reaction Control System (.025c) [2 Power/round when in use]	5

POWER SYSTEMS

Warp Engine

Type: Class 7/M (generates 399 Power/round)	85
Location: Engineering hull	
Impulse Engine[s]: 2 Class 6 (generate 48 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type F (generates 50 Power/round)	50
EPS: Standard Power flow, +250 Power transfer/round	50

Standard Usable Power: 495

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	25

Computers

Core 1: Saucer [5 Power/round]	10
Core 2: Engineering [5 Power/round]	10
Uprating: Class Beta (+2) [2 Power/computer/round]	8
ODN	15

Navigational Deflector [5 Power/round] **20**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Saucer ventral

Sensor Systems

Long-range Sensors [5 Power/round]	41
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	21
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	20
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Alpha (+1)	
Probes: 60	6

Sensors Skill: 4

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 3 [1 Power/round in use] — 12
- Navigational Computer
  - Main: Class 3 (+2) [2 Power/round] — 4
  - Backups: 2 — 2
- Inertial Damping Field
  - Main — 30
    - Strength: 9 [3 Power/round]
    - Number: 3
  - Backup — 9
    - Strength: 6 [2 Power/round]
    - Number: 3
- Attitude Control [1 Power/round] — 1

Communications Systems
- Type: Class 9 [2 Power/round] — 23
  - Strength: 9
  - Security: -5 (Class Gamma uprating)
  - Basic Uprating: Class Alpha (+1)
- Emergency Communications: Yes [2 Power/round] — 1
- Holocommunications: Yes — 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Forward dorsal
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] — 3
  - Accuracy: 5/6/8/11
  - Location: Shuttlebay

Transporters
- Type: Personnel [5 Power/use] — 36
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: One in saucer, one in Engineering hull
- Type: Emergency [6 Power/use] — 34
  - Pads: 18
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: One in saucer, one in Engineering hull
- Type: Cargo [4 Power/use] — 28
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: One in saucer, one in Engineering hull

Cloaking Device: None

Security Systems
- Rating: 4 — 16
- Anti-Intruder System: Yes [1 Power/round] — 5
- Internal Force Fields [1 Power/3 Strength] — 5

Science Systems
- Rating 2 (+1) [2 Power/round] — 15
- Specialized Systems: None
- Laboratories: 8 — 2

TACTICAL SYSTEMS

Saucer Dorsal Starboard Phaser Array — 32
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal starboard
  - Firing Arc: 250 degrees dorsal starboard
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Port Phaser Array — 32
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal port
  - Firing Arc: 250 degrees dorsal port
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Starboard Phaser Array — 32
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral starboard
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Port Phaser Array — 32
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral
  - Firing Arc: 260 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Torpedo Launcher — 18
- Standard Load: Type II photon torpedo (200 Damage)
  - Spread: 10
  - Range: 15/350,000/1,500,000/4,050,000
  - Targeting System: Accuracy 3/4/6/9
  - Power: [20 + 5 per torpedo fired]
  - Location: Forward dorsal
  - Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher — 18
- Standard Load: Type II photon torpedo (200 Damage)
  - Spread: 10
  - Range: 15/350,000/1,500,000/4,050,000
  - Targeting System: Accuracy 3/4/6/9
  - Power: [20 + 5 per torpedo fired]
  - Location: Aft
  - Firing Arc: Aft, but are self-guided

Torpedoes Carried: 100 — 10

TA/T/TS: Class Gamma [2 Power/round] — 12
- Strength: 9
- Bonus: +2

Weapons Skill: 4

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Shields (Forward, Aft, Port, Starboard) 51 (x4)
Shield Generator: Class 4 (Protection 660)
[66 Power/shield/round]
Shield Grid: Type C (50% increase to 880 Protection)
Subspace Field Distortion Amplifiers: Class Epsilon (Threshold 220)
Recharging System: Class 2 (40 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System 5

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 12 Size worth of ships 24
Standard Complement: 5 shuttlecraft, 2 shuttlepods
Location(s): Saucer forward, Engineering aft

Captain's Yacht: Yes 10

DESCRIPTION AND NOTES

Fleet data: Another product of the Perimeter Defense Directive, the *Saber*-class Light Cruiser is only slightly larger than the *Defiant*-class Heavy Escort, and in fact owes much of its design (including its internal warp nacelle design) to the Defiant Development Project. Since it lacks the traditional pylon configuration, its Engineering hull is smaller than on most ships of its type, and the ship has a smaller target profile. (On the other hand, a warp core breach will cause more damage to the ship than normal because of this arrangement; increase damage from a warp core breach by 20%.) Its size and correspondingly light armament also make it quick and easy to produce.

Most *Saber*-class ships are assigned to hostile frontier patrol, combat support, and escort duties. Some ASDB officers have suggested that with the addition of ablative armor, heavier armament (including pulse phaser cannons), and stronger shields (plus correspondingly more powerful warp engines for the necessary Power), the *Saber*-class could become a powerful frontline fighting vessel. Starfleet Command is currently considering their proposal.

Noteworthy vessels/service records/ encounters: *U.S.S. Saber,* prototype; *U.S.S. Yeager,* NCC-61947, defended Earth against the Borg (2373) (not to be confused with the *Yeager* class of vessels); *U.S.S. Shepard,* NCC-62079, assigned to perimeter action duties in Sol Sector (2373-74), destroyed in Breen attack on Earth (2375); *U.S.S. Storta,* NCC-69531, currently assigned to deep frontier patrol (2376). Also in service: *U.S.S. Lu'ghara,* NCC-68749; *U.S.S. Veldar,* NCC-69846; *U.S.S. LaRue,* NCC-72315.

SEQUOIA CLASS

Class and Type: *Sequoia*-class Heavy Cruiser

Commissioning Date: 2368

HULL SYSTEMS

Size: 8
Length: 610.50 meters
Beam: 415.63 meters
Height: 135.46 meters
Decks: 30
Mass: 4,015,600 metric tonnes
SUs Available: 2,700
SUs Used: 2,568

Hull

Outer	32
Inner	32

Resistance

Outer Hull: 8	9
Inner Hull: 6	6

Structural Integrity Field

Main: Class 5 (Protection 80/120)	
[1 Power/10 Protection/round]	32
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	16
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	16

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 820/165/9,000

Crew Quarters

Spartan: None	
Basic: 750	75
Expanded: 200	40
Luxury: 60	60
Unusual: 25	25

Environmental Systems

Basic Life Support [12 Power/round]	32
Reserve Life Support [6 Power/round]	16
Emergency Life Support (48 emergency shelters)	16
Gravity [4 Power/round]	8
Consumables: 3 years' worth	24
Food Replicators [8 Power/round]	8
Industrial Replicators	14
Type: Network of small replicators [2 Power/round]	
Type: 2 large units [2 Power/replicator/round]	
Medical Facilities: 8 (+2) [8 Power/round]	40
EMH: Mark I [2 Power/round when active]	8
Recreation Facilities: 8 [16 Power/round]	64
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	24
Fire Suppression System [1 Power/round when active]	8
Cargo Holds: 300,000 cubic meters	9
Locations: Saucer port, saucer starboard, Engineering, 10 other locations	
Escape Pods	10
Number: 180	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6D8	107
Speed: 6.0/9.2/9.8 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 6 (.75c/.9c) [7/9 Power/round]	30
Location: Saucer aft port and starboard	

Impulse Engine

Type: Class 6 (.75c/.9c) [7/9 Power/round]	30
Location: Engineering hull	
Reaction Control System (.025c) [2 Power/round when in use]	8

POWER SYSTEMS

Warp Engine

Type: Class 11/Q (generates 575 Power/round)	123
Location: Engineering hull	
Impulse Engine[s]: 2 Class 6 (generate 48 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type E (generates 45 Power/round)	45
EPS: Standard Power flow, +300 Power transfer/round	70

Standard Usable Power: 671

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	40
Auxiliary Control Room: Battle bridge, Engineering forward dorsal	24
Separation System: Saucer separation [10 Power]	10

Computers

Core 1: Saucer port [5 Power/round]	16
Core 2: Saucer Starboard [5 Power/round]	16
Core 3: Engineering [5 Power/round]	16
Uprating: Class Beta (+2) [2 Power/computer/round]	12
ODN	24

Navigational Deflector [5 Power/round] **32**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Engineering forward, ventral of saucer

Sensor Systems

Long-range Sensors [5 Power/round]	52
Range Package: Type 7 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)	
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)	
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	24
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	22
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Probes: 60	6

Sensors Skill: 5

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2 [1 Power/round in use] — 11
- Navigational Computer
  - Main: Class 3 (+2) [2 Power/round] — 4
  - Backups: 2 — 2
- Inertial Damping Field
  - Main — 64
    - Strength: 9 [3 Power/round]
    - Number: 4
  - Backup — 16
    - Strength: 6 [2 Power/round]
    - Number: 4
- Attitude Control [2 Power/round] — 2

Communications Systems
- Type: Class 9 [2 Power/round] — 26
  - Strength: 9
  - Security: -5 (Class Gamma uprating)
  - Basic Uprating: Class Beta (+2)
  - Emergency Communications: Yes [2 Power/round] — 1
- Holocommunications: Yes — 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Forward
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] — 12
  - Accuracy: 5/6/8/11
  - Location: One in each shuttlebay

Transporters
- Type: Personnel [5 Power/use] — 54
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: Two in saucer, one in Engineering hull
- Type: Emergency [6 Power/use] — 51
  - Pads: 20
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: Two in saucer, one in Engineering hull
- Type: Cargo [4 Power/use] — 42
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: Two in saucer, one in Engineering hull

Cloaking Device: None

Security Systems
- Rating: 4 — 16
- Anti-Intruder System: Yes [1 Power/round] — 8
- Internal Force Fields [1 Power/3 Strength] — 8

Science Systems
- Rating 2 (+1) [2 Power/round] — 18
- Specialized Systems: 2 — 10
- Laboratories: 16 — 4

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array — **49**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 200 (up to 5 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array — **49**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 200 (up to 5 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral
  - Firing Arc: 405 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Port Dorsal Phaser Array — **16**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering section dorsal port
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Starboard Dorsal Phaser Array — **16**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering section dorsal starboard
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Forward Dorsal Phaser Array — **25**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering section forward (concealed when ship not separated)
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Phaser Array — **24**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering section ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Aft Dorsal Port Phaser Array 16
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Engineering aft dorsal port
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Aft Dorsal Starboard Phaser Array 16
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Engineering aft dorsal starboard
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Aft Ventral Port Phaser Array 16
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Engineering aft ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Aft Ventral Starboard Phaser Array 16
Type: X
Damage: 200 [20 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Engineering aft ventral starboard
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Starboard Torpedo Launcher 18
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Saucer central forward, starboard
Firing Arc: Forward, but are self-guided

Forward Amidships Torpedo Launcher 18
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Saucer central forward
Firing Arc: Forward, but are self-guided

Forward Port Torpedo Launcher 18
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Saucer central forward, port
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher 18
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Engineering aft
Firing Arc: Aft, but are self-guided

Saucer Aft Torpedo Launcher 18
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Saucer aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 300 30

TA/T/TS: Class Gamma [2 Power/round] 12
Strength: 9
Bonus: +2

Weapons Skill: 5

Shields (Forward, Aft, Port, Starboard) 92 (x4)
Shield Generator: Class 5 (Protection 1000)
[100 Power/shield/round]
Shield Grid: Type C (50% increase to 1500 Protection)
Subspace Field Distortion Amplifiers: Class Zeta (Threshold 300)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System 8

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 33 Size worth of ships 66
Standard Complement: 12 shuttlecraft, 9 shuttlepods
Location(s): Saucer aft, Engineering section forward dorsal port and starboard, Engineering section aft

Captain's Yacht: Yes 10

DESCRIPTION AND NOTES

Fleet data: Sometimes disparagingly referred to as the "baby *Galaxy,*" the *Sequoia*-class Heavy Cruiser is in fact strongly based on the *Galaxy*-class Explorer. In creating it, the ASDB drew upon 20 years of experience in designing the *Galaxy* to create a similar, but slightly smaller, ship to perform similar duties. The main physical difference between the two, other than size, is that the *Seqoia*'s connecting interhull region is not as long as that on the *Galaxy;* the ship's saucer sits much closer to its Engineering section than the saucer on a *Galaxy*-class vessel. The Engineering hull is also slightly different in shape.

In many ways, the *Sequoia*-class's systems and capabilities mirror those of the *Galaxy,* though a few are slightly less powerful (sometimes due to space requirements), and some

are better, since they incorporate technology developed since the *Galaxy*-class was created (such as the EMH, which was installed as a class-wide upgrade in 2372). As a Heavy Cruiser, the *Sequoia* is more heavily armed than the *Galaxy;* while it doesn't have quite as many phaser arrays, it has several more torpedo launchers, including its devastating forward triple array. As soon as possible, Starfleet Command intends to equip both the *Akira*-class and *Sequoia*-class with quantum torpedoes.

Noteworthy vessels/service records/ encounters: *U.S.S. Sequoia,* prototype; *U.S.S. Yellowstone,* NCC-70073, destroyed two *Galor*-class ships in battle in the Kilandra System (2374), *U.S.S. Bertram,* NCC-71205, participated in Operation Return (2374). Also in service: *U.S.S. Everglades,* NCC-70237; *U.S.S. Flagstaff,* NCC-70986.

SOVEREIGN CLASS

Class and Type: *Sovereign*-class Heavy Explorer

Commissioning Date: 2370

HULL SYSTEMS

Size: 8
- Length: 685.34 meters
- Beam: 242.56 meters
- Height: 137.82 meters
- Decks: 24
- Mass: 3,900,000 metric tonnes
- SUs Available: 3,150
- SUs Used: 3,061

Hull

Outer	32
Inner	32

Resistance

Outer Hull: 10	12
Inner Hull: 10	12

Structural Integrity Field

Main: Class 6 (Protection 90/130)	
[1 Power/10 Protection/round]	35
Backup: Class 6 (Protection 50)	
[1 Power/10 Protection/round]	18
Backup: Class 6 (Protection 50)	
[1 Power/10 Protection/round]	18

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 855/200/13,000

Crew Quarters

Spartan: None	
Basic: 800	80
Expanded: 230	46
Luxury: 45	45
Unusual: 25	25

Environmental Systems

Basic Life Support [12 Power/round]	32
Reserve Life Support [6 Power/round]	16
Emergency Life Support (48 emergency shelters)	16
Gravity [4 Power/round]	8
Consumables: 3 years' worth	24
Food Replicators [8 Power/round]	8
Industrial Replicators	17
Type: Network of small replicators [2 Power/round]	
Type: 3 large units [2 Power/replicator/round]	
Medical Facilities: 10 (+2) [10 Power/round]	50
EMH: Mark I [2 Power/round when active]	5
Recreation Facilities: 8 [16 Power/round]	64
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	24
Fire Suppression System [1 Power/round when active]	8
Cargo Holds: 133,000 cubic meters	4
Locations: Saucer port, saucer starboard, 15 other locations	
Escape Pods	10
Number: 180	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 8	138
Speed: 8.0/9.6/9.95 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 8 (.75c/.95c) [7/9 Power/round]	40
Location: Engineering dorsal	

Impulse Engine

Type: Class 8 (.75c/.95c) [7/9 Power/round]	40
Location: Saucer aft port and starboard	
Reaction Control System (.025c) [2 Power/round when in use]	8

POWER SYSTEMS

Warp Engine

Type: Class 13/S (generates 699 Power/round)	145
Location: Engineering hull	
Impulse Engine[s]: 2 Class 8 (generate 64 Power/engine/round)	
Auxiliary Power: 6 reactors (generate 5 Power/reactor/round)	18
Emergency Power: Type F (generates 50 Power/round)	50
EPS: Standard Power flow, +350 Power transfer/round	75

Standard Usable Power: 777

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	40

Computers (Bio-neural)

Core 1: Saucer port [5 Power/round]	24
Core 2: Saucer starboard [5 Power/round]	24
Core 3: Engineering [5 Power/round]	24
Uprating: Class Beta (+2) [2 Power/computer/round]	12
ODN	24

Navigational Deflector [5 Power/round] **32**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Engineering forward, ventral of saucer

Sensor Systems

Long-range Sensors [5 Power/round]	54
Range Package: Type 7 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)	
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)	
Strength Package: Class 10 (Strength 10)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	26
Strength Package: Class 10 (Strength 10)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	24
Strength Package: Class 10 (Strength 10)	
Gain Package: Class Beta (+2)	
Probes: 80	8

Sensors Skill: 5

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Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 4, Coordination 3 [1 Power/round in use] 15
- Navigational Computer
  - Main: Class 3 (+2) [2 Power/round] 4
  - Backups: 2 2
- Inertial Damping Field
  - Main 64
    - Strength: 9 [3 Power/round]
    - Number: 4
  - Backup 16
    - Strength: 9 [2 Power/round]
    - Number: 4
- Attitude Control [2 Power/round] 2

Specialized Flight Control: Manual Steering Column [1 Power/round in use] 1

Communications Systems
- Type: Class 10 [2 Power/round] 26
  - Strength: 10
  - Security: -5
  - Basic Uprating: Class Beta (+2)
- Emergency Communications: Yes [2 Power/round] 1
- Holocommunications: Yes 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] 12
  - Accuracy: 4/5/7/10
  - Location: Forward dorsal
- Emitter: Class Delta [3 Power/Strength used/round] 12
  - Accuracy: 4/5/7/10
  - Location: Forward ventral
- Emitter: Class Delta [3 Power/Strength used/round] 12
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] 6
  - Accuracy: 5/6/8/11
  - Location: One in each shuttlebay

Transporters
- Type: Personnel [5 Power/use] 108
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: Four in saucer, two in Engineering hull
- Type: Emergency [7 Power/use] 108
  - Pads: 24
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: Four in saucer, two in Engineering hull
- Type: Cargo [4 Power/use] 112
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: Five in saucer, three in Engineering hull

Cloaking Device: No

Security Systems
- Rating: 4 16
- Anti-Intruder System: Yes [1 Power/round] 8
- Internal Force Fields [1 Power/3 Strength] 8

Science Systems
- Rating 3 (+2) [3 Power/round] 23
- Specialized Systems: 3 15
- Laboratories: 30 8

TACTICAL SYSTEMS

Saucer Dorsal Forward Phaser Array 57
- Type: XII
  - Damage: 240 [24 Power]
  - Number of Emitters: 200 (up to 5 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal forward
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Aft Port Phaser Array 1 27
- Type: XII
  - Damage: 240 [24 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal aft port
  - Firing Arc: 250 degrees dorsal and aft port
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Aft Starboard Phaser Array 1 27
- Type: XII
  - Damage: 240 [24 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal aft starboard
  - Firing Arc: 250 degrees dorsal and aft starboard
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Aft Port Phaser Array 2 20
- Type: XII
  - Damage: 240 [24 Power]
  - Number of Emitters: 50 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal aft port
  - Firing Arc: 250 degrees dorsal and aft port
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Aft Starboard Phaser Array 2 20
- Type: XII
  - Damage: 240 [24 Power]
  - Number of Emitters: 50 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal aft starboard
  - Firing Arc: 250 degrees dorsal and aft starboard
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Aft Port Phaser Array 3 18
- Type: XII
  - Damage: 240 [24 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 3/4/6/9
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal aft port
  - Firing Arc: 250 degrees dorsal and aft port
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Aft Starboard Phaser Array 3 **18**
Type: XII
Damage: 240 [24 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal aft starboard
Firing Arc: 250 degrees dorsal and aft starboard
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Forward Starboard Phaser Array **56**
Type: XII
Damage: 240 [24 Power]
Number of Emitters: 200 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Saucer ventral forward starboard
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Forward Port Phaser Array **56**
Type: XII
Damage: 240 [24 Power]
Number of Emitters: 200 (up to 5 shots per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Saucer ventral forward port
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Aft Starboard Phaser Array **22**
Type: XII
Damage: 240 [24 Power]
Number of Emitters: 60 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Saucer ventral aft starboard
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Aft Port Phaser Array **22**
Type: XII
Damage: 240 [24 Power]
Number of Emitters: 60 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Saucer ventral forward port
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Phaser Array **27**
Type: XII
Damage: 240 [24 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Engineering ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Ventral Torpedo Launcher **19**
Standard Load: Mark I quantum torpedo (400 Damage)
Spread: 12
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Forward ventral, dorsal of navigational deflecto
Firing Arc: Forward, but are self-guided

Forward Dorsal Torpedo Launcher **19**
Standard Load: Mark I quantum torpedo (400 Damage)
Spread: 12
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Saucer forward dorsal
Firing Arc: Forward, but are self-guided

Saucer Aft Port Torpedo Launcher **19**
Standard Load: Mark I quantum torpedo (400 Damage)
Spread: 12
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Aft saucer, port
Firing Arc: Aft, but are self-guided

Saucer Aft Starboard Torpedo Launcher **19**
Standard Load: Mark I quantum torpedo (400 Damage)
Spread: 12
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Aft saucer, starboard
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 300 **30**

TA/T/TS: Class Gamma [2 Power/round]
Strength: 9
Bonus: +2

Weapons Skill: 5

Shields (Forward, Aft, Port, Starboard) **114 (x4)**
Shield Generator: Class 7 (Protection 1300)
[130 Power/shield/round]
Shield Grid: Type C (50% increase to 1950 Protection)
Subspace Field Distortion Amplifiers: Class Eta (Threshold 430)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **8**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 30 Size worth of ships **60**
Standard Complement: 12 shuttlecraft, 6 shuttlepods
Location(s): Aft Engineering, aft saucer

Captain's Yacht: Yes **10**

DESCRIPTION AND NOTES

Fleet data: The current flagship of the United Federation of Planets, the *U.S.S. Enterprise-E,* is a vessel of a new class and type, the

Sovereign-class Heavy Explorer. The most powerful and technologically sophisticated starship ever created by Starfleet (except perhaps for the *U.S.S. Prometheus*), it represents the pinnacle of over 200 years of advances in starship design and technology.

The *Sovereign*-class was designed following the Battle of Wolf 359, where Starfleet's staggering losses forced it to approach starship construction with a new appreciation for the defense aspects of its mission. A task force composed of personnel from the Office of Strategic Operations, the Theoretical Propulsion Group, Spaceframe Design, and the Tactical Operations Group labored for years in conjunction with Starfleet Research and Development to create the technologies needed for a new, more powerful, group of ships. The results included the pulse phaser cannon, ablative hull armor, bio-neural computer systems, the quantum torpedo, and many new spaceframe designs. These systems were incorporated into the new ships of the Perimeter Defense Directive and, in many cases, into the *Sovereign*-class as well.

Incorporating advances in spaceframe design and ship mission conceptualization, the ASDB created a hull for the *Sovereign*-class which was sleek and powerful, like an arrow shot into the wilds by an errant explorer or a dart aimed at the hearts of the Federation's enemies. Working from the baseline of the *Galaxy*-class Explorer, they lengthened the frame while reducing its height, thus decreasing its profile to enemy attack. The saucer and Engineering hull merged into each other seamlessly, with no saucer separation feature since this ship would carry few, if any, civilian personnel. Rather than follow the lead of the *Defiant-, Saber-,* and *Steamrunner*-classes, which draw the vulnerable warp nacelles into the body of the ship, the Sovereign Design Group chose to employ a traditional nacelle pylon configuration to improve the ship's warp profile.

The *Sovereign*-class's weaponry is similarly advanced. Its 12 phaser arrays incorporate new, experimental Type XII ship phaser emitters, making them the most powerful phasers ever mounted on a starship. Its three torpedo launchers fire the new quantum torpedoes.

Following a successful launch of the testbed *U.S.S. Sovereign* in 2370, Starfleet began work on the first fully functional *Sovereign*-class vessel, the *U.S.S. Enterprise-E*. Two years later that ship launched under the command of Captain Jean-Luc Picard, and so far shows all signs of living up to, and even surpassing, the glorious record established by the ships to bear her name previously.

Noteworthy vessels/service records/encounters: *U.S.S. Sovereign,* prototype; *U.S.S Enterprise-E,* NCC-1701-E, prevented Borg temporal attack on Earth (2372), prevented unjustified displacement of the Ba'ku people (2375).

SPRINGFIELD CLASS

Class and Type: *Springfield*-class Light Frigate

Commissioning Date: 2342

HULL SYSTEMS

Size: 7
Length: 395.63 meters
Beam: 130.43 meters
Height: 58.26 meters
Decks: 11
Mass: 850,000 metric tonnes
SUs Available: 1,900
SUs Used: 1,831

Hull
Outer 28
Inner 28

Resistance
Outer Hull: 6 6
Inner Hull: 6 6

Structural Integrity Field
Main: Class 4 (Protection 70/110)
[1 Power/10 Protection/round] 28
Backup: Class 4 (Protection 40)
[1 Power/10 Protection/round] 14
Backup: Class 4 (Protection 40)
[1 Power/10 Protection/round] 14

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 430/112/4,900

Crew Quarters
Spartan: None
Basic: 400 40
Expanded: 50 10
Luxury: 24 24
Unusual: 6 6

Environmental Systems
Basic Life Support [11 Power/round] 28
Reserve Life Support [6 Power/round] 14
Emergency Life Support (42 emergency shelters) 14
Gravity [4 Power/round] 7
Consumables: 1 year's worth 7
Food Replicators [7 Power/round] 7
Industrial Replicators
Type: Network of small replicators [2 Power/round] 10
Type: 1 large unit [2 Power/replicator/round]
Medical Facilities: 7 (+2) [7 Power/round] 35
Recreation Facilities: 6 [12 Power/round] 48
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round] 21
Fire Suppression System [1 Power/round when active] 7
Cargo Holds: 133,000 cubic meters 4
Locations: Saucer port, saucer starboard, 8 other locations
Escape Pods 9
Number: 160
Capacity: 8 persons per pod

PROPULSION SYSTEMS

Warp Drive
Nacelles: Type 6A2 91
Speed: 6.0/8.0/9.2 [1 Power/.2 warp speed]
PIS: Type I (24 hours of Maximum warp) 18

Impulse Engine
Type: Class 5 (.7c/.9c) [7/9 Power/round] 25
Acceleration Uprating: Class Beta (75% acceleration)
[2 Power/round when active] 4
Location: Saucer aft port and starboard

Impulse Engine
Type: Class 5 (.7c/.9c) [7/9 Power/round] 25
Acceleration Uprating: Class Beta (75% acceleration)
[2 Power/round when active] 4
Location: Engineering aft
Reaction Control System (.025c) [2 Power/round when in use] 7

POWER SYSTEMS

Warp Engine
Type: Class 7/M (generates 399 Power/round) 85
Location: Engineering hull
Impulse Engine[s]: 2 Class 5 (generate 40 Power/engine/round)
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round) 12
Emergency Power: Type E (generates 45 Power/round) 45
EPS: Standard Power flow, +320 Power transfer/round 67

Standard Usable Power: 445

OPERATIONS SYSTEMS

Bridge: Saucer dorsal 35

Computers
Core 1: Saucer port [5 Power/round] 14
Core 2: Saucer starboard [5 Power/round] 14
Core 3: Engineering [5 Power/round] 14
Uprating: Class Alpha (+1) [1 Power/computer/round] 6
ODN 21

Navigational Deflector [5 Power/round] **28**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Engineering forward, ventral of saucer

Sensor Systems
Long-range Sensors [5 Power/round] 41
Range Package: Type 6 (Accuracy 3/4/7/10)
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)
Low Resolution: 16 light-years (1/1.1-5.0/5.1-12.0/12.1-16)
Strength Package: Class 7 (Strength 7)
Gain Package: Class Alpha (+1)
Coverage: Standard
Lateral Sensors [5 Power/round] 17
Strength Package: Class 7 (Strength 7)
Gain Package: Class Alpha (+1)
Coverage: Standard
Navigational Sensors: [5 Power/round] 16
Strength Package: Class 7 (Strength 7)
Gain Package: Class Alpha (+1)
Probes: 40 4

Sensors Skill: 3

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 3 [1 Power/round in use] — 12
- Navigational Computer
  - Main: Class 2 (+1) [1 Power/round] — 2
  - Backups: 2 — 2
- Inertial Damping Field
  - Main — 56
    - Strength: 9 [3 Power/round]
    - Number: 4
  - Backup — 16
    - Strength: 6 [2 Power/round]
    - Number: 4
- Attitude Control [2 Power/round] — 2

Communications Systems
- Type: Class 8 [2 Power/round] — 19
  - Strength: 8
  - Security: -3
  - Basic Uprating: Class Alpha (+1)
- Emergency Communications: Yes [2 Power/round] — 1

Tractor Beams
- Emitter: Class Gamma [3 Power/Strength used/round] — 9
  - Accuracy: 4/5/7/10
  - Location: Forward dorsal
- Emitter: Class Gamma [3 Power/Strength used/round] — 9
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] — 3
  - Accuracy: 5/6/8/11
  - Location: Shuttlebay

Transporters
- Type: Personnel [5 Power/use] — 48
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: Two in saucer, one in Engineering
- Type: Emergency [5 Power/use] — 42
  - Pads: 15
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: Two in saucer, one in Engineering
- Type: Cargo [4 Power/use] — 24
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: One in saucer, one in Engineering

Cloaking Device: None

Security Systems
- Rating: 3 — 12
- Anti-Intruder System: Yes [1 Power/round] — 7
- Internal Force Fields [1 Power/3 Strength] — 7

Science Systems
- Rating 2 (+1) [2 Power/round] — 17
- Specialized Systems: 1 — 5
- Laboratories: 9 — 2

TACTICAL SYSTEMS

Saucer Dorsal Forward Starboard Phaser Array — 27
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal forward starboard
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Forward Port Phaser Array — 27
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal forward port
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Aft Starboard Phaser Array — 18
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 60 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal aft starboard
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Aft Port Phaser Array — 18
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 60 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal aft port
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Forward Starboard Phaser Array — 26
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral forward starboard
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Forward Port Phaser Array — 26
- Type: VIII
  - Damage: 160 [16 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral forward port
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 80 **8**

TA/T/TS: Class Beta [1 Power/round] **9**
Strength: 8
Bonus: +1

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **66 (x4)**
Shield Generator: Class 4 (Protection 690)
[69 Power/shield/round]
Shield Grid: Type C (50% increase to 1035 Protection)
Subspace Field Distortion Amplifiers: Class Delta (Threshold 200)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **7**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 25 Size worth of ships **50**
Standard Complement: 9 shuttlecraft, 7 shuttlepods
Location(s): Saucer aft

Captain's Yacht: Yes **10**

DESCRIPTION AND NOTES

Fleet data: This vessel, unusually large for a Frigate, particularly a Light Frigate, is considered by many a predecessor of the *Sovereign*-class Heavy Explorer. It incorporates, sometimes for the first time in Starfleet history, many features which were later adapted and improved upon for the *Sovereign*-class ship. Examples include its saucer (which, while based on designs from the *Galaxy*-class development program, is somewhat more oval and elongated), the multiple phaser strips around the saucer covering almost all angles around the ship, and a relatively short connecting interhull.

The *Springfield*-class ship is designed for missions where speed and power are essential. Among its more common mission profiles are patrol of relatively calm frontier regions, search and rescue, escort, and support. While it is now a bit dated, regular maintenance and routine upratings have managed to keep it an active and valuable part of the fleet.

Noteworthy vessels/service records/ encounters: *U.S.S. Springfield,* prototype (not to be confused with the *U.S.S. Springfield,* NCC-1936, a 23rd-century vessel of another class); *U.S.S. Chekov,* NCC-53702, destroyed by the Borg at the Battle of Wolf 359 (2367); *U.S.S. Stoneman,* NCC-55376, tasked to the Ninth Fleet at Deep Space 9 to search for lost or missing vessels (2373-2375). Also in service: *U.S.S. Richmond,* NCC-64275; *U.S.S. Hur'gaas,* NCC-59261.

STEAMRUNNER CLASS

Class and Type: *Steamrunner*-class Heavy Frigate

Commissioning Date: 2369

HULL SYSTEMS

Size: 6
- Length: 365.54 meters
- Beam: 245.72 meters
- Height: 75.43 meters
- Decks: 16
- Mass: 1,605,000 metric tonnes
- SUs Available: 2,200
- SUs Used: 2,099

Hull

Outer	24
Inner	24

Resistance

Outer Hull: 8	9
Inner Hull: 8	9
Ablative Armor: 800	160

Structural Integrity Field

Main: Class 5 (Protection 80/120)	
[1 Power/10 Protection/round]	30
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	15
Backup: Class 5 (Protection 40)	
[1 Power/10 Protection/round]	15

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 437/93/5,750

Crew Quarters

Spartan: None	
Basic: 400	40
Expanded: 75	15
Luxury: 30	30
Unusual: 10	10

Environmental Systems

Basic Life Support [10 Power/round]	24
Reserve Life Support [5 Power/round]	12
Emergency Life Support (36 emergency shelters)	12
Gravity [3 Power/round]	6
Consumables: 1 year's worth	6
Food Replicators [6 Power/round]	6
Industrial Replicators	12
Type: Network of small replicators [2 Power/round]	
Type: 2 large units [2 Power/replicator/round]	
Medical Facilities: 8 (+2) [8 Power/round]	40
EMH: Mark I [2 Power/round when active]	5
Recreation Facilities: 6 [12 Power/round]	
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	18
Fire Suppression System [1 Power/round when active]	6
Cargo Holds: 100,000 cubic meters	3
Locations: Saucer port, saucer starboard, 10 other locations	
Escape Pods	8
Number: 140	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6D7	107
Speed: 6.0/9.2/9.7 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 8 (.75c/.95c) [7/9 Power/round]	40
Acceleration Uprating: Class Alpha (66% acceleration)	
[1 Power/round when active]	2
Location: Saucer aft	
Reaction Control System (.025c) [2 Power/round when in use]	6

POWER SYSTEMS

Warp Engine

Type: Class 9/0 (generates 499 Power/round)	95
Location: Saucer	
Impulse Engine[s]: 1 Class 8 (generate 64 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +300 Power transfer/round	60

Standard Usable Power: 563

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	30

Computers

Core 1: Saucer port [5 Power/round]	12
Core 2: Saucer starboard [5 Power/round]	12
Uprating: Class Beta (+2) [2 Power/computer/round]	8
ODN	18

Navigational Deflector [5 Power/round] **24**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Aft pod

Sensor Systems

Long-range Sensors [5 Power/round]	52
Range Package: Type 7 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)	
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)	
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	24
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	22
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Probes: 40	4

Sensors Skill: 4

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 3	
[1 Power/round in use]	12

Navigational Computer
Main: Class 3 (+2) [2 Power/round] 4
Backups: 2 2
Inertial Damping Field
Main 36
Strength: 9 [3 Power/round]
Number: 3
Backup 9
Strength: 6 [2 Power/round]
Number: 3
Attitude Control [2 Power/round] 2

Communications Systems
Type: Class 9 [2 Power/round] 21
Strength: 9
Security: -4
Basic Uprating: Class Alpha (+1)
Emergency Communications: Yes [2 Power/round] 1
Holocommunications: Yes 1

Tractor Beams
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Forward dorsal
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Forward ventral
Emitter: Class Alpha [3 Power/Strength used/round] 6
Accuracy: 5/6/8/11
Location: One in each shuttlebay

Transporters
Type: Personnel [5 Power/use] 54
Pads: 6
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class I (Strength 9)
Number and Location: 3 in saucer
Type: Emergency [5 Power/use] 48
Pads: 16
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class I (Strength 9)
Number and Location: 3 in saucer
Type: Cargo [4 Power/use] 28
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class I (Strength 9)
Number and Location: 2 in saucer

Cloaking Device: None

Security Systems
Rating: 4 16
Anti-Intruder System: Yes [1 Power/round] 6
Internal Force Fields [1 Power/3 Strength] 6

Science Systems
Rating 2 (+1) [2 Power/round] 16
Specialized Systems: 1 5
Laboratories: 9 2

TACTICAL SYSTEMS

Forward Central Phaser Array **31**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Forward, between shuttlebay doors
Firing Arc: 360 degrees forward
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Starboard Phaser Array **31**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Forward, just starboard of shuttlebay doors
Firing Arc: 360 degrees forward
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Port Phaser Array **31**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Forward, just port of shuttlebay doors
Firing Arc: 360 degrees forward
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Forward Dorsal Phaser Array **31**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Starboard Phaser Array **31**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer ventral starboard
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Port Phaser Array **31**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer ventral port
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Starboard Phaser Array **23**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Aft on starboard deflector pylon
Firing Arc: 360 degrees aft
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Port Phaser Array **23**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Aft on port deflector pylon
Firing Arc: 360 degrees aft
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Ventral Torpedo Launcher **17**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Foward ventral
Firing Arc: Forward, but are self-guided

Aft Starboard Torpedo Launcher **17**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft, starboard deflector pylon
Firing Arc: Aft, but are self-guided

Aft Port Torpedo Launcher **17**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft, port deflector pylon
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 200 **20**

TA/T/TS: Class Gamma [2 Power/round]
Strength: 9
Bonus: +2

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **60 (x4)**
Shield Generator: Class 4 (Protection 750)
[75 Power/shield/round]
Shield Grid: Type C (50% increase to 1125 Protection)
Subspace Field Distortion Amplifiers: Class Epsilon (Threshold 250)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **6**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 60 Size worth of ships **120**
Standard Complement: Up to 30 Starfleet Attack Fighters; any remaining space is occupied by shuttles
Location(s): Saucer forward, saucer aft

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: As the second of the Perimeter Defense Directive ships, the *Steamrunner*-class Heavy Frigate drew on the design elements of its bigger cousin, the *Akira*-class Heavy Cruiser. Like that ship, the *Steamrunner* uses an aft rollbar-like structure, though in this case its pod holds the ship's deflector rather than its warp drive system. Like the *Defiant*- and *Saber*-classes, the *Steamrunner* pulls its warp nacelles in, reducing their vulnerability by dispensing with the standard nacelle-pylon configuration.

The *Steamrunner*-class was designed with a relatively specific set of mission profiles in mind. These include perimeter patrol and defense, long-range threat response, covert operations, and combat support. To help fulfill the latter role, the *Steamrunner,* like the *Akira,* has a large through-saucer shuttlebay used to carry Starfleet attack fighters and other small vessels into battle. Fighters leave through the two large shuttle doors on the forward side of the saucer, then circle back to the aft side to land when they're ready to return home. In between the two bays is a large repair and maintenance bay.

With its size, powerful engines, and offensive strength, the *Steamrunner* has proven itself a capable and durable combatant. Ships of this class played a major role in many battles during the Dominion War.

Noteworthy vessels/service records/ encounters: *U.S.S. Steamrunner,* prototype; *U.S.S. Matewan,* NCC-53446, lost during an interdiction operation along Romulan border (2371); *U.S.S. Appalachia,* NCC-52136, defended Earth against Borg incursion (2373); *U.S.S. Great Smokey,* NCC-51967, engaged the Tholians during the Draconis IX Perimeter Action (2371); *U.S.S. Sutter,* NCC-63749, lost during routine patrol of the Cardassian Demilitarized Zone (2370); *U.S.S. Adirondack,* NCC-63678, destroyed during assault on Chin'toka System (2374). Also in service: *U.S.S. Wanderer,* NCC-64590; *U.S.S. Circassia,* NCC-65203.

SURAK CLASS

Class and Type: *Surak*-class Escort

Commissioning Date: 2355

HULL SYSTEMS

Size: 4
- Length: 118.36 meters
- Beam: 31.26 meters
- Height: 24.65 meters
- Decks: 5
- Mass: 81,000 metric tonnes
- SUs Available: 1,235
- SUs Used: 1,165

Hull

Outer	16
Inner	16

Resistance

Outer Hull: 6	6
Inner Hull: 6	6

Structural Integrity Field

Main: Class 3 (Protection 60/90)	
[1 Power/10 Protection/round]	22
Backup: Class 3 (Protection 30)	
[1 Power/10 Protection/round]	11
Backup: Class 3 (Protection 30)	
[1 Power/10 Protection/round]	11

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 34/18/240

Crew Quarters

Spartan: None	
Basic: 35	4
Expanded: 10	10
Luxury: 5	5
Unusual: 0	

Environmental Systems

Basic Life Support [7 Power/round]	16
Reserve Life Support [4 Power/round]	8
Emergency Life Support (24 emergency shelters)	8
Gravity [2 Power/round]	4
Consumables: 1 year's worth	4
Food Replicators [4 Power/round]	4
Industrial Replicators	4
Type: Network of small replicators [2 Power/round]	
Medical Facilities: 5 (+1) [5 Power/round]	20
Recreation Facilities: 4 [8 Power/round]	32
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	12
Fire Suppression System [1 Power/round when active]	4
Cargo Holds: 5,000 cubic meters	1
Locations: Aft	
Escape Pods	5
Number: 100	
Capacity: 4 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6B	95
Speed: 6.0/8.6/9.2 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 5A (.72c/.9c) [7/9 Power/round]	28
Acceleration Uprating: Class Alpha (66% acceleration)	
[1 Power/round when active]	2
Location: Aft starboard, aft port	
Reaction Control System (.025c) [2 Power/round when in use]	4

POWER SYSTEMS

Warp Engine

Type: Class 5/H (generates 299 Power/round)	65
Location: Engineering hull	
Impulse Engine[s]: 1 Class 5A (generate 44 Power/engine/round)	
Auxiliary Power: 2 reactors (generate 5 Power/reactor/round)	6
Emergency Power: Type C (generates 35 Power/round)	35
EPS: Standard Power flow, +150 Power transfer/round	35

Standard Usable Power: 343

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	20

Computers

Core 1: Saucer [5 Power/round]	8
ODN	12

Navigational Deflector [5 Power/round] 16
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Engineering forward, ventral of saucer

Sensor Systems

Long-range Sensors [5 Power/round]	37
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	17
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	16
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Probes: 30	3

Sensors Skill: 3

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2	
[1 Power/round in use]	11
Navigational Computer	
Main: Class 2 (+1) [1 Power/round]	2
Backups: 1	1

Inertial Damping Field
Main 24
Strength: 9 [3 Power/round]
Number: 3
Backup 6
Strength: 6 [2 Power/round]
Number: 3
Attitude Control [1 Power/round] 1

Communications Systems
Type: Class 7 [2 Power/round] 19
Strength: 7
Security: -4 (Class Gamma uprating)
Basic Uprating: Class Alpha (+1)

Tractor Beams
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Forward
Emitter: Class Gamma [3 Power/Strength used/round] 9
Accuracy: 4/5/7/10
Location: Aft
Emitter: Class Alpha [3 Power/Strength used/round] 6
Accuracy: 5/6/8/11
Location: One in each shuttlebay

Transporters
Type: Personnel [5 Power/use] 32
Pads: 6
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: One in saucer, one in Engineering hull
Type: Emergency [5 Power/use] 26
Pads: 12
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: One in saucer, one in Engineering hull
Type: Cargo [4 Power/use] 24
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: One in saucer, one in Engineering hull

Cloaking Device: None

Security Systems
Rating: 3 12
Anti-Intruder System: Yes [1 Power/round] 4
Internal Force Fields [1 Power/3 Strength] 4

Science Systems
Rating 1 (+0) [1 Power/round] 9
Specialized Systems: None
Laboratories: 3 2

TACTICAL SYSTEMS

Saucer Forward Dorsal Phaser Array 25
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal forward
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Forward Ventral Phaser Array 25
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer ventral forward
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Starboard Pylon Phaser Array 14
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Starboard pylon
Firing Arc: 360 degrees starboard
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Port Pylon Phaser Array 14
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 40 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Port pylon
Firing Arc: 360 degrees port
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Phaser Array 21
Type: IX
Damage: 180 [18 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Aft weapons pod
Firing Arc: 360 degrees aft
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Dorsal Torpedo Launcher 15
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer forward dorsal
Firing Arc: Forward, but are self-guided

Forward Ventral Torpedo Launcher 15
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer forward ventral
Firing Arc: Forward, but are self-guided

Aft Starboard Torpedo Launcher 15
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft weapons pod, starboard
Firing Arc: Aft, but are self-guided

Aft Port Torpedo Launcher 15
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft weapons pod, port
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 40 4

TA/T/TS: Class Beta [1 Power/round] 9
Strength: 8
Bonus: +1

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) 28 (x4)
Shield Generator: Class 2 (Protection 400)
[40 Power/shield/round]
Shield Grid: Type C (50% increase to 600 Protection)
Subspace Field Distortion Amplifiers: Class Beta (Threshold 100)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System 4

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 4 Size worth of ships 8
Standard Complement: 2 shuttlecraft
Location(s): Aft port, aft starboard

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: Influenced by the designers' perceptions of Vulcan aesthetics, the *Surak*-class Escort features an unusual design in which the Engineering hull attaches directly to the aft side of a relatively shallow saucer section, giving the vehicle a dorsal profile resembling an old-fashioned Earth keyhole. The warp nacelle pylons are swept back; they attach to the dorsal aft part of the Engineering hull and project downwards, giving the vessel a fast, "sporty" appearance.

Ironically, the ASDB named this well-armed Escort, designed to protect merchant caravans and accompany larger vessels to war, after a man of peace. In addition to phasers and torpedoes mounted forward and on the pylons, the vessel has an aft weapons pod containing two torpedo launchers and a phaser array. Compared to more modern Escorts, the *Surak*-class sometimes seems lightly armed, and is gradually being relegated to duty in less dangerous, more settled areas.

Noteworthy vessels/service records/ encounters: *U.S.S. Surak,* prototype; *U.S.S. Zapata,* NCC-33184, protected merchant caravans during the Dominion War (2373-75); *U.S.S. Gah'tal,* NCC-35892, participated in Operation Return (2374).

TALON CLASS

Class and Type: *Talon*-class Scout

Commissioning Date: 2373

HULL SYSTEMS

Size: 2
Length: 24.36 meters
Beam: 16.26 meters
Height: 6.31 meters
Decks: 1
Mass: 15.7 metric tonnes
SUs Available: 625
SUs Used: 624

Hull
Outer 8
Inner 8

Resistance
Outer Hull: 4 3
Inner Hull: 4 3

Structural Integrity Field
Main: Class 3 (Protection 60/90)
[1 Power/10 Protection/round] 20
Backup: Class 3 (Protection 30)
[1 Power/10 Protection/round] 10

Specialized Hull: Atmospheric Capability; Planetfall Capability **4**

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 4/10/36

Crew Quarters
Spartan: 5 1
Basic: None
Expanded: None
Luxury: None
Unusual: None

Environmental Systems
Basic Life Support [4 Power/round] 8
Reserve Life Support [2 Power/round] 4
Emergency Life Support (8 emergency shelters) 4
Gravity [1 Power/round] 2
Consumables: 2 months' worth 1
Food Replicators [2 Power/round] 2
Medical Facilities: 1 (+0) [2 Power/round] 5
Recreation Facilities: 1 [2 Power/round] 8
Personnel Transport: Jefferies tubes [0 Power/round] 2
Fire Suppression System [1 Power/round when active] 2
Cargo Holds: 1,250 cubic meters 1
Locations: 3 locations throughout the ship
Escape Pods 1
Number: 10
Capacity: 4 persons per pod

PROPULSION SYSTEMS

Warp Drive
Nacelles: Type 1B 10
Speed: 1.5/3.0/5.0 [1 Power/.2 warp speed]
PIS: Type I (24 hours of Maximum warp) 18
Uprating: Package 1 for Standard, Sustainable, and Maximum 6
Special Configuration: Embedded 8

Impulse Engine
Type: Class 5 (.7c/.9c) [7/9 Power/round] 25
Acceleration Uprating: Class Beta (75% acceleration) [2 Power/round when active] 4
Location: Aft
Reaction Control System (.025c) [2 Power/round when in use] 2

POWER SYSTEMS

Warp Engine
Type: Class 5/H (generates 250 Power/round) 60
Location: Aft amidships
Impulse Engine[s]: 1 Class 5 (generate 40 Power/engine/round)
Auxiliary Power: 2 reactors (generate 5 Power/reactor/round) 6
Emergency Power: Type A (generates 25 Power/round) 25
EPS: Standard Power flow, +80 Power transfer/round 18

Standard Usable Power: 290

OPERATIONS SYSTEMS

Bridge: Forward cockpit 10

Computers
Core 1: Amidships [5 Power/round] 4
ODN 6

Navigational Deflector [5 Power/round] **8**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Forward dorsal

Sensor Systems
Long-range Sensors [5 Power/round] 42
Range Package: Type 6 (Accuracy 3/4/7/10)
High Resolution: .5/.6-1.0/1.1-3.7/3.8-5.0
Low Resolution: 1 1/1.1-5.0/5.1-12.0/12.1-16
Strength Package: Class 6 (Strength 6)
Gain Package: Class Beta (+2)
Coverage: Standard
Lateral Sensors [5 Power/round] 21
Strength Package: Class 6 (Strength 6)
Gain Package: Class Gamma (+3)
Coverage: Standard
Navigational Sensors: [5 Power/round] 16
Strength Package: Class 6 (Strength 6)
Gain Package: Class Beta (+2)
Probes: 10 1

Sensors Skill: 4

Flight Control Systems
Autopilot: Shipboard Systems (Flight Control) 3, Coordination 3 [1 Power/round in use] 12

Navigational Computer
Main: Class 2 (+1) [1 Power/round] 2
Backups: 2 2
Inertial Damping Field
Main 8
Strength: 9 [3 Power/round]
Number: 2
Backup 3
Strength: 6 [2 Power/round]
Number: 3
Attitude Control [1 Power/round] 1

Communications Systems
Type: Class 6 [2 Power/round] 15
Strength: 6
Security: -3
Basic Uprating: Class Alpha (+1)
Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Beta [3 Power/Strength used/round] 6
Accuracy: 5/6/8/11
Location: Forward
Emitter: Class Beta [3 Power/Strength used/round] 6
Accuracy: 5/6/8/11
Location: Aft

Transporters
Type: Personnel [4 Power/use] 14
Pads: 4
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class F (Strength 6)
Number and Location: 1 forward amidships

Cloaking Device: None

Security Systems
Rating: 2 8
Anti-Intruder System: Yes [1 Power/round] 2
Internal Force Fields [1 Power/3 Strength] 2

Science Systems
Rating 1 (+0) [1 Power/round] 7
Specialized Systems: None
Laboratories: 6 2

TACTICAL SYSTEMS

Forward Starboard Phaser Array **17**
Type: V
Damage: 100 [10 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Starboard of central structure, just forward of nacelle housing
Firing Arc: 270 degrees starboard and forward
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Port Phaser Array **17**
Type: V
Damage: 100 [10 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Port of central structure, just forward of nacelle housing
Firing Arc: 270 degrees port and forward
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Starboard Phaser Array **17**
Type: V
Damage: 100 [10 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Aft of starboard nacelle housing
Firing Arc: 270 degrees starboard and aft
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Port Phaser Array **17**
Type: V
Damage: 100 [10 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Aft of port nacelle housing
Firing Arc: 270 degrees port and aft
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Starboard Microtorpedo Launcher **5.5**
Standard Load: Microtorpedo (50 Damage)
Spread: 5
Range: 1/100/500/2000
Targeting System: Accuracy 5/6/8/11
Power: [1]
Location: Forward edge of starboard nacelle housing
Firing Arc: Forward, but are self-guided

Port Microtorpedo Launcher **5.5**
Standard Load: Microtorpedo (50 Damage)
Spread: 5
Range: 1/100/500/2000
Targeting System: Accuracy 5/6/8/11
Power: [1]
Location: Forward edge of port nacelle housing
Firing Arc: Forward, but are self-guided

Ventral Forward Microtorpedo Launcher **5.5**
Standard Load: Microtorpedo (50 Damage)
Spread: 5
Range: 1/100/500/2000
Targeting System: Accuracy 5/6/8/11
Power: [1]
Location: Forward ventral
Firing Arc: Forward, but are self-guided

Microtorpedoes Carried: 150 **1.5**

TA/T/TS: Class Alpha [0 Power/round] **6**
Strength: 7
Bonus: +0

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) 12 (x4)
Shield Generator: Class 2 (Protection 340 + 100 [embedded nacelles]) [34 Power/shield/round]
Shield Grid: Type A (25% increase to 425 Protection)
Subspace Field Distortion Amplifiers: Class Beta (Threshold 100 + 10 [embedded nacelles])
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System 2

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): None

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The newest Scout produced by Starfleet, the *Talon*-class vessel incorporates a number of advances in starship design. Small enough to be carried aboard a capital ship in a shuttlebay, its streamlined shape allows it to enter and maneuver in atmospheres, and even to make planetfall; in or out of an atmosphere, it's extremely maneuverable. It has powerful sensors for a ship of its size, allowing it to perform very long-range scouting missions. And with its three phaser arrays and three microtorpedo launchers, it's heavily enough armed to take on many threats.

The *Talon* class also represents Starfleet's first use of fully embedded warp nacelles on a field vessel. Following the success of ships with partially-embedded nacelles, such as the *Steamrunner*- and *Saber*-classes, the ASDB decided to develop a vessel with its nacelles fully encased within the ship's body. Starfleet continues to evaluate this technology, which it refers to as "encased" nacelles, and may introduce it into additional ships if the *Talon* doesn't reveal any problems.

Noteworthy vessels/service records/ encounters: *U.S.S. Talon,* NCC-75227, prototype, assigned to Starbase 315 (2373); *U.S.S. Sparrowhawk,* NCC-75439, performed several crucial recon missions behind enemy lines during the Dominion War (2374-75).

WAMBUNDU CLASS

Class and Type: *Wambundu*-class Heavy Cruiser
Commissioning Date: 2328

HULL SYSTEMS

Size: 7
Length: 425.65 meters
Beam: 225.86 meters
Height: 123.37 meters
Decks: 27
Mass: 3,100,000 metric tonnes
SUs Available: 2,175
SUs Used: 2,052

Hull

Outer	28
Inner	28

Resistance

Outer Hull: 8	9
Inner Hull: 4	3

Structural Integrity Field

Main: Class 4 (Protection 70/110)	
[1 Power/10 Protection/round]	28
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	14
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	14

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 560/110/6,550

Crew Quarters

Spartan: None	
Basic: 500	50
Expanded: 125	25
Luxury: 15	15
Unusual: 5	5

Environmental Systems

Basic Life Support [11 Power/round]	28
Reserve Life Support [6 Power/round]	14
Emergency Life Support (42 emergency shelters)	14
Gravity [4 Power/round]	7
Consumables: 2 years' worth	14
Food Replicators [7 Power/round]	7
Industrial Replicators	10
Type: Network of small replicators [2 Power/round]	
Type: 1 large unit [2 Power/replicator/round]	
Medical Facilities: 7 (+2) [7 Power/round]	35
Recreation Facilities: 7 [14 Power/round]	56
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	21
Fire Suppression System [1 Power/round when active]	7
Cargo Holds: 200,000 cubic meters	6
Locations: Saucer port, saucer starboard, Engineering, 12 other locations	
Escape Pods	9
Number: 160	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6C4	101
Speed: 6.0/9.0/9.4 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 6 (.75c/.9c) [7/9 Power/round]	30
Location: Saucer aft port and starboard	
Reaction Control System (.025c) [2 Power/round when in use]	7

POWER SYSTEMS

Warp Engine

Type: Class 9/0 (generates 499 Power/round)	105
Location: Engineering hull	
Impulse Engine[s]: 1 Class 6 (generate 48 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type E (generates 45 Power/round)	45
EPS: Standard Power flow, +300 Power transfer/round	65

Standard Usable Power: 547

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	35

Computers

Core 1: Saucer port [5 Power/round]	14
Core 2: Saucer starboard [5 Power/round]	14
Core 3: Engineering [5 Power/round]	14
Uprating: Class Alpha (+1) [1 Power/computer/round]	6
ODN	21

Navigational Deflector [5 Power/round] **28**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Engineering forward, ventral of saucer

Sensor Systems

Long-range Sensors [5 Power/round]	46
Range Package: Type 6 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 16 light-years (1/1.1-5.0/5.1-12.0/12.1-16)	
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	22
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	20
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Beta (+2)	
Probes: 60	6

Sensors Skill: 4

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2	
[1 Power/round in use]	11

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Navigational Computer
- Main: Class 3 (+2) [2 Power/round] 4
- Backups: 2 2

Inertial Damping Field
- Main 56
  - Strength: 9 [3 Power/round]
  - Number: 4
- Backup 16
  - Strength: 6 [2 Power/round]
  - Number: 4

Attitude Control [2 Power/round] 2

Communications Systems
- Type: Class 8 [2 Power/round] 19
  - Strength: 8
  - Security: -3
  - Basic Uprating: Class Alpha (+1)
- Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] 12
  - Accuracy: 4/5/7/10
  - Location: Forward ventral
- Emitter: Class Delta [3 Power/Strength used/round] 12
  - Accuracy: 4/5/7/10
  - Location: Forward dorsal
- Emitter: Class Delta [3 Power/Strength used/round] 12
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] 6
  - Accuracy: 5/6/8/11
  - Location: One in each shuttlebay

Transporters
- Type: Personnel [5 Power/use] 68
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Three in saucer, one in Engineering hull
- Type: Emergency [6 Power/use] 64
  - Pads: 20
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Three in saucer, one in Engineering hull
- Type: Cargo [4 Power/use] 39
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Two in saucer, one in Engineering hull

Cloaking Device: None

Security Systems
- Rating: 4 16
- Anti-Intruder System: Yes [1 Power/round] 7
- Internal Force Fields [1 Power/3 Strength] 7

Science Systems
- Rating 2 (+1) [2 Power/round] 17
- Specialized Systems: 2 10
- Laboratories: 19 4

TACTICAL SYSTEMS

Saucer Dorsal Phaser Array **43**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 180 (up to 4 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Starboard Phaser Array **27**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 100 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral starboard
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Port Phaser Array **27**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 100 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral port
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Starboard Phaser Array **23**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering hull starboard
  - Firing Arc: 360 degrees starboard
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Port Phaser Array **23**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering hull port
  - Firing Arc: 360 degrees port
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Aft Dorsal Phaser Array **23**
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering hull aft dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Aft Ventral Phaser Array **23**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering hull aft ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Ventral Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral, just dorsal of navigational deflector
Firing Arc: Forward, but are self-guided

Forward Dorsal Port Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward dorsal port
Firing Arc: Forward, but are self-guided

Forward Dorsal Starboard Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward dorsal starboard
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Engineering hull aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 100 **10**

TA/T/TS: Class Beta [1 Power/round] **9**
Strength: 8
Bonus: +1

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **70 (x4)**
Shield Generator: Class 4 (Protection 750)
[75 Power/shield/round]
Shield Grid: Type C (50% increase to 1125 Protection)
Subspace Field Distortion Amplifiers: Class Epsilon (Threshold 250)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **7**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 25 Size worth of ships **50**
Standard Complement: 10 shuttlecraft, 5 shuttlepods
Location(s): Saucer aft, Engineering forward dorsal

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: Designed to patrol the Federation's chaotic and often dangerous frontiers during the first half of the 24th century, the *Wambundu*-class Heavy Cruiser has proven both powerful and long-lived. Many of its design elements represent early stages of late 24th century elements. For example, its Engineering hull tapers in the aft region to a flatter area, as much akin to a *Galaxy*-class Explorer as a *Constitution*-class Explorer. Other elements, such as the ship's port and starboard Engineering hull phaser arrays, were later abandoned as impractical or unnecessary for most ships.

The *Wambundu*-class has frequently served as a testbed for new, experimental systems, and has been uprated on a regular basis. For example, its original Type VII phaser arrays have been replaced with modern Type X arrays. However, the class is reaching the limits of its upratability, and as the new Heavy Cruisers and related vessels of the Perimeter Defense Directive become a more important part of the fleet, many *Wambundu*-class vessels are being refitted and recommissioned for other duties. For example, the *U.S.S. Fleming,* NCC-20316, now serves primarily as a medical transport and supply ship.

Noteworthy vessels/service records/ encounters: *U.S.S. Wambundu,* prototype; *U.S.S. Drake,* NCC-20381, destroyed by ancient automated Minosian weapons system (2364) (not to be confused with *Andromeda*-class vessel of the same name); *U.S.S. Ogun,* NCC-24572, fought the Tholians during the Draconis IX Perimeter Action (2371). Also in service: *U.S.S. V'torrekh,* NCC-27943; *U.S.S. Doyle,* NCC-31649.

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YEAGER CLASS

Class and Type: *Yeager*-class Light Cruiser
Commissioning Date: 2373

HULL SYSTEMS

Size: 6
Length: 402.11 meters
Beam: 195.64 meters
Height: 58.69 meters
Decks: 13
Mass: 550,000 metric tonnes
SUs Available: 1,750
SUs Used: 1,603

Hull
Outer 24
Inner 24

Resistance
Outer Hull: 6 6
Inner Hull: 6 6

Structural Integrity Field
Main: Class 6 (Protection 90/130)
[1 Power/10 Protection/round] 33
Backup: Class 6 (Protection 50)
[1 Power/10 Protection/round] 17
Backup: Class 6 (Protection 50)
[1 Power/10 Protection/round] 17

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 204/60/3,500

Crew Quarters
Spartan: None
Basic: 175 18
Expanded: 50 10
Luxury: 15 15
Unusual: 5 5

Environmental Systems
Basic Life Support [10 Power/round] 24
Reserve Life Support [5 Power/round] 12
Emergency Life Support (36 emergency shelters) 12
Gravity [3 Power/round] 6
Consumables: 1 year's worth 6
Food Replicators [6 Power/round] 6
Industrial Replicators 9
Type: Network of small replicators [2 Power/round]
Type: 1 large unit [2 Power/replicator/round]
Medical Facilities: 7 (+2) [7 Power/round] 35
Recreation Facilities: 5 [10 Power/round] 40
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round] 18
Fire Suppression System [1 Power/round when active] 6
Cargo Holds: 66,000 cubic meters 2
Locations: Saucer port, saucer starboard, Engineering, 3 other locations
Escape Pods 7
Number: 140
Capacity: 4 persons per pod

PROPULSION SYSTEMS

Warp Drive
Nacelles: Type 6C4 101
Speed: 6.0/9.0/9.55 [1 Power/.2 warp speed]
PIS: Type H (12 hours of Maximum warp) 16
Uprating: Package 1 (+0.15 for Maximum) 2

Impulse Engine
Type: Class 6 (.75c/.9c) [7/9 Power/round] 30
Location: Saucer aft, port and starboard
Reaction Control System (.025c) [2 Power/round when in use] 6

POWER SYSTEMS

Warp Engine
Type: Class 8/N (generates 449 Power/round) 95
Location: Engineering hull
Impulse Engine[s]: 1 Class 6 (generate 48 Power/engine/round)
Auxiliary Power: 3 reactors (generate 5 Power/reactor/round) 9
Emergency Power: Type C (generates 35 Power/round) 35
EPS: Standard Power flow, +200 Power transfer/round 50

Standard Usable Power: 497

OPERATIONS SYSTEMS

Bridge: Saucer dorsal 30

Computers
Core 1: Saucer [5 Power/round] 12
Core 2: Engineering [5 Power/round] 12
ODN 18

Navigational Deflector [5 Power/round] 24
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Engineering forward, ventral of saucer

Sensor Systems
Long-range Sensors [5 Power/round] 39
Range Package: Type 5 (Accuracy 3/4/7/10)
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)
Strength Package: Class 8 (Strength 8)
Gain Package: Class Alpha (+1)
Coverage: Standard
Lateral Sensors [5 Power/round] 19
Strength Package: Class 8 (Strength 8)
Gain Package: Class Alpha (+1)
Coverage: Standard
Navigational Sensors: [5 Power/round] 18
Strength Package: Class 8 (Strength 8)
Gain Package: Class Alpha (+1)
Probes: 40 4

Sensors Skill: 3

Flight Control Systems
Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2
[1 Power/round in use] 11
Navigational Computer
Main: Class 2 (+1) [1 Power/round] 2
Backups: 2 2

Inertial Damping Field
Main 36
Strength: 9 [3 Power/round]
Number: 3
Backup 9
Strength: 6 [2 Power/round]
Number: 3
Attitude Control [2 Power/round] 2

Communications Systems
Type: Class 8 [2 Power/round] 16
Strength: 8
Security: -3
Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Forward ventral
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Forward dorsal
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Aft ventral
Emitter: Class Alpha [3 Power/Strength used/round] 3
Accuracy: 5/6/8/11
Location: Shuttlebay

Transporters
Type: Personnel [5 Power/use] 48
Pads: 6
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: Two in saucer, one in Engineering hull
Type: Emergency [6 Power/use] 45
Pads: 18
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: Two in saucer, one in Engineering hull
Type: Cargo [4 Power/use] 24
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: One in saucer, one in Engineering hull

Cloaking Device: None

Security Systems
Rating: 4 16
Anti-Intruder System: Yes [1 Power/round] 6
Internal Force Fields [1 Power/3 Strength] 6

Science Systems
Rating 2 (+1) [2 Power/round] 16
Specialized Systems: 1 5
Laboratories: 7 2

TACTICAL SYSTEMS

Saucer Dorsal Starboard Phaser Array 23
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal starboard
Firing Arc: 250 degrees dorsal starboard
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Port Phaser Array 23
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer dorsal port
Firing Arc: 250 degrees dorsal port
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Phaser Array 23
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Saucer ventral
Firing Arc: 250 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Starboard Pylon Phaser Cannon 15
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 60 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Ventral of starboard pylon
Firing Arc: 180 degrees forward
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Port Pylon Phaser Cannon 15
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 60 (up to 1 shot per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Ventral of port pylon
Firing Arc: 180 degrees forward
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Forward Phaser Array 23
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 100 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering hull forward
Firing Arc: 360 degrees forward (substantial arc shadow dorsal)
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Phaser Array **20**
Type: VIII
Damage: 160 [16 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Aft
Firing Arc: 360 degrees aft
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Torpedo Launcher **15**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 8
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral
Firing Arc: Forward, but are self-guided

Torpedoes Carried: 40 **4**

TA/T/TS: Class Alpha [0 Power/round] **6**
Strength: 7
Bonus: +0

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) **57 (x4)**
Shield Generator: Class 4 (Protection 750)
[75 Power/shield/round]
Shield Grid: Type C (50% increase to 1125 Protection)
Subspace Field Distortion Amplifiers: Class Delta (Threshold 200)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **6**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 15 Size worth of ships **30**
Standard Complement: 6 shuttlecraft, 3 shuttlepods
Location(s): Saucer forward, Engineering dorsal

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The *Yeager*-class Light Cruiser is another ship assembled from spare ship sections, salvaged ship parts, and ships-in-progress for purposes of fighting the Dominion War. It consists of the saucer section of an *Intrepid*-class ship, a body adapted from a Starfleet attack fighter, and two warp nacelles on downward-projecting pylons. While rather Frankensteinian in appearance, the combination seems to work reasonably well, though it requires an especially strong SIF.

Since it's relatively lightly armed, with Type VIII phasers and only a single torpedo launcher, the *Yeager*-class serves best as a transport, escort, and patrol vessel. Now that the Dominion War has ended, the class's fate remains uncertain, since other, better-designed, vessels are available to fulfill these functions.

Noteworthy vessels/service records/encounters: *U.S.S. Yeager,* prototype (not to be confused with *Saber*-class vessel of the same designation); *U.S.S. Aldrin,* NCC-69825, assigned to personnel transport duties (2373-75); *U.S.S. Gemini,* NCC-70328, participated in Operation Return (2374).

YORKSHIRE CLASS

Class and Type: *Yorkshire*-class Armored Transport
Commissioning Date: 2365

HULL SYSTEMS

SIZE: 3
Length: 90.10 meters
Beam: 22.37 meters
Height: 15.65 meters
Decks: 3
Mass: 55,000 metric tonnes
SUs Available: 1,000
SUs Used: 942

HULL

Outer	12
Inner	12

RESISTANCE

Outer Hull: 8	9
Inner Hull: 8	9
Ablative Armor: 500	100

STRUCTURAL INTEGRITY FIELD

Main: Class 4 (Protection 70/110)	
[1 Power/10 Protection/round]	24
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	12
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	12

Specialized Hull: Atmospheric Capability; Planetfall Capability 6

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 4/60/200

CREW QUARTERS

Spartan: 30	2
Basic: 10	1
Expanded: 4	1
Luxury: None	
Unusual: None	

ENVIRONMENTAL SYSTEMS

Basic Life Support [6 Power/round]	12
Reserve Life Support [3 Power/round]	6
Emergency Life Support (18 emergency shelters)	6
Gravity [2 Power/round]	3
Consumables: 1 year's worth	3
Food Replicators [3 Power/round]	3
Industrial Replicators	3
Type: Network of small replicators [2 Power/round]	
Medical Facilities: 2 (+0) [2 Power/round]	10
Recreation Facilities: 2 [4 Power/round]	16
Personnel Transport: Jefferies tubes [0 Power/round]	3
Fire Suppression System [1 Power/round when active]	3
Cargo Holds: 6,000 cubic meters	1
Locations: Aft	
Escape Pods	1
Number: 20	
Capacity: 4 persons per pod	

PROPULSION SYSTEMS

WARP DRIVE

Nacelles: Type 4.9	30
Speed: 4.0/6.0/9.0 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

IMPULSE ENGINE

Type: Class 6 (.75c/.9c) [7/9 Power/round]	30
Acceleration Uprating: Class Beta (75% acceleration)	
[1 Power/round when active]	4
Location: Aft dorsal, port and starboard	
Reaction Control System (.025c) [2 Power/round when in use]	3

POWER SYSTEMS

WARP ENGINE

Type: Class 4/G (generates 225 Power/round)	53
Location: Aft	
Impulse Engine[s]: 1 Class 6 (generate 48 Power/engine/round)	
Auxiliary Power: 2 reactors (generate 5 Power/reactor/round)	6
Emergency Power: Type B (generates 30 Power/round)	30
EPS: Standard Power flow, +150 Power transfer/round	30

Standard Usable Power: 273

OPERATIONS SYSTEMS

Bridge: Forward	15

COMPUTERS

Core 1: Amidships [5 Power/round]	6
ODN	9
Navigational Deflector [5 Power/round]	**12**
Range: 10/20,000/50,000/150,000	
Accuracy: 5/6/8/11	
Location: Ventral	

SENSOR SYSTEMS

Long-range Sensors [5 Power/round]	39
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	19
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	18
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Alpha (+1)	
Probes: 20	2

Sensors Skill: 3

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 3 [1 Power/round in use] — 12
- Navigational Computer
  - Main: Class 2 (+1) [1 Power/round] — 2
  - Backups: 1 — 1
- Inertial Damping Field
  - Main — 12
    - Strength: 9 [3 Power/round]
    - Number: 2
  - Backup — 4
    - Strength: 6 [2 Power/round]
    - Number: 2
- Attitude Control [1 Power/round] — 1

Communications Systems
- Type: Class 7 [2 Power/round] — 16
  - Strength: 7
  - Security: -4 (Class Gamma uprating)

Tractor Beams
- Emitter: Class Gamma [3 Power/Strength used/round] — 9
  - Accuracy: 4/5/7/10
  - Location: Ventral

Transporters
- Type: Personnel [5 Power/use] — 54
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: One forward, one amidships, one aft
- Type: Emergency [5 Power/use] — 48
  - Pads: 12
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: One forward, one amidships, one aft
- Type: Cargo [4 Power/use] — 14
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: One amidships

Cloaking Device: None

Security Systems
- Rating: 3 — 12
- Anti-Intruder System: Yes [1 Power/round] — 3
- Internal Force Fields [1 Power/3 Strength] — 3

Science Systems
- Rating 2 (+0) [1 Power/round] — 13
- Specialized Systems: None
- Laboratories: None

TACTICAL SYSTEMS

Forward Phaser Array — 15
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Forward
  - Firing Arc: 360 degrees forward
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Phaser Array — 15
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 40 (up to 1 shot per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Aft
  - Firing Arc: 360 degrees aft
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Torpedo Launcher — 14
- Standard Load: Type II photon torpedo (200 Damage)
  - Spread: 4
  - Range: 15/350,000/1,500,000/4,050,000
  - Targeting System: Accuracy 4/5/7/10
  - Power: [20 + 5 per torpedo fired]
  - Location: Forward
  - Firing Arc: Forward, but are self-guided

Torpedoes Carried: 10 — 1

TA/T/TS: Class Alpha [0 Power/round] — 6
- Strength: 7
- Bonus: +0

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) — 20 (x4)
- Shield Generator: Class 2 (Protection 250) [25 Power/shield/round]
- Shield Grid: Type C (50% increase to 375 Protection)
- Subspace Field Distortion Amplifiers: Class Beta (Threshold 80)
- Recharging System: Class 1 (45 seconds)
- Backup Shield Generators: 4 (1 per shield) — 4

Auto-Destruct System — 3

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 4 Size worth of ships — 8
- Standard Complement: 2 shuttlecraft
- Location(s): Ventral amidships

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The *Yorkshire*-class vessel is an Armored Transport capable of carrying up to 60 troops or a like number of other persons. While its size prevents it from carrying the large warp engine necessary to power extremely strong shields, between its standard shields and ablative armor it's usually able to make it to the target coordinates and back in one piece. If necessary it can enter planetary atmospheres and make planetfall. During the Dominion War, more *Yorkshire*s than ever before were produced and saw action; they proved invaluable in many systems where groundfighting took place.

Physically, the *Yorkshire* resembles an enlarged shuttlecraft with armor plating and weapons. Its warp nacelles are mounted aft ventral (very close to the body of the vessel to minimize their vulnerability), and its impulse engines aft dorsal.

It has more transporters than one would expect for a vessel of its size, to move personnel on and off the ship. If necessary, it also has large hatches amidships on the port and starboard sides, and a similar hatch in the ceiling of the bridge (cockpit).

Noteworthy vessels/service records/ encounters: *U.S.S. Yorkshire,* prototype; *U.S.S. Denver,* NCC-54927, damaged by gravitic mine and abandoned (2368); *U.S.S. Cornwall,* NCC-55938, landed troops on Cardassia Prime during assault on Chin'toka System (2374).

ZODIAC CLASS

Class and Type: *Zodiac*-class Cruiser

Commissioning Date: 2365

HULL SYSTEMS

Size: 6
- Length: 324.38 meters
- Beam: 163.54 meters
- Height: 55.75 meters
- Decks: 12
- Mass: 1,325,000 metric tonnes
- SUs Available: 2,100
- SUs Used: 2,032

Hull

Outer	24
Inner	24

Resistance

Outer Hull: 6	6
Inner Hull: 6	6

Structural Integrity Field

Main: Class 4 (Protection 70/110)	
[1 Power/10 Protection/round]	27
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	14
Backup: Class 4 (Protection 40)	
[1 Power/10 Protection/round]	14

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 357/90/3,600

Crew Quarters

Spartan: None	
Basic: 330	33
Expanded: 60	12
Luxury: 18	18
Unusual: 8	8

Environmental Systems

Basic Life Support [10 Power/round]	24
Reserve Life Support [5 Power/round]	12
Emergency Life Support (36 emergency shelters)	12
Gravity [3 Power/round]	
Consumables: 2 years' worth	12
Food Replicators [6 Power/round]	6
Industrial Replicators	12
Type: Network of small replicators [2 Power/round]	
Type: 2 large units [2 Power/replicator/round]	
Medical Facilities: 8 (+2) [8 Power/round]	40
EMH: Mark I [2 Power/round when active]	5
Recreation Facilities: 6 [12 Power/round]	48
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	18
Fire Suppression System [1 Power/round when active]	6
Cargo Holds: 100,000 cubic meters	6
Locations: Saucer port, saucer starboard, Engineering, 8 other locations	
Escape Pods	8
Number: 140	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6C6	103
Speed: 6.0/9.0/9.6 [1 Power/.2 warp speed]	
PIS: Type I (18 hours of Maximum warp)	18

Impulse Engine

Type: Class 6 (.75c/.9c) [7/9 Power/round]	30
Location: Saucer aft, port and starboard	

Impulse Engine

Type: Class 6 (.75c/.9c) [7/9 Power/round]	30
Location: Engineering dorsal amidships	
Reaction Control System (.025c) [2 Power/round when in use]	6

POWER SYSTEMS

Warp Engine

Type: Class 9/0 (generates 499 Power/round)	105
Location: Engineering hull	
Impulse Engine[s]: 2 Class 6 (generate 48 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +300 Power transfer/round	48

Standard Usable Power: 595

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	30
Auxiliary Control Room: Battle bridge, Engineering dorsal forward	18
Separation System: Saucer separation [10 Power]	8

Computers

Core 1: Saucer section, port [5 Power/round]	12
Core 2: Saucer section, starboard [5 Power/round]	12
Core 3: Engineering section [5 Power/round]	12
Uprating: Class Alpha (+1) [1 Power/computer/round]	6
ODN	18

Navigational Deflector [5 Power/round] **24**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Engineering forward, ventral of saucer

Sensor Systems

Long-range Sensors [5 Power/round]	50
Range Package: Type 7 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)	
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)	
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	22
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	20
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Beta (+2)	
Probes: 60	6

Sensors Skill: 4

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2 [1 Power/round in use] — 11
- Navigational Computer
  - Main: Class 3 (+2) [2 Power/round] — 4
  - Backups: 2 — 2
- Inertial Damping Field
  - Main — 36
    - Strength: 9 [3 Power/round]
    - Number: 3
  - Backup — 9
    - Strength: 6 [2 Power/round]
    - Number: 3
- Attitude Control [2 Power/round] — 2

Communications Systems
- Type: Class 8 [2 Power/round] — 19
  - Strength: 8
  - Security: -3
  - Basic Uprating: Class Alpha (+1)
- Emergency Communications: Yes [2 Power/round] — 1
- Holocommunications: Yes — 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Forward dorsal
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Forward ventral
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] — 6
  - Accuracy: 5/6/8/11
  - Location: One in each shuttlebay

Transporters
- Type: Personnel [5 Power/use] — 68
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Three in saucer, one in Engineering hull
- Type: Emergency [6 Power/use] — 64
  - Pads: 20
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: Three in saucer, one in Engineering hull
- Type: Cargo [4 Power/use] — 26
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class H (Strength 8)
  - Number and Location: One in saucer, one in Engineering hull

Cloaking Device: None

Security Systems
- Rating: 4 — 16
- Anti-Intruder System: Yes [1 Power/round] — 6
- Internal Force Fields [1 Power/3 Strength] — 6

Science Systems
- Rating 2 (+1) [2 Power/round] — 16
- Specialized Systems: 1 — 5
- Laboratories: 16 — 4

TACTICAL SYSTEMS

Saucer Dorsal Forward Phaser Array — 28
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 100 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal forward
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Starboard Phaser Array — 28
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 100 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal starboard
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Dorsal Port Phaser Array — 28
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 100 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer dorsal port
  - Firing Arc: 405 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Saucer Ventral Forward Phaser Array — 32
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 120 (up to 3 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Saucer ventral forward
  - Firing Arc: 405 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Ventral Phaser Array — 23
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Engineering ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Dorsal Phaser Array — 23
- Type: X
  - Damage: 200 [20 Power]
  - Number of Emitters: 80 (up to 2 shots per round)
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Aft dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Aft Ventral Phaser Array **23**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 80 (up to 2 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Aft ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Engineering Forward Dorsal Phaser Array **31**
Type: X
Damage: 200 [20 Power]
Number of Emitters: 120 (up to 3 shots per round)
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering dorsal forward (concealed when sections are joined)
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Forward Ventral Torpedo Launcher **17**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral, in connecting interhull above navigational deflector
Firing Arc: Forward, but are self-guided

Forward Dorsal Starboard Torpedo Launcher **17**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer dorsal forward starboard
Firing Arc: Forward, but are self-guided

Forward Dorsal Port Torpedo Launcher **17**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Saucer dorsal forward port
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher **17**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 160 **16**

TA/T/TS: Class Beta [1 Power/round] **9**
Strength: 8
Bonus: +1

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **67 (x4)**
Shield Generator: Class 5 (Protection 840)
[84 Power/shield/round]
Shield Grid: Type C (50% increase to 1260 Protection)
Subspace Field Distortion Amplifiers: Class Zeta (Threshold 280)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **6**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 34 Size worth of ships **68**
Standard Complement: 15 shuttlecraft, 4 shuttlepods
Location(s): Aft saucer, aft Engineering hull

Captain's Yacht: Yes **10**

DESCRIPTION AND NOTES

Fleet data: Yet another ship spun off from the Galaxy Class Development Project, the *Zodiac*-class Cruiser has a saucer similar to the *Galaxy*-class (though more like a perfectly circular disk instead of an oval), as well as a similar Engineering hull. The nacelle pylons project from the aft ventral side of the Engineering hull, as on the *Galaxy*-class, but sweep forward and slightly up, so that the Bussard ramscoop on each nacelle is almost in line with the bridge. Because it incorporates a saucer separation feature, the *Zodiac*-class has two impulse engines (one set located port and starboard on the aft side of the saucer; the other set mounted amidships to either side of the dorsal spine of the Engineering section).

The *Zodiac*-class Cruiser is an all-purpose ship, able to undertake missions from exploration to warfare. It's often used for diplomatic missions since it's powerful enough to protect the delegates, but not large or threatening enough to intimidate most diplomats. Several *Zodiac*s have been refitted with extra expanded, luxury, and unusual quarters to better accomodate delegations, as well as with Emergency Medical Holograms.

Noteworthy vessels/service records/ encounters: *U.S.S. Zodiac,* prototype; *U.S.S. Yorktown,* NCC-61137, fought in Dominion War (2373-75); *U.S.S. Sagittarius,* NCC-71276, engaged the Tholians during the Draconis IX Perimeter Action (2371), destroyed five Cardassian and Dominion warships during battle to defend Vulcan (2374). Also in service: *U.S.S. Scorpio,* NCC-71275; *U.S.S. Libra,* NCC-71274.

FEDERATION SHUTTLECRAFT

Class and Type: Various Shuttlecraft

Commissioning Date: Varies

HULL SYSTEMS

Size: 2
Type 6: 6.0 x 4.4 x 2.7 m; 1 deck; 3.38 metric tonnes
Type 7: 8.5 x 3.6 x 2.7 m; 1 deck; 3.96 metric tonnes
Type 8: 7.1 x 3.8 x 2.7 m; 1 deck; 4.21 metric tonnes
Type 9/9A: 8.45 x 4.2 x 2.7 m; 1 deck; 4.25 metric tonnes
Type 10: 9.64 x 5.82 x 3.35 m; 1 deck; 19.73 metric tonnes
Type 15/15A Shuttlepod: 3.6 x 2.4 x 1.6 m; 1 deck; 0.86 metric tonnes (Size 1)
Type 16 Shuttlepod: 4.8 x 2.4 x 1.6 m; 1 deck; 1.25 metric tonnes (Size 1)
Type 18 Shuttlepod: 4.5 x 3.1 x 1.8 m; 1 deck; 2.28 metric tonnes (Size 1)
SUs Available: 500
SUs Used: 454 (see text)

Hull

Outer	8
Inner	8

Resistance

Outer Hull: 4	3
Inner Hull: 4	3

Structural Integrity Field

Main: Class 1 (Protection 40/60) [1 Power/10 Protection/round]	14
Backup: Class 1 (Protection 20) [1 Power/10 Protection/round]	7
Backup: Class 1 (Protection 20) [1 Power/10 Protection/round]	7

Specialized Hull: Atmospheric Capability; Planetfall Capability 4

PERSONNEL SYSTEMS

Crew/Passengers/Evac: See below.
Type 6: 2/6/10
Type 7: 2/6/10
Type 8: 2/6/10
Type 9/9A: 2/6/10
Type 10: 4/12/20
Type 15/15A: 2/4/10
Type 16: 2/4/10
Type 18 Shuttlepod: 2/4/10
Crew Quarters: None for any type

Environmental Systems

Basic Life Support [4 Power/round]	8
Reserve Life Support [2 Power/round]	4
Emergency Life Support (no emergency shelters)	4
Gravity [1 Power/round]	2
Consumables: 1 week's worth	1
Replicator Systems: Usually none; at most, one food replicator	1
Medical Facilities: 1 (+0) [1 Power/round]	5
Recreation Facilities: None	
Personnel Transport: Jefferies tubes at the most	2
Fire Suppression System [1 Power/round when active]	2

Cargo Holds: None
Escape Pods: None

PROPULSION SYSTEMS

Warp Drive

Nacelles: See below (all 1 Power/.2 warp speed)	30

Type 6:
Type 1 (1.25/1.25/1.25) (Standard);
Type 1A downgraded (1.2/2.0/2.0) (Uprated)
Type 7:
Type 1 uprated (1.25/1.5/1.75) (Standard);
Type 1A downgraded (1.2/2.0/2.0) (Uprated)
Type 8:
Type 1A (1.2/2.0/3.0)
Type 9/9A:
Type 1A downgraded (1.2/2.0/2.0) (Standard)
Type 1A uprated (1.2/2.0/4.0) (Uprated)
Type 10:
Type 1B (1.5/3.0/5.0)
Type 15/15A Shuttlepod: None
Type 16 Shuttlepod: None
Type 18 Shuttlepod: None

PIS: Type J (up to 48 hours of Maximum warp)	20

Impulse Engine

Type: Class 2 (.5c/.5c) [5/5 Power/round]	10

Location: Varies; typically aft port and starboard

Reaction Control System (.025c) [2 Power/round when in use]	2

POWER SYSTEMS

Warp Engine

Type: Typically Type 2/B (generates 149 Power/round)	35

Location: Aft

Impulse Engine[s]: 1 Class 2 (generate 16 Power/engine/round)	
Auxiliary Power: 1 reactor (generates5 Power/round)	3
Emergency Power: Type A (generates 25 Power/round)	25
EPS: Standard Power flow, +100 Power transfer/round	20

Standard Usable Power: 165

OPERATIONS SYSTEMS

Bridge: Forward	10

Computers

Core 1: Amidships [5 Power/round]	4
ODN	6

Navigational Deflector [5 Power/round] 8
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Ventral

Sensor Systems
- Long-range Sensors [5 Power/round] 18
  - Range Package: Type 2 (Accuracy 3/4/7/10)
  - High Resolution: 5 light-years (.5/.6-1.0/1.1-3.5/3.6-5.0)
  - Low Resolution: 12 light-years (1/1.1-3.0/3.1-8.0/8.1-12)
  - Strength Package: Class 5 (Strength 5)
  - Gain Package: Standard (+0)
  - Coverage: Standard
- Lateral Sensors [5 Power/round] 10
  - Strength Package: Class 5 (Strength 5)
  - Gain Package: Standard (+0)
  - Coverage: Standard
- Navigational Sensors: [5 Power/round] 10
  - Strength Package: Class 5 (Strength 5)
  - Gain Package: Standard (+0)
- Probes: None

Sensors Skill: 2

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 2, Coordination 1 [1 Power/round in use] 7
- Navigational Computer
  - Main: Class 1 (+0) [0 Power/round] 0
  - Backups: 1 0
- Inertial Damping Field
  - Main 8
    - Strength: 2 (or higher, if necessary) [3 Power/round]
    - Number: 2
  - Backup 2
    - Strength: 1 [2 Power/round]
    - Number: 2
- Attitude Control [1 Power/round] 1

Communications Systems
- Type: Class 5 [2 Power/round] 10
  - Strength: 5
  - Security: -2

Tractor Beams
- Emitter: Class Alpha [3 Power/Strength used/round] 3
  - Accuracy: 5/6/8/11
  - Location: Forward
- Emitter: Class Alpha [3 Power/Strength used/round] 3
  - Accuracy: 5/6/8/11
  - Location: Aft

Transporters
- Type: Personnel [3 Power/use] 10
  - Pads: 2
  - Emitter/Receiver Array: Personnel Type 4 (30,000 km range)
  - Energizing/Transition Coils: Class E (Strength 5)
  - Number and Location: Aft of cockpit (bridge)

Cloaking Device: None

Security Systems
- Rating: N/A 0
- Anti-Intruder System: Yes [1 Power/round] 2
- Internal Force Fields [1 Power/3 Strength] 2

Science Systems
- Rating 1 (+0) [1 Power/round] 7
- Specialized Systems: None
- Laboratories: None

TACTICAL SYSTEMS

Phaser Arrays 34

All shuttlecraft phaser systems are Accuracy 5/6/8/11, range 10/30,000/100,000/300,000, Firing Modes all
- Type 6: Uprated versions have two Type IV 40-emitter arrays (80 damage, 1 shot per round), one on the forward end of each warp nacelle (360 degrees port and starboard)
- Type 7: Uprated versions have two Type V 40-emitter arrays (100 damage, 1 shot per round), one forward, one aft (360 degree firing arc in each direction)
- Type 9/9A: Uprated versions have two Type V 40-emitter arrays (100 damage, 1 shot per round), one forward, one aft (360 degree firing arc in each direction)
- Type 10: One Type VI 40-emitter array forward (120 damage, 1 shot per round, 360 degree forward firing arc), two Type VI 50-emitter arrays port and starboard (120 damage, 1 shot per round, 360 degree port and starboard firing arc); microtorpedo launcher (1/100/500/2000 range, 1 Power per shot, carries 200 microtorpedoes, forward firing arc)
- Type 15/15A: Two Type IV 40-emitter arrays (80 damage, 1 shot per round), one forward, one aft (360 degrees firing arc in each direction)
- Type 16: Two Type IV 40-emitter arrays (80 damage, 1 shot per round), one forward, one aft (360 degrees firing arc in each direction)
- Others: Generally unarmed; may be equipped with Type 6 or Type 7 shuttle armament

Torpedoes 11

Type 6, 7, and 10 shuttles carry 1-3 Type II photon torpedoes which they can launch forward with a range of 10/100/1000/5000 and an Accuracy of 5/6/8/11. Other shuttles can be outfitted with torpedoes, but usually do not carry them.

TA/T/TS: Class Alpha [0 Power/round] 6
- Strength: 7
- Bonus: +0

Weapons Skill: 2

Shields (Forward, Aft, Port, Starboard) 12 (x4)
- Shield Generator: Class 1 (Protection 120) [12 Power/shield/round]
- Shield Grid: Type C (50% increase to 180 Protection)
- Subspace Field Distortion Amplifiers: Class Alpha (Threshold 40)
- Recharging System: Class 1 (45 seconds)
- Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System 2

AUXILIARY SPACECRAFT SYSTEMS

None

DESCRIPTION AND NOTES

Fleet data: This Starship Template represents any one of several varieties of shuttlecraft and shuttlepods used by Starfleet. Most large ships carry at least one or two of these vessels for away missions when transporters cannot be used and similar situations. Narrators should feel free to vary the information in the template slightly from one shuttle model to another; some may be a little faster or better armed or better

powered than others. (Note: the listed SU cost for the shuttle assumes the best system of any of the types listed for the various models of shuttlecraft; individual shuttles' total SU costs are less.)

For logistical purposes, Starfleet organizes its shuttlecraft into classes. Class 1 represents the smallest, least well equipped versions, including Types 1-5 and any shuttlepod. Class 2 includes shuttles slightly better equipped than that, such as Types 6-9. Class 3 shuttles are the largest, best-equipped ones, including Types 10-14.

This Starship Template can also be used to represent the captains' yachts carried by various large starships, such as the *U.S.S. Enterprise*-D's *Calypso* and the *U.S.S. Enterprise*-E's *Cousteau*. Captains' yachts tend to be slightly larger than the largest shuttles, and are always more luxuriously appointed.

BORG CUBE

Class and Type: Borg Cube

Commissioning Date: Unknown

HULL SYSTEMS

Size: 16
Length: 5 kilometers
Beam: 5 kilometers
Height: 5 kilometers
Decks: 1,100 (est.)
Mass: 21,000,000 metric tonnes (est.)
SUs Available: 11,000
SUs Used: 10,797

Hull

Outer	64
Inner	64

Resistance

Outer Hull: 10	12
Inner Hull: 10	12
Borg Ship Regeneration	160
Ablative Armor: 1500	300

Structural Integrity Field

Main: Class 10 (Protection 100/150)	
[1 Power/10 Protection/round]	55
Backup: Class 10 (Protection 50)	
[1 Power/10 Protection/round]	28
Backup: Class 10 (Protection 50)	
[1 Power/10 Protection/round]	28

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 64,000/0/137,500

Crew Quarters

Regeneration Alcoves: 64,000 (100 per 1 SU)	640

Environmental Systems

Basic Life Support [16 Power/round]	64
Reserve Life Support [8 Power/round]	32
Emergency Life Support (96 emergency shelters)	32
Gravity [8 Power/round]	16
Consumables: 3 years' worth	48
Food Replicators [16 Power/round]	16
Industrial Replicators	66
Type: Three networks of small replicators [2 Power/round]	
Type: 6 large units [2 Power/replicator/round]	
Medical Facilities: 5 (+1) [5 Power/round]	25
Recreation Facilities: None	
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	48
Fire Suppression System [1 Power/round when active]	16
Cargo Holds: 1,000,000 cubic meters	30
Locations: 50 locations throughout the ship	
Escape Pods: None	

PROPULSION SYSTEMS

Transwarp Drive [240 Power/round]	**240**

Impulse Engine

Type: Class 8 (.75c/.95c) [7/9 Power/round]	200
Location: Five throughout interior	
Reaction Control System (.025c) [2 Power/round when in use]	16

POWER SYSTEMS

Warp Engine

Type: 6 Class 10/P (generate 549 Power/engine/round)	690
Location: Interior	
Impulse Engine[s]: 5 Class 8 (generates 64 Power/round)	
Auxiliary Power: 20 reactors (generate 5 Power/reactor/round)	60
Emergency Power: Type F (generates 50 Power/round)	50
EPS: Standard Power flow, +800 Power transfer/round	160

Standard Usable Power: 3,764

OPERATIONS SYSTEMS

Bridge: None

Computers (Bio-neural)

Eight core computers located throughout the interior of the ship [5 Power/round]	384
Uprating: Class Gamma (+3) [3 Power/computer/round]	64
ODN	48
Navigational Deflector [5 Power/round]	**64**
Range: 10/20,000/50,000/150,000	
Accuracy: 5/6/8/11	
Location: Exterior	

Sensor Systems

Long-range Sensors [5 Power/round]	88
Range Package: Type 8 (Accuracy 3/4/7/10)	
High Resolution: 6 light-years (.5/.6-1.0/1.1-4.5/4.6-6.0)	
Low Resolution: 18 light-years (1/1.1-6.5/6.6-13.5/13.6-18)	
Strength Package: Class 10 (Strength 10)	
Gain Package: Class Gamma (+3)	
Coverage: +8000 substances/phenomena	
Lateral Sensors [5 Power/round]	56
Strength Package: Class 10 (Strength 10)	
Gain Package: Class Gamma (+3)	
Coverage: +8000 substances/phenomena	
Navigational Sensors: [5 Power/round]	28
Strength Package: Class 10 (Strength 10)	
Gain Package: Class Gamma (+3)	
Probes: 500	50

Sensors Skill: 5

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 4, Coordination 4	
[1 Power/round in use]	16
Navigational Computer	
Main: Class 3 (+2) [2 Power/round]	4
Backups: Two additional full-effect navigational computers	8

Inertial Damping Field
Main 192
Strength: 10 [3 Power/round]
Number: 6
Backup 48
Strength: 5 [2 Power/round]
Number: 6
Attitude Control [4 Power/round] 4

Communications Systems
Type: Central Plexus (Class 10) [2 Power/round] 26
Strength: 10
Security: -5
Basic Uprating: Class Beta (+2)
Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Delta [3 Power/Strength used/round] 288
Accuracy: 4/5/7/10
Location: Four tractor beams per cube side

Transporters
Type: Personnel [7 Power/use] 460
Pads: 6
Emitter/Receiver Array: Personnel Type 10 (100,000 km range)
Energizing/Transition Coils: Class J (Strength 10)
Number and Location: 20 throughout the ship
Type: Emergency [12 Power/use] 500
Pads: 40
Emitter/Receiver Array: Emergency Type 5 (25,000 km range)
Energizing/Transition Coils: Class J (Strength 10)
Number and Location: 20 throughout the ship
Type: Cargo [8 Power/use] 190
Pads: 800 kg
Emitter/Receiver Array: Cargo Type 5 (160,000 km range)
Energizing/Transition Coils: Class J (Strength 10)
Number and Location: 10 throughout the ship

Cloaking Device: None

Security Systems
Rating: 2 8
Anti-Intruder System: Yes [1 Power/round] 16
Internal Force Fields [1 Power/3 Strength] 16

Science Systems
Rating 4 (+3) [5 Power/round] 36
Specialized Systems: 5 25
Laboratories: 160 32

TACTICAL SYSTEMS

Borg Energy Beam 1392
Type: Borg Energy Beam (50 SUs each)
Damage: 250 [25 Power]
Number of Emitters: Up to 2 shots per round each
Accuracy: 3/4/6/9
Range: 10/35,000/150,000/400,000
Location: 4 beam projectors per cube side
Firing Arc: 360 degrees for each side
Firing Modes: Standard, Continuous, Pulse, Wide-Beam

Borg Cutting Beam 540
Type: Borg Cutting Beam
Damage: See *Spacedock*, pages 68-69 [20 Power]
Number of Emitters: Up to 1 shot per round each
Accuracy: 3/4/6/9
Range: 10/35,000/150,000/400,000
Location: 3 beam projectors per cube side
Firing Arc: 360 degrees for each side

Borg Feedback Pulse Generator 108
Type: Borg Feedback Pulse Generator
Damage: See *Spacedock*, pages 68-69 [30 Power]
Number of Emitters: Up to 1 shot per round each
Accuracy: See *Spacedock*, pages 68-69
Range: See *Spacedock*, pages 68-69
Location: 1 beam projector per cube side
Firing Arc: See *Spacedock*, pages 68-69

Borg Shield Drainer 450
Type: Borg Shield Drainer
Damage: See *Spacedock*, pages 68-69 [20 Power]
Number of Emitters: Up to 1 shot per round each
Accuracy: 3/4/6/9
Range: 10/35,000/150,000/400,000
Location: 3 beam projectors per cube side
Firing Arc: 360 degrees for each side

Torpedo Launcher 540
Standard Load: Borg torpedo (500 Damage)
Spread: 12
Range: 15/400,000/2,000,000/5,000,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: 3 launchers per cube side
Firing Arc: Self-guided

Torpedoes Carried: 2000 200

TA/T/TS: Class Delta [4 Power/round] 15
Strength: 10
Bonus: +3

Weapons Skill: 5

Shields (Forward, Aft, Port, Starboard) 324 (x4)
Shield Generator: Class 7 (Protection 1400) [140 Power/shield/round]
Shield Grid: Type C (50% increase to 2100 Protection)
Subspace Field Distortion Amplifiers: Class Iota (Threshold 450)
Shield Regeneration System: Class 4 (regenerates 50 Protection per round; shield recharge time of 20 seconds) [1 Power/point regenerated/round]
Backup Shield Generators: 4 (1 per shield) 16

Auto-Destruct System 16

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 200 Size worth of ships 400
Standard Complement: Various small Borg ships
Location(s): 25 bays throughout ship

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: This Starship Template represents a typical large Borg cube (smaller cubes, 3 kilometers on an edge, also exist). Its enormous Power generation systems, numerous powerful weapons, and strong shields make it capable of taking on dozens of Federation ships and destroying all of them. Narrators can adapt this Template for Borg spheres and other ships.

Unlike most other species, the Borg man each and every weapon on one of their ships with one or more drones. Thus, they can fire multiple times at targets without incurring a multiple action penalty.

CARDASSIAN GALOR CLASS

Class and Type: Cardassian *Galor*-class Battle Cruiser

Commissioning Date: Mid-24th century

HULL SYSTEMS

Size: 6
Length: 371.88 meters
Beam: 192.23 meters
Height: 59.00 meters
Decks: 13 decks
Mass: 1,678,000 metric tonnes
SUs Available: 2,500
SUs Used: 2,403

Hull
Outer 24
Inner 24

Resistance
Outer Hull: 8 9
Inner Hull: 8 9

Structural Integrity Field
Main: Class 5 (Protection 80/120)
[1 Power/10 Protection/round] 30
Backup: Class 5 (Protection 40)
[1 Power/10 Protection/round] 15
Backup: Class 5 (Protection 40)
[1 Power/10 Protection/round] 15

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 300/485/5,600

Crew Quarters
Spartan: 100 5
Basic: 400 40
Expanded: 100 20
Luxury: 40 40
Unusual: 5 5

Environmental Systems
Basic Life Support [11 Power/round] 24
Reserve Life Support [6 Power/round] 12
Emergency Life Support (36 emergency shelters) 12
Gravity [3 Power/round] 6
Consumables: 2 years' worth 12
Food Replicators [6 Power/round] 6
Industrial Replicators 9
Type: Network of small replicators [2 Power/round]
Type: 1 large unit [2 Power/replicator/round]
Medical Facilities: 6 (+1) [6 Power/round] 30
Recreation Facilities: 4 [8 Power/round] 32
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round] 18
Fire Suppression System [1 Power/round when active] 6
Cargo Holds: 166,000 cubic meters 5
Locations: 15 locations throughout the ship
Escape Pods 8
Number: 140
Capacity: 8 persons per pod

PROPULSION SYSTEMS

Warp Drive
Nacelles: Type 5D6 73
Speed: 4.9/8.3/9.5 [1 Power/.2 warp speed]
PIS: Type C (6 hours of Maximum warp) 6
Uprating: Package 1 for Standard, Sustainable, and Maximum 6
Special Configuration: Embedded 24

Impulse Engine
Type: Class 3A (.5c/.75c) [5/7 Power/round] 15
Location: Aft bridge module

Impulse Engine
Type: Class 3A (.5c/.75c) [5/7 Power/round] 15
Location: Forward wings

Impulse Engine
Type: Class 3A (.5c/.75c) [5/7 Power/round] 15
Location: Aft
Reaction Control System (.025c) [2 Power/round when in use] 6

POWER SYSTEMS

Warp Engine
Type: Class 9/0 (generates 475 Power/round) 103
Location: Engineering amidships
Impulse Engine[s]: 3 Class 3A (generate 28 Power/engine/round)
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round) 12
Emergency Power: Type D (generates 40 Power/round) 40
EPS: Standard Power flow, +200 Power transfer/round 50

Standard Usable Power: 559

OPERATIONS SYSTEMS

Bridge: Command hull (forward dorsal) 30

Computers
Core 1: Forward wing section [5 Power/round] 12
Core 2: Aft wing section [5 Power/round] 12
ODN 18

Navigational Deflector [5 Power/round] 24
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Forward ventral

Sensor Systems
Long-range Sensors [5 Power/round] 48
Range Package: Type 7 (Accuracy 3/4/7/10)
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)
Strength Package: Class 7 (Strength 7)
Gain Package: Class Beta (+2)
Coverage: Standard
Lateral Sensors [5 Power/round] 20
Strength Package: Class 7 (Strength 7)
Gain Package: Class Beta (+2)
Coverage: Standard
Navigational Sensors: [5 Power/round] 18
Strength Package: Class 7 (Strength 7)
Gain Package: Class Beta (+2)
Probes: 60 6

Sensors Skill: 4

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 1 [1 Power/round in use] — 10
- Navigational Computer
  - Main: Class 2 (+1) [1 Power/round] — 2
  - Backups: 2 — 2
- Inertial Damping Field
  - Main — 36
    - Strength: 9 [3 Power/round]
    - Number: 3
  - Backup — 9
    - Strength: 6 [2 Power/round]
    - Number: 3
- Attitude Control [2 Power/round] — 2

Communications Systems
- Type: Class 8 [2 Power/round] — 21
  - Strength: 8
  - Security: -4 (Class Gamma uprating)
  - Basic Uprating: Class Alpha (+1)
- Emergency Communications: Yes [2 Power/round] — 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Forward ventral
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Forward dorsal
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] — 3
  - Accuracy: 5/6/8/11
  - Location: Shuttlebay

Transporters
- Type: Personnel [5 Power/use] — 32
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: Forward wing section, aft wing section
- Type: Emergency [5 Power/use] — 56
  - Pads: 16
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: Two in forward wing section, two in aft wing section
- Type: Cargo [4 Power/use] — 48
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: Two in forward wing section, two in aft wing section

Cloaking Device: None

Security Systems
- Rating: 4 — 16
- Anti-Intruder System: Yes [1 Power/round] — 6
- Internal Force Fields [1 Power/3 Strength] — 6

Science Systems
- Rating 2 (+1) [2 Power/round] — 16
- Specialized Systems: 1 — 5
- Laboratories: 15 — 4

TACTICAL SYSTEMS

Aft Disruptor Cannon — 54
- Type: 12
  - Damage: 260 [26 Power]
  - Number of Emitters: Up to 5 shots per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Aft
  - Firing Arc: 360 degrees aft
  - Firing Modes: Standard, Pulse

Forward Spiral-Wave Disruptor Array (3 disruptors) — 126
- Type: 9
  - Damage: 200 [20 Power]
  - Number of Emitters: Up to 3 shots per disruptor per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Forward
  - Firing Arc: 360 degrees forward
  - Firing Modes: Standard, Pulse

Bridge Starboard Spiral-Wave Disruptor Array — 42
- Type: 9
  - Damage: 200 [20 Power]
  - Number of Emitters: Up to 2 shots per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Starboard wing of bridge module
  - Firing Arc: 360 degrees starboard
  - Firing Modes: Standard, Pulse

Bridge Port Spiral-Wave Disruptor Array — 42
- Type: 9
  - Damage: 200 [20 Power]
  - Number of Emitters: Up to 2 shots per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Port wing of bridge module
  - Firing Arc: 360 degrees port
  - Firing Modes: Standard, Pulse

Wing Forward Spiral-Wave Disruptor Arrays (2) — 84
- Type: 9
  - Damage: 200 [20 Power]
  - Number of Emitters: Up to 3 shots per disruptor per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: One on starboard wing, one on port wing
  - Firing Arc: 360 degrees forward
  - Firing Modes: Standard, Pulse

Wing Aft Spiral-Wave Disruptor Arrays (2) — 84
- Type: 9
  - Damage: 200 [20 Power]
  - Number of Emitters: Up to 3 shots per disruptor per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: One on starboard wing, one on port wing
  - Firing Arc: 360 degrees Aft
  - Firing Modes: Standard, Pulse

Wing Dorsal Spiral-Wave Disruptor Arrays (2) **84**
Type: 9
Damage: 200 [20 Power]
Number of Emitters: Up to 3 shots per disruptor per round
Targeting System: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: One on starboard wing, one on port wing
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Pulse

Wing Ventral Spiral-Wave Disruptor Arrays (2) **84**
Type: 9
Damage: 200 [20 Power]
Number of Emitters: Up to 3 shots per disruptor per round
Targeting System: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: One on starboard wing, one on port wing
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Pulse

Aft Dorsal Spiral-Wave Disruptor Array **42**
Type: 9
Damage: 200 [20 Power]
Number of Emitters: Up to 3 shots per round
Targeting System: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Aft dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Pulse

Aft Ventral Spiral-Wave Disruptor Array **42**
Type: 9
Damage: 200 [20 Power]
Number of Emitters: Up to 3 shots per round
Targeting System: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Aft ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Pulse

Forward Torpedo Launcher **18**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher **18**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/300,000/1,000,000/3,500,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 200 **20**

TA/T/TS: Class Beta [1 Power/round] **9**
Strength: 8
Bonus: +1

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) **70 (x4)**
Shield Generator: Class 4 (Protection 800 + 100 [embedded nacelles]) [80 Power shield//round]
Shield Grid: Type B (33% increase to 1067 Protection)
Subspace Field Distortion Amplifiers: Class Zeta (Threshold 260 + 10 [embedded nacelles])
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **6**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 40 Size worth of ships **80**
Standard Complement: A mixture of Hideki-class fighters and shuttlecraft
Location(s): Forward ventral, aft of bridge module

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The *Galor*-class Battle Cruiser, first encountered by the Federation during its conflicts with the Cardassians in the mid-24th century, is the primary fighting vessel of the Cardassian Union. While not as large or powerful as a *Galaxy*-class ship, it does boast an impressive array of spiral-wave disruptors, and can put up more of a fight than its size might initially suggest. (Its relative lack of torpedo launchers remains one of its weaknesses, however.) Starfleet does not possess precise data on many aspects of the specifications and internal configuration of these ships, though it has learned much more during the Dominion War and its aftermath than it had previously.

The *Galor*-class Battle Cruiser consists of two roughly half-circle-shaped sections, a small one (the command hull) containing the bridge and a much larger one where most of the ship's primary systems are located, with a long "tail" behind them. The design reminds most humans of a fish or insect of some kind, but to the Cardassians it represents the *galor,* a mythical hooded warrior-figure.

ALLO RYN 032501

FERENGI D'KORA CLASS

Class and Type: *D'Kora*-class Cruiser ("Marauder")

Commissioning Date: Mid-24th century

HULL SYSTEMS

Size: 7
- Length: 392.28 meters
- Beam: 308.15 meters
- Height: 88.00 meters
- Decks: 22
- Mass: 2,270,000 metric tonnes
- SUs Available: 2,150
- SUs Used: 2,039

Hull

Outer	28
Inner	28

Resistance

Outer Hull: 6	6
Inner Hull: 6	6

Structural Integrity Field

Main: Class 4 (Protection 70/110)	
[1 Power/10 Protection/round]	28
Backup: Class 4 (Protection 35)	
[1 Power/10 Protection/round]	14
Backup: Class 4 (Protection 35)	
[1 Power/10 Protection/round]	14

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 450/300/6,250

Crew Quarters

Spartan: 200	10
Basic: 400	40
Expanded: 120	12
Luxury: 60	60
Unusual: 10	10

Environmental Systems

Basic Life Support [11 Power/round]	28
Reserve Life Support [6 Power/round]	14
Emergency Life Support (42 emergency shelters)	14
Gravity [4 Power/round]	7
Consumables: 2 years' worth	14
Food Replicators [7 Power/round]	7
Industrial Replicators	13
Type: Network of small replicators [2 Power/round]	
Type: 2 large units [2 Power/replicator/round]	
Medical Facilities: 5 (+1) [5 Power/round]	25
Recreation Facilities: 7 [14 Power/round]	56
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	21
Fire Suppression System [1 Power/round when active]	7
Cargo Holds: 400,000 cubic meters	12
Locations: Many locations, mainly in the aft of the Engineering section	
Escape Pods	11
Number: 200	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6A2	91
Speed: 6.0/8.2/9.1 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16
Uprating: Packages 1, 3	
(+0.1 for Standard, +0.3 for Sustainable)	8
Special Configuration: Embedded	28

Impulse Engine

Type: Class 3A (.5c/.75c) [5/7 Power/round]	18
Location: Engineering aft, port and starboard	
Reaction Control System (.025c) [2 Power/round when in use]	7

POWER SYSTEMS

Warp Engine

Type: Class 8/N (generates 449 Power/round)	95
Location: Engineering	
Impulse Engine[s]: 1 Class 3A (generate 28 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type D (generates 40 Power/round)	40
EPS: Standard Power flow, +260 Power transfer/round	61

Standard Usable Power: 477

OPERATIONS SYSTEMS

Bridge: Saucer dorsal	35

Computers

Core 1: Forward Engineering [5 Power/round]	14
Core 2: Aft Engineering [5 Power/round]	14
ODN	21

Navigational Deflector [5 Power/round] 28
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Ventral

Sensor Systems

Long-range Sensors [5 Power/round]	38
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 6 (Strength 6)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	18
Strength Package: Class 6 (Strength 6)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	16
Strength Package: Class 6 (Strength 6)	
Gain Package: Class Beta (+2)	
Probes: 40	4

Sensors Skill: 4

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2	
[1 Power/round in use]	11

Navigational Computer
Main: Class 2 (+1) [1 Power/round] 2
Backups: 2 2
Inertial Damping Field
Main 56
Strength: 9 [3 Power/round]
Number: 4
Backup 16
Strength: 6 [2 Power/round]
Number: 4
Attitude Control [2 Power/round] 2

Communications Systems
Type: Class 7 [2 Power/round] 18
Strength: 7
Security: -5 (Class Delta uprating)
Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Forward ventral
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Forward dorsal
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Aft ventral
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Aft dorsal
Emitter: Class Alpha [3 Power/Strength used/round] 3
Accuracy: 5/6/8/11
Location: Shuttlebay

Transporters
Type: Personnel [5 Power/use] 64
Pads: 6
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: One in command hull, three in Engineering section
Type: Emergency [7 Power/use] 64
Pads: 24
Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: One in command hull, three in Engineering section
Type: Cargo [10 Power/use] 72
Pads: 1,600 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: Four in Engineering section

Cloaking Device: None

Security Systems
Rating: 3 12
Anti-Intruder System: Yes [1 Power/round] 7
Internal Force Fields [1 Power/3 Strength] 7

Science Systems
Rating 2 (+1) [2 Power/round] 17
Specialized Systems: None
Laboratories: 8 2

TACTICAL SYSTEMS

Extended Range: +2 penalties for beam weapon shots beyond Long range negated 6

Upper Weapon Deck Plasma Weapon Array 44
Type: 10
Damage: 220 [22 Power]
Number of Emitters: Up to 3 shots per round
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Weapons deck, Engineering dorsal
Firing Arc: 180 degrees forward
Firing Modes: Standard, Pulse

Starboard Plasma Weapon Array 40
Type: 9
Damage: 200 [20 Power]
Number of Emitters: Up to 3 shots per round
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Forward tip of starboard "wing"
Firing Arc: 180 degrees forward
Firing Modes: Standard, Pulse

Port Plasma Weapon Array 40
Type: 9
Damage: 200 [20 Power]
Number of Emitters: Up to 3 shots per round
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Forward tip of port "wing"
Firing Arc: 180 degrees forward
Firing Modes: Standard, Pulse

Neck Concealed Plasma Weapon Array (Starboard) 32
Type: 7
Damage: 160 [16 Power]
Number of Emitters: Up to 3 shots per round
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Starboard side of neck, concealed
Firing Arc: 180 degrees forward
Firing Modes: Standard, Pulse

Neck Concealed Plasma Weapon Array (Port) 32
Type: 7
Damage: 160 [16 Power]
Number of Emitters: Up to 3 shots per round
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Starboard side of neck, concealed
Firing Arc: 180 degrees forward
Firing Modes: Standard, Pulse

Upper Weapon Deck Torpedo Launcher 16
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,000,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Weapon deck, Engineering dorsal
Firing Arc: Forward, but are self-guided

Torpedoes Carried: 30 3

TA/T/TS: Class Alpha [0 Power/round] **6**
Strength: 7
Bonus: +0 (but see text)

Weapons Skill: 3

Shields (Forward, Aft, Port, Starboard) **68 (x4)**
Shield Generator: Class 4 (Protection 800 +100 [embedded nacelles]) [80 Power/shield/round]
Shield Grid: Type B (33% increase to 1067 Protection)
Subspace Field Distortion Amplifiers: Class Zeta (Threshold 267 +10 [embedded nacelles])
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **7**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 40 Size worth of ships **80**
Standard Complement: 20 Ferengi shuttlecraft
Location(s): Forward Engineering, port and starboard of neck

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The *D'Kora*-class Cruiser, commonly referred to as a "Marauder" for its frequent use in various raiding missions by unscrupulous captains, is the most common capital vessel in the Ferengi fleets. Physically, it has a crescent moon-shaped Engineering hull (points facing forward) with a triangular cross-section, from which a central "neck" extends outward to hold the bridge section.

An unusual combination of warship and trading vessel, its resources include enormous amounts of cargo space for holding trade goods, strong tractor beams for recovering salvage, and powerful warp engines with embedded nacelles for quick escapes from dissatisfied customers. Its weapons are mainly plasma beam projectors, ranging from a single large one in the "upper weapon deck" (amidships on the forward edge of the Engineering hull), slightly smaller beam arrays on the forward tips of each "wing" of the Engineering hull, and even smaller projectors concealed behind panels on the dorsal side of the ship's neck. It also has one torpedo launcher in the upper weapon deck. The plasma weapons are built for effective firing at longer than normal ranges, thus allowing the Ferengi to get in the first blow and cripple an opponent before he can fire back. Ferengi ships are also good at generating plasma bursts to disrupt a target ship's Power generation capabilities (see *Spacedock,* page 147); the Narrator may wish to grant *D'Kora* crews a +1 Test Result bonus for that tactic to reflect this.

DOMINION ATTACK SHIP

Class and Type: Jem'Hadar Fighter

Commissioning Date: Mid-24th century

HULL SYSTEMS

Size: 3
Length: 68.32 meters
Beam: 70.02 meters
Height: 18.32 meters
Decks: 3
Mass: 2,450 metric tonnes
SUs Available: 1,000
SUs Used: 945

Hull

Outer	12
Inner	12

Resistance

Outer Hull: 10	12
Inner Hull: 10	12

Structural Integrity Field

Main: Class 3 (Protection 60/90)	
[1 Power/10 Protection/round]	21
Backup: Class 3 (Protection 30)	
[1 Power/10 Protection/round]	11
Backup: Class 3 (Protection 30)	
[1 Power/10 Protection/round]	11

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 4/12/60
Crew Quarters: None; Jem'Hadar neither sleep nor eat. Ships equipped for carrying Vorta and Founders will usually have a few quarters of Basic or better quality.

Environmental Systems

Basic Life Support [4 Power/round]	12
Reserve Life Support [2 Power/round]	6
Emergency Life Support (18 emergency shelters)	6
Gravity [2 Power/round]	3
Consumables: 1 week's worth	1
Food Replicators [3 Power/round]	3
Industrial Replicators	3
Type: Network of small replicators [2 Power/round]	
Medical Facilities: 4 (+1) [4 Power/round]	20
Recreation Facilities: None	
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	9
Fire Suppression System [1 Power/round when active]	3
Cargo Holds: 5,000 cubic meters	1
Locations: Ventral	
Escape Pods	2
Number: 10	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 5C6	68
Speed: 5.0/8.0/9.6 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 7 (.75c/.92c) [7/9 Power/round]	35
Acceleration Uprating: Class Alpha (66% acceleration)	
[1 Power/round when active]	2
Location: Aft	
Reaction Control System (.025c) [2 Power/round when in use]	3

POWER SYSTEMS

Warp Engine

Type: Class 4/G (generates 245 Power/round)	55
Location: Engineering hull	
Impulse Engine[s]: 1 Class 7 (generate 56 Power/engine/round)	
Auxiliary Power: 2 reactors (generate 5 Power/reactor/round)	6
Emergency Power: Type B (generates 30 Power/round)	30
EPS: Standard Power flow, +150 Power transfer/round	30

Standard Usable Power: 301

OPERATIONS SYSTEMS

Bridge: Forward	15

Computers

Core 1: Forward [5 Power/round]	6
ODN	9

Navigational Deflector [5 Power/round]	**12**
Range: 10/20,000/50,000/150,000	
Accuracy: 5/6/8/11	
Location: Ventral	

Sensor Systems

Long-range Sensors [5 Power/round]	34
Range Package: Type 3 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.5/3.6-5.0)	
Low Resolution: 13 light-years (1/1.1-3.5/3.6-9.0/9.1-13)	
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	22
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	18
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Alpha (+1)	
Probes: 20	2

Sensors Skill: 3

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 3	
[1 Power/round in use]	12
Navigational Computer	
Main: Class 2 (+1) [1 Power/round]	2
Backups: 2	2

Inertial Damping Field
Main 12
Strength: 9 [3 Power/round]
Number: 2
Backup 4
Strength: 6 [2 Power/round]
Number: 2
Attitude Control [1 Power/round] 1

Communications Systems
Type: Class 8 [2 Power/round] 26
Strength: 8
Security: -5 (Class Delta uprating)
Basic Uprating: Class Beta (+2)

Tractor Beams
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Forward ventral

Transporters
Type: Personnel [9 Power/use] 50
Pads: 6
Emitter/Receiver Array: Personnel Type 15 (3 light-year range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: One forward, one in Engineering hull
Type: Emergency [4 Power/use] 30
Pads: 8
Emitter/Receiver Array: Emergency Type 5 (25,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: One forward, one in Engineering hull
Type: Cargo [9 Power/use] 21
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 11 (3 light-year range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Forward

Cloaking Device: None

Security Systems
Rating: 5 20
Anti-Intruder System: Yes [1 Power/round] 3
Internal Force Fields [1 Power/3 Strength] 3

Science Systems
Rating 1 (+0) [1 Power/round] 8
Specialized Systems: None
Laboratories: None

TACTICAL SYSTEMS

Forward Dorsal Polaron Beam Array 44
Type: 9
Damage: 200 [20 Power]
Number of Emitters: Up to 3 shots per round
Targeting System: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Forward dorsal
Firing Arc: 405 degrees dorsal
Firing Modes: Standard, Pulse

Forward Ventral Polaron Beam Array 44
Type: 9
Damage: 200 [20 Power]
Number of Emitters: Up to 3 shots per round
Targeting System: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Forward ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Pulse

Aft Polaron Beam Array 44
Type: 9
Damage: 200 [20 Power]
Number of Emitters: Up to 3 shots per round
Targeting System: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Aft
Firing Arc: 360 degrees aft
Firing Modes: Standard, Pulse

TA/T/TS: Class Beta [1 Power/round] 9
Strength: 8
Bonus: +1

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) 17 (x4)
Shield Generator: Class 2 (Protection 250)
[25 Power/shield/round]
Shield Grid: Type B (33% increase to 333 Protection)
Subspace Field Distortion Amplifiers: Class Beta (Threshold 80)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 4

Auto-Destruct System 3

AUXILIARY SPACECRAFT SYSTEMS: NONE

DESCRIPTION AND NOTES

Fleet data: This ship is the primary fighter used by the Dominion's genetically engineered super-soldiers, the Jem'Hadar. Equipped with powerful engines, it is a fast, maneuverable ship. It mounts three polaron beam arrays, and can carry some additional weapons if necessary (some, for example, are equipped with a forward torpedo launcher which fires the equivalent of Type II photon torpedoes). Its shield prevent Starfleet vessels from locking tractor beams on it.

Jem'Hadar Attack Ships have a very weak dorsal field junction (located aft dorsal). If successfully targeted using the standard rules for hitting a shield junction (*Spacedock*, page 135), the attack ignores the ship's shields entirely and inflicts double damage.

In addition to its general use as a fighter, the Jem'Hadar Attack Ship also acts as a small troop carrier. It has a large access port on its ventral side for onloading and offloading Jem'Hadar soldiers.

DOMINION BATTLE CRUISER

Class and Type: Jem'Hadar Battle Cruiser
Commissioning Date: Mid-24th century

HULL SYSTEMS

Size: 8
Length: 639.75 meters
Beam: 568.44 meters
Height: 204.97 meters
Decks: 45
Mass: 4,750,000 metric tonnes
SUs Available: 3,100
SUs Used: 2,998

Hull

Outer	32
Inner	32

Resistance

Outer Hull: 10	12
Inner Hull: 10	12

Structural Integrity Field

Main: Class 7 (Protection 100/150) [1 Power/10 Protection/round]	38
Backup: Class 7 (Protection 50) [1 Power/10 Protection/round]	19
Backup: Class 7 (Protection 50) [1 Power/10 Protection/round]	19

Specialized Hull: Atmospheric Capability; Planetfall Capability **16**

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 2,500/3,000/18,500

Crew Quarters

Spartan: None	
Basic: 300	30
Expanded: 100	20
Luxury: 30	30
Unusual: 5	5

Environmental Systems

Basic Life Support [13 Power/round]	32
Reserve Life Support [6 Power/round]	16
Emergency Life Support (48 emergency shelters)	16
Gravity [4 Power/round]	8
Consumables: 3 years' worth	24
Food Replicators [8 Power/round]	8
Industrial Replicators	20
Type: Network of small replicators [2 Power/round]	
Type: 4 large units [2 Power/replicator/round]	
Medical Facilities: 4 (+1) [4 Power/round]	20
Recreation Facilities: 1 [2 Power/round]	8
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	24
Fire Suppression System [1 Power/round when active]	8
Cargo Holds: 200,000 cubic meters	6
Locations: Aft ventral, 10 other locations throughout ship	
Escape Pods	5
Number: 100	
Capacity: 4 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6D	105
Speed: 6.0/9.2/9.6 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 7 (.75c/.92c) [7/9 Power/round]	35
Location: Aft	

Impulse Engine

Type: Class 7 (.75c/.92c) [7/9 Power/round]	35
Location: Aft, port and starboard	

Impulse Engine

Type: Class 7 (.75c/.92c) [7/9 Power/round]	35
Location: Port and starboard pylons	
Reaction Control System (.025c) [2 Power/round when in use]	8

POWER SYSTEMS

Warp Engine

Type: Class 13/S (generates 699 Power/round)	145
Location: Engineering section	
Impulse Engine[s]: 3 Class 7 (generate 56 Power/engine/round)	
Auxiliary Power: 6 reactors (generate 5 Power/reactor/round)	18
Emergency Power: Type F (generates 50 Power/round)	50
EPS: Standard Power flow, +400 Power transfer/round	80

Standard Usable Power: 867

OPERATIONS SYSTEMS

Bridge: Dorsal	40
Auxiliary Control Room: Battle bridge, Engineering	24

Computers

Core 1: Forward, port [5 Power/round]	16
Core 2: Forward, starboard [5 Power/round]	16
Core 3: Engineering [5 Power/round]	16
Uprating: Class Beta (+2) [2 Power/computer/round]	12
ODN	24

Navigational Deflector [5 Power/round] **40**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Dorsal

Sensor Systems

Long-range Sensors [5 Power/round]	44
Range Package: Type 7 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.8/3.9-5.0)	
Low Resolution: 17 light-years (1/1.1-6.0/6.1-13.0/13.1-17)	
Strength Package: Class 10 (Strength 10)	
Gain Package: Class Beta (+2)	
Coverage: Standard	

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Lateral Sensors [5 Power/round] 16
Strength Package: Class 10 (Strength 10)
Gain Package: Class Beta (+2)
Coverage: Standard
Navigational Sensors: [5 Power/round] 14
Strength Package: Class 10 (Strength 10)
Gain Package: Class Beta (+2)
Probes: 60 6

Sensors Skill: 5

Flight Control Systems
Autopilot: Shipboard Systems (Flight Control) 4, Coordination 2 [1 Power/round in use] 14
Navigational Computer
Main: Class 3 (+2) [2 Power/round] 4
Backups: Two full-strength navigational computers 8
Inertial Damping Field
Main 80
Strength: 9 [3 Power/round]
Number: 5
Backup 20
Strength: 6 [2 Power/round]
Number: 5
Attitude Control [2 Power/round] 2

Communications Systems
Type: Class 10 [2 Power/round] 30
Strength: 10
Security: -7 (Class Delta uprating)
Basic Uprating: Class Beta (+2)
Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Forward dorsal
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Forward ventral
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Aft ventral
Emitter: Class Alpha [3 Power/Strength used/round] 3
Accuracy: 5/6/8/11
Location: Shuttlebay

Transporters
Type: Personnel [9 Power/use] 240
Pads: 6
Emitter/Receiver Array: Personnel Type 15 (3 light-year range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Eight throughout ship
Type: Emergency [7 Power/use] 92
Pads: 20
Emitter/Receiver Array: Emergency Type 5 (25,000 km range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Four throughout ship
Type: Cargo [9 Power/use] 104
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 11 (3 light-year range)
Energizing/Transition Coils: Class H (Strength 8)
Number and Location: Four throughout ship

Cloaking Device: None

Security Systems
Rating: 5 20
Anti-Intruder System: Yes [1 Power/round] 8
Internal Force Fields [1 Power/3 Strength] 8

Science Systems
Rating 2 (+1) [2 Power/round] 18
Specialized Systems: 2 10
Laboratories: 24 6

TACTICAL SYSTEMS

Forward Dorsal Polaron Array **55**
Type: 12
Damage: 260 [26 Power]
Number of Emitters: Up to 5 shots per round
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Forward dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Pulse

Forward Ventral Polaron Array **55**
Type: 12
Damage: 260 [26 Power]
Number of Emitters: Up to 5 shots per round
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Forward ventral
Firing Arc: 360 degrees ventral
Firing Modes: Standard, Pulse

Aft Dorsal Polaron Array **55**
Type: 12
Damage: 260 [26 Power]
Number of Emitters: Up to 5 shots per round
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Aft dorsal
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Pulse

Aft Ventral Polaron Array **55**
Type: 12
Damage: 260 [26 Power]
Number of Emitters: Up to 5 shots per round
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Aft ventral
Firing Arc: 360 degrees dorsal
Firing Modes: Standard, Pulse

Starboard Pylon Polaron Array **55**
Type: 12
Damage: 260 [26 Power]
Number of Emitters: Up to 5 shots per round
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Starboard pylon dorsal
Firing Arc: 210 degrees starboard
Firing Modes: Standard, Pulse

Port Pylon Polaron Array **55**
Type: 12
Damage: 260 [26 Power]
Number of Emitters: Up to 5 shots per round
Auto-Phaser Interlock: Accuracy 3/4/6/9
Range: 10/30,000/100,000/300,000
Location: Port pylon dorsal
Firing Arc: 210 degrees port
Firing Modes: Standard, Pulse

Forward Dorsal Torpedo Launcher **19**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Forward dorsal
Firing Arc: Forward, but are self-guided

Forward Ventral Torpedo Launcher **19**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Forward ventral
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher **19**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 3/4/6/9
Power: [20 + 5 per torpedo fired]
Location: Aft ventral
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 300 **30**

TA/T/TS: Class Gamma [2 Power/round] **12**
Strength: 9
Bonus: +2

Weapons Skill: 5

Shields (Forward, Aft, Port, Starboard) **126 (x4)**
Shield Generator: Class 7 (Protection 1300)
[130 Power/shield/round]
Shield Grid: Type C (50% increase to 1950 Protection)
Subspace Field Distortion Amplifiers: Class Iota (Threshold 430)
Recharging System: Class 2 (40 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **8**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 45 Size worth of ships **90**
Standard Complement: 15 Jem'Hadar Attack Ships
Location(s): Aft, forward dorsal, three other locations

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The primary capital ship of the Dominion, the Jem'Hadar Battle Cruiser is as large as a *Galaxy*-class Explorer. It features an impressive array of weapons, extremely strong shields, and technology often far in advance of comparable Federation systems. For example, its transporters have a much longer range (up to three light-years), and its weapons and transporters could, until 2373, effortlessly penetrate Starfleet shields.

Most unusually for a ship of its size, the Jem'Hadar Battle Cruiser can enter atmospheres and land on planets using its ventral impeller. This provides it a tactical option most ships its size lack.

In addition to its role as an offensive platform and tool of the Dominion's intimidation policy, the Battle Cruiser also functions as a carrier. Its large shuttlebay holds up to 15 Jem'Hadar Attack Ships.

KLINGON B'REL CLASS

Class and Type: *B'rel*-class Light Warship

Commissioning Date: Mid 24th-century

HULL SYSTEMS

Size: 4
- Length: 157.76 meters
- Beam: 181.54 meters
- Height: 98.54 meters
- Decks: 5
- Mass: 236,000 metric tonnes
- SUs Available: 1,075
- SUs Used: 1,007

Hull
- Outer 16
- Inner 16

Resistance
- Outer Hull: 8 9
- Inner Hull: 8 9

Structural Integrity Field
- Main: Class 3 (Protection 60/90)
  - [1 Power/10 Protection/round] 22
- Backup: Class 3 (Protection 30)
  - [1 Power/10 Protection/round] 11
- Backup: Class 3 (Protection 30)
  - [1 Power/10 Protection/round] 11

Specialized Hull: Atmospheric Capability; Planetfall Capability 8

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 12/28/350

Crew Quarters
- Spartan: 25 2
- Basic: 10 1
- Expanded: None
- Luxury: None
- Unusual: None

Environmental Systems
- Basic Life Support [7 Power/round] 16
- Reserve Life Support [4 Power/round] 8
- Emergency Life Support (24 emergency shelters) 8
- Gravity [2 Power/round] 4
- Consumables: 1 year's worth 4
- Food Replicators [4 Power/round] 4
- Industrial Replicators 4
  - Type: Network of small replicators [2 Power/round]
- Medical Facilities: 2 (+0) [2 Power/round] 10
- Recreation Facilities: 3 [6 Power/round] 24
- Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round] 12
- Fire Suppression System [1 Power/round when active] 4
- Cargo Holds: 9,000 cubic meters 1
  - Locations: Dorsal amidships
- Escape Pods 5
  - Number: 100
  - Capacity: 4 persons per pod

PROPULSION SYSTEMS

Warp Drive
- Nacelles: Type 6B6 98
  - Speed: 6.0/8.5/9.6 [1 Power/.2 warp speed]
  - PIS: Type C (6 hours of Maximum warp) 6
  - Downgrading: -0.1 Sustainable speed -1
  - Special Configuration: Embedded 16

Impulse Engine
- Type: Class 3A (.5c/.75c) [5/7 Power/round] 18
  - Acceleration Uprating: Class Alpha (66% acceleration) [1 Power/round when active] 2
  - Location: Aft

Impulse Engine
- Type: Class 3A (.5c/.75c) [5/7 Power/round] 18
  - Acceleration Uprating: Class Alpha (66% acceleration) [1 Power/round when active] 2
  - Location: Aft

Reaction Control System (.025c) [2 Power/round when in use] 4

POWER SYSTEMS

Warp Engine
- Type: Class 4/G (generates 245 Power/round) 55
  - Location: Aft amidships

Impulse Engine[s]: 2 Class 3A (generate 28 Power/engine/round)
Auxiliary Power: 3 reactors (generate 5 Power/reactor/round) 9
Emergency Power: Type C (generates 35 Power/round) 35
EPS: Standard Power flow, +150 Power transfer/round 35

Standard Usable Power: 301

OPERATIONS SYSTEMS

Bridge: Command hull dorsal 20

Computers
- Core 1: Engineering ventral [5 Power/round] 8
- ODN 12

Navigational Deflector [5 Power/round] 16
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
  - Location: Engineering ventral

Sensor Systems
- Long-range Sensors [5 Power/round] 23
  - Range Package: Type 2 (Accuracy 3/4/7/10)
  - High Resolution: 5 light-years (.5/.6-1.0/1.1-3.5/3.6-5.0)
  - Low Resolution: 12 light-years (1/1.1-3.0/3.1-8.0/8.1-12)
  - Strength Package: Class 6 (Strength 6)
  - Gain Package: Class Alpha (+1)
  - Coverage: Standard
- Lateral Sensors [5 Power/round] 15
  - Strength Package: Class 6 (Strength 6)
  - Gain Package: Class Alpha (+1)
  - Coverage: Standard
- Navigational Sensors: [5 Power/round] 14
  - Strength Package: Class 6 (Strength 6)
  - Gain Package: Class Alpha (+1)
- Probes: 20 2

Sensors Skill: 4

Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2 [1 Power/round in use] — 11
- Navigational Computer
  - Main: Class 2 (+1) [1 Power/round] — 2
  - Backups: 2 — 2
- Inertial Damping Field
  - Main — 24
    - Strength: 9 [3 Power/round]
    - Number: 3
  - Backup — 6
    - Strength: 6 [2 Power/round]
    - Number: 3
- Attitude Control [1 Power/round] — 1

Communications Systems
- Type: Class 6 [2 Power/round] — 14
  - Strength: 6
  - Security: -3 (Class Gamma uprating)
- Emergency Communications: Yes [2 Power/round] — 1

Tractor Beams
- Emitter: Class Gamma [3 Power/Strength used/round] — 9
  - Accuracy: 4/5/7/10
  - Location: Forward ventral
- Emitter: Class Gamma [3 Power/Strength used/round] — 9
  - Accuracy: 4/5/7/10
  - Location: Aft ventral

Transporters
- Type: Personnel [4 Power/use] — 15
  - Pads: 4
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: One in Engineering section
- Type: Cargo [4 Power/use] — 12
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: One in Engineering section

Cloaking Device: Class 7 [40 Power/class/round] — 25

Security Systems
- Rating: 4 — 16
- Anti-Intruder System: Yes [1 Power/round] — 4
- Internal Force Fields [1 Power/3 Strength] — 4

Science Systems
- Rating 1 (+0) [1 Power/round] — 9
- Specialized Systems: None
- Laboratories: 3 — 2

TACTICAL SYSTEMS

Starboard Disruptor Cannon — 32
- Type: 7
  - Damage: 160 [16 Power]
  - Number of Emitters: Up to 3 shots per round
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Tip of starboard "wing"
  - Firing Arc: 180 degrees forward
  - Firing Modes: Standard, Pulse

Port Disruptor Cannon — 32
- Type: 7
  - Damage: 160 [16 Power]
  - Number of Emitters: Up to 3 shots per round
  - Auto-Phaser Interlock: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Tip of port "wing"
  - Firing Arc: 180 degrees forward
  - Firing Modes: Standard, Pulse

Forward Torpedo Launcher — 16
- Standard Load: Type II photon torpedo (200 Damage)
  - Spread: 6
  - Range: 15/300,000/1,000,000/3,000,000
  - Targeting System: Accuracy 4/5/7/10
  - Power: [20 + 5 per torpedo fired]
  - Location: Forward, ventral of command section
  - Firing Arc: Forward, but are self-guided

Torpedoes Carried: 100 — 10

TA/T/TS: Class Beta [1 Power/round] — 9
- Strength: 8
- Bonus: +1

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) — 29 (x4)
- Shield Generator: Class 3 (Protection 560 + 100 [embedded nacelles]) [56 Power/round]
- Shield Grid: Type C (50% increase to 840 Protection)
- Subspace Field Distortion Amplifiers: Class Delta (Threshold 180 + 10 [embedded nacelles])
- Recharging System: Class 1 (45 seconds)
- Backup Shield Generators: 4 (1 per shield) — 4

Auto-Destruct System — 4

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 6 Size worth of ships — 12
- Standard Complement: 3 shuttlecraft
- Location(s): Aft dorsal Engineering

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: The *B'rel*-class Light Warship, or "bird of prey" as it is most often known, is one of the main vessels of the Imperial Klingon Defense Forces and various Great House military forces of the Klingon Empire. Fast and agile, it possesses atmospheric and planetfall capabilities, making it ideally suited for many different types of assaults, raids, escort, and scouting or patrol missions.

The *B'rel*'s main weapons are two Type V disruptor cannons, one mounted at the tip of each "wing" (unlike most ships, which mount the warp nacelles at the ends of pylons, the *B'rel* embeds them partly within its Engineering hull in the center of its aft region). The cannons can swivel within a 270-degree arc, giving the ship a fairly broad field of fire even when it

cannot move. The *B'rel* mounts a single photon torpedo launcher on the forward ventral side of the command module. To maximize the *B'rel*'s offensive capacity, its commanders often fire the two disruptor cannons in tandem (*i.e.,* as a Multifire attack). Its greatest tactical weakness is that all of its weapons face forward, with limited arcs of fire. It cannot fire at opponents behind it or to its side, it can only attack targets almost directly in front of it.

The *B'rel* has three flight modes: landing (wings fully raised); flight (wings held at mid-point); and attack (wings fully descended). However, these are only preferred operating modes, not technological limitations; the ship can attack, cruise, or enter an atmosphere in any mode.

Most *B'rel*-class Light Warships have crews of about 12. However, in wartime or when conflict is expected, the "passengers" are actually fellow soldiers who function as additional crew, giving the vessel a complement of three dozen or more.

B'rel Variants

The Klingons have created many different *B'rel* variants. The most common, the D-12 class Bird of Prey, has an improved targeting system involving a periscope-like device which descends in front of the captain's chair. The captain, looking through the scope, can obtain more accurate targeting locks (upgrade to a Class Gamma TA/T/TS for modern D-12s). However, necessary modifications to the cloaking device render its plasma coil defective. If the ship is hit with a low-level ionic pulse, the cloak automatically engages, leaving the vessel without shields (and thus completely vulnerable to attack) for two seconds.

The dimensions listed for the *B'rel* represent an average length. Due to individual House preferences, resource availability, and other considerations, they can range in size from about 110 meters in length to about 175 meters. However, all should be considered Size 4 for game purposes.

Noteworthy vessels/service records/ encounters: *I.K.S. Rotarran,* commanded by General Martok during the Dominion War; *I.K.S. Ch'vang,* fought during the Dominion War (2374-75); *I.K.S. Al'vang*, fought during the Dominion War (2374-75).

KLINGON K'VORT CLASS

Class and Type: *K'Vort*-class Warship

Commissioning Date: Mid 24th-century

HULL SYSTEMS

Size: 7
- Length: 323.40 meters
- Beam: 335.61 meters
- Height: 140.73 meters
- Decks: 10
- Mass: 2,450,000 metric tonnes
- SUs Available: 1,900
- SUs Used: 1,845

Hull

Outer	28
Inner	28

Resistance

Outer Hull: 10	12
Inner Hull: 10	12

Structural Integrity Field

Main: Class 6 (Protection 90/130)	
[1 Power/10 Protection/round]	34
Backup: Class 6 (Protection 45)	
[1 Power/10 Protection/round]	17
Backup: Class 6 (Protection 45)	
[1 Power/10 Protection/round]	17

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 355/1,200/7,500

Crew Quarters

Spartan: 900	45
Basic: 300	30
Expanded: 50	10
Luxury: 10	10
Unusual: None	

Environmental Systems

Basic Life Support [11 Power/round]	28
Reserve Life Support [6 Power/round]	14
Emergency Life Support (42 emergency shelters)	14
Gravity [4 Power/round]	7
Consumables: 2 years' worth	14
Food Replicators [7 Power/round]	7
Industrial Replicators	10
Type: Network of small replicators [2 Power/round]	
Type: 1 large unit [2 Power/replicator/round]	
Medical Facilities: 4 (+1) [4 Power/round]	20
Recreation Facilities: 5 [10 Power/round]	40
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	21
Fire Suppression System [1 Power/round when active]	7
Cargo Holds: 33,000 cubic meters	1
Locations: Dorsal amidships	
Escape Pods	8
Number: 160	
Capacity: 4 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6D	105
Speed: 6.0/9.2/9.6 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16
Special Configuration: Embedded	28

Impulse Engine

Type: Class 3A (.5c/.75c) [5/7 Power/round]	18
Location: Aft	

Impulse Engine

Type: Class 3A (.5c/.75c) [5/7 Power/round]	18
Location: Aft	
Reaction Control System (.025c) [2 Power/round when in use]	7

POWER SYSTEMS

Warp Engine

Type: Class 8/N (generates 430 Power/round)	93
Location: Aft amidships	
Impulse Engine[s]: 2 Class 3A (generate 28 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type E (generates 45 Power/round)	45
EPS: Standard Power flow, +250 Power transfer/round	60

Standard Usable Power: 486

OPERATIONS SYSTEMS

Bridge: Command hull dorsal	35

Computers

Core 1: Engineering ventral [5 Power/round]	14
Core 2: Engineering forward [5 Power/round]	14
ODN	21

Navigational Deflector [5 Power/round]	**28**
Range: 10/20,000/50,000/150,000	
Accuracy: 5/6/8/11	
Location: Engineering ventral	

Sensor Systems

Long-range Sensors [5 Power/round]	33
Range Package: Type 4 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.5/3.6-5.0)	
Low Resolution: 14 light-years (1/1.1-3.5/3.6-10.0/10.1-14)	
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	17
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	16
Strength Package: Class 7 (Strength 7)	
Gain Package: Class Alpha (+1)	
Probes: 40	4

Sensors Skill: 4

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2	
[1 Power/round in use]	11

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Navigational Computer
Main: Class 2 (+1) [1 Power/round] 2
Backups: 2 2
Inertial Damping Field
Main 56
Strength: 9 [3 Power/round]
Number: 4
Backup 16
Strength: 6 [2 Power/round]
Number: 4
Attitude Control [2 Power/round] 2

Communications Systems
Type: Class 7 [2 Power/round] 17
Strength: 7
Security: -3 (Class Gamma uprating)
Basic Uprating: Class Alpha (+1)
Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Forward ventral
Emitter: Class Delta [3 Power/Strength used/round] 12
Accuracy: 4/5/7/10
Location: Aft ventral

Transporters
Type: Personnel [4 Power/use] 30
Pads: 4
Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: One in command section, one in Engineering section
Type: Cargo [4 Power/use] 24
Pads: 400 kg
Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
Energizing/Transition Coils: Class G (Strength 7)
Number and Location: Two in Engineering section

Cloaking Device: Class 8 [40 Power/class/round] 31

Security Systems
Rating: 4 16
Anti-Intruder System: Yes [1 Power/round] 4
Internal Force Fields [1 Power/3 Strength] 4

Science Systems
Rating 1 (+0) [1 Power/round] 9
Specialized Systems: None
Laboratories: 7 2

TACTICAL SYSTEMS

Starboard Forward Disruptor Cannon 40
Type: 9
Damage: 200 [20 Power]
Number of Emitters: Up to 3 shots per round
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Tip of starboard "wing"
Firing Arc: 180 degrees forward
Firing Modes: Standard, Pulse

Port Forward Disruptor Cannon 40
Type: 9
Damage: 200 [20 Power]
Number of Emitters: Up to 3 shots per round
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Tip of starboard "wing"
Firing Arc: 180 degrees forward
Firing Modes: Standard, Pulse

Starboard Aft Disruptor Cannon 40
Type: 9
Damage: 200 [20 Power]
Number of Emitters: Up to 3 shots per round
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering aft, starboard
Firing Arc: 180 degrees aft
Firing Modes: Standard, Pulse

Port Aft Disruptor Cannon 40
Type: 9
Damage: 200 [20 Power]
Number of Emitters: Up to 3 shots per round
Auto-Phaser Interlock: Accuracy 4/5/7/10
Range: 10/30,000/100,000/300,000
Location: Engineering aft, port
Firing Arc: 180 degrees aft
Firing Modes: Standard, Pulse

Forward Torpedo Launcher 16
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,000,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward, ventral of command section
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher 16
Standard Load: Type II photon torpedo (200 Damage)
Spread: 6
Range: 15/300,000/1,000,000/3,000,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Engineering aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 160 16

TA/T/TS: Class Beta [1 Power/round] 9
Strength: 8
Bonus: +1

Weapons Skill: 4

Shields (Forward, Aft, Port, Starboard) 80 (x4)
Shield Generator: Class 5 (Protection 900 + 100 [embedded nacelles]) [90 Power/shield/round]
Shield Grid: Type C (50% increase to 1,350 Protection)
Subspace Field Distortion Amplifiers: Class Zeta (Threshold 300 + 10 [embedded nacelles])
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System 7

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 12 Size worth of ships **24**
Standard Complement: 6 shuttlecraft
Location(s): Aft dorsal Engineering

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: Built using the same plans as the *B'rel*-class Light Warship, but to larger dimensions, the *K'Vort*-class Warship (or Battle Cruiser) serves prominently in the Imperial Klingon Defense Forces and many House militaries. While not as powerful or sophisticated as the *Vor'cha*-class Heavy Warship, it is cheaper to build and maintain, making it attractive to many poorer Houses.

Unlike the *B'rel,* the *K'Vort*-class vessel has only two flight modes, "attack" and "flight"; it lacks atmospheric capability, and so does not need a "landing" mode. However it avoids one of the *B'rel*'s chief weaknesses by placing two disruptor cannons and one torpedo launcher aft. Its disruptor cannons often fire in tandem (*i.e.,* as a Multifire attack).

The *K'Vort*'s primary crew numbers only about 350. However, it is designed to serve as a troop transport, and can carry about 1,200 more personnel if need be.

The dimensions listed for the *K'Vort* represent an average length. Due to individual House preferences, resource availability, and other considerations, they can range in size from about 250 meters in length to close to 700 meters. However, all should be considered Size 7 for game purposes (unless the Narrator wants to prepare separate templates for the larger ships).

Noteworthy vessels/service records/ encounters: *I.K.S. Pagh,* participated in officer exchange program with Starfleet and came under attack from previously unknown sub-atomic lifeform (2365), *I.K.S. Vorn,* transported Duras to a meeting with the *U.S.S. Enterprise*-D (2367), *I.K.S. Buruk,* transported Gowron to a meeting with the *U.S.S. Enterprise*-D (2367).

KLINGON VOR'CHA CLASS

Class and Type: Klingon *Vor'cha*-class Heavy Warship

Commissioning Date: *Mid-24th century*

HULL SYSTEMS

Size: 7
- Length: 481.32 meters
- Beam: 341.76 meters
- Height: 106.87 meters
- Decks: 22
- Mass: 2,238,000 metric tonnes
- SUs Available: 2,750
- SUs Used: 2,705

Hull

Outer	28
Inner	28

Resistance

Outer Hull: 10	12
Inner Hull: 10	12

Structural Integrity Field

Main: Class 5 (Protection 80/120) [1 Power/10 Protection/round]	31
Backup: Class 5 (Protection 40) [1 Power/10 Protection/round]	16
Backup: Class 5 (Protection 40) [1 Power/10 Protection/round]	16

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 1,900/250/7,350

Crew Quarters

Spartan: 1,200	60
Basic: 800	80
Expanded: 200	40
Luxury: None	
Unusual: None	

Environmental Systems

Basic Life Support [12 Power/round]	28
Reserve Life Support [6 Power/round]	14
Emergency Life Support (42 emergency shelters)	14
Gravity [4 Power/round]	7
Consumables: 2 years' worth	14
Food Replicators [7 Power/round]	7
Industrial Replicators	13
Type: Network of small replicators [2 Power/round]	
Type: 2 large units [2 Power/replicator/round]	
Medical Facilities: 4 (+1) [4 Power/round]	20
Recreation Facilities: 4 [8 Power/round]	32
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	21
Fire Suppression System [1 Power/round when active]	7
Cargo Holds: 166,000 cubic meters	5
Locations: Aft, ventral amidships, 12 other locations	
Escape Pods	9
Number: 160	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 6A6	93
Speed: 6.0/8.0/9.6 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16

Impulse Engine

Type: Class 3A (.5c/.75c) [5/7 Power/round]	18
Location: Aft	

Impulse Engine

Type: Class 3A (.5c/.75c) [5/7 Power/round]	18
Location: Engineering hull	
Reaction Control System (.025c) [2 Power/round when in use]	7

POWER SYSTEMS

Warp Engine

Type: Class 10/P (generates 549 Power/round)	115
Location: Engineering hull	
Impulse Engine[s]: 2 Class 3A (generate 28 Power/engine/round)	
Auxiliary Power: 4 reactors (generate 5 Power/reactor/round)	12
Emergency Power: Type E (generates 45 Power/round)	45
EPS: Standard Power flow, +300 Power transfer/round	65

Standard Usable Power: 605

OPERATIONS SYSTEMS

Bridge: Forward dorsal	35

Computers

Core 1: Forward [5 Power/round]	14
Core 2: Engineering [5 Power/round]	14
ODN	21

Navigational Deflector [5 Power/round] **28**
- Range: 10/20,000/50,000/150,000
- Accuracy: 5/6/8/11
- Location: Ventral

Sensor Systems

Long-range Sensors [5 Power/round]	39
Range Package: Type 5 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.7/3.8-5.0)	
Low Resolution: 15 light-years (1/1.1-4.0/4.1-12.0/12.1-15)	
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	19
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Alpha (+1)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	18
Strength Package: Class 8 (Strength 8)	
Gain Package: Class Alpha (+1)	
Probes: 40	4

Sensors Skill: 4

Flight Control Systems

Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2 [1 Power/round in use]	11

Navigational Computer
- Main: Class 3 (+2) [2 Power/round] 4
- Backups: 2 2

Inertial Damping Field
- Main 56
  - Strength: 9 [3 Power/round]
  - Number: 4
- Backup 16
  - Strength: 6 [2 Power/round]
  - Number: 4

Attitude Control [2 Power/round] 2

Communications Systems
- Type: Class 8 [2 Power/round] 21
  - Strength: 8
  - Security: -4 (Class Gamma uprating)
  - Basic Uprating: Class Alpha (+1)
- Emergency Communications: Yes [2 Power/round] 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] 12
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] 3
  - Accuracy: 5/6/8/11
  - Location: Shuttlebay

Transporters
- Type: Personnel [5 Power/use] 64
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: Two forward, two in Engineering hull
- Type: Cargo [4 Power/use] 48
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class G (Strength 7)
  - Number and Location: Two forward, two in Engineering hull

Cloaking Device: Class 8 [40 Power/class/round] 31

Security Systems
- Rating: 4 16
- Anti-Intruder System: Yes [1 Power/round] 7
- Internal Force Fields [1 Power/3 Strength] 7

Science Systems
- Rating 2 (+1) [2 Power/round] 17
- Specialized Systems: 1 5
- Laboratories: 8 2

TACTICAL SYSTEMS

Forward Disruptor Cannon 58
- Type: 13
  - Damage: 280 [28 Power]
  - Number of Emitters: Up to 5 shots per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Forward weapons pod
  - Firing Arc: 360 degrees forward
  - Firing Modes: Standard, Pulse

Aft Disruptor Array 46
- Type: 10
  - Damage: 220 [22 Power]
  - Number of Emitters: Up to 3 shots per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Aft
  - Firing Arc: 360 degrees aft
  - Firing Modes: Standard, Pulse

Dorsal Disruptor Arrays (5) 230
- Type: 10
  - Damage: 220 [22 Power]
  - Number of Emitters: Up to 3 shots per disruptor per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Five locations on dorsal side of ship
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Pulse

Ventral Disruptor Arrays (5) 230
- Type: 10
  - Damage: 220 [22 Power]
  - Number of Emitters: Up to 3 shots per disruptor per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Five locations on ventral side of ship
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Pulse

Starboard Disruptor Arrays (3) 138
- Type: 10
  - Damage: 220 [22 Power]
  - Number of Emitters: Up to 3 shots per disruptor per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Three locations on ship's starboard side and pylon
  - Firing Arc: 360 degrees starboard
  - Firing Modes: Standard, Pulse

Port Disruptor Arrays (3) 138
- Type: 10
  - Damage: 220 [22 Power]
  - Number of Emitters: Up to 3 shots per disruptor per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Three locations on ship's port side and pylon
  - Firing Arc: 360 degrees port
  - Firing Modes: Standard, Pulse

Forward Dorsal Torpedo Launcher 18
- Standard Load: Type II photon torpedo (200 Damage)
  - Spread: 10
  - Range: 15/350,000/1,500,000/4,050,000
  - Targeting System: Accuracy 4/5/7/10
  - Power: [20 + 5 per torpedo fired]
  - Location: Forward dorsal
  - Firing Arc: Forward, but are self-guided

Forward Ventral Torpedo Launcher **18**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward ventral
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher **18**
Standard Load: Type II photon torpedo (200 Damage)
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 200 **20**

TA/T/TS: Class Gamma [2 Power/round] **12**
Strength: 9
Bonus: +2

Weapons Skill: 5

Shields (Forward, Aft, Port, Starboard) **76 (x4)**
Shield Generator: Class 5 (Protection 900)
[90 Power/shield/round]
Shield Grid: Type B (33% increase to 1200 Protection)
Subspace Field Distortion Amplifiers: Class Eta (Threshold 300)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 8

Auto-Destruct System **7**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 20 Size worth of ships **40**
Standard Complement: 8 shuttlecraft, 4 shuttlepods
Location(s): Aft

Captain's Yacht: No

DESCRIPTION AND NOTES

Fleet data: As of 2375, the main fighting ship of the Imperial Klingon Defense Force and the most powerful Klingon Great Houses is the *Vor'cha*-class Heavy Warship. Like most Klingon ships, it features a design with a broad body and nacelle pylons and a bridge at the end of a "neck" region. It also includes a large sensor module and aft weapons array in its aft dorsal region.

Like most Klingon ships, the *Vor'cha* ignores the amenities of comfortable living—warriors, after all, do not need comfort, which only make them soft!—in favor of more and better systems. Like any proper Klingon vessel, it's heavily armed, with 18 disruptor arrays, a forward disruptor cannon, and three torpedo launchers. The forward cannon is contained in a detachable module. When the ship needs to attain higher impulse speeds, it can eject this pod; this adds +1c to both Sustained and Maximum impulse speeds.

ROMULAN D'DERIDEX CLASS

Class and Type: *D'deridex*-class Heavy Warbird (Battleship)

Commissioning Date: Mid-24th century

HULL SYSTEMS

Size: 10
Length: 1,041.65 meters
Beam: 772.43 meters
Height: 285.47 meters
Decks: 63
Mass: 4,320,000 metric tonnes
SUs Available: 3,325
SUs Used: 3,269

Hull

Outer	40
Inner	40

Resistance

Outer Hull: 10	12
Inner Hull: 10	12

Structural Integrity Field

Main: Class 7 (Protection 100/150)	
[1 Power/10 Protection/round]	40
Backup: Class 7 (Protection 50)	
[1 Power/10 Protection/round]	20
Backup: Class 7 (Protection 50)	
[1 Power/10 Protection/round]	20

PERSONNEL SYSTEMS

Crew/Passengers/Evac: 1,500/400/10,000

Crew Quarters

Spartan: 200	10
Basic: 1,000	100
Expanded: 300	60
Luxury: 85	85
Unusual: 20	20

Environmental Systems

Basic Life Support [12 Power/round]	40
Reserve Life Support [6 Power/round]	20
Emergency Life Support (60 emergency shelters)	20
Gravity [5 Power/round]	10
Consumables: 3 years' worth	30
Food Replicators [10 Power/round]	10
Industrial Replicators	29
Type: Two networks of small replicators [2 Power/round]	
Type: 3 large units [2 Power/replicator/round]	
Medical Facilities: 9 (+2) [9 Power/round]	45
Recreation Facilities: 7 [14 Power/round]	56
Personnel Transport: Turbolifts, Jefferies tubes [2 Power/round]	30
Fire Suppression System [1 Power/round when active]	10
Cargo Holds: 400,000 cubic meters	12
Locations: Ventral main hull, dorsal main hull, 15 other locations	
Escape Pods	12
Number: 220	
Capacity: 8 persons per pod	

PROPULSION SYSTEMS

Warp Drive

Nacelles: Type 5C6	68
Speed: 5.0/8.2/9.6 [1 Power/.2 warp speed]	
PIS: Type H (12 hours of Maximum warp)	16
Uprating: Package 2 (+0.2 for Sustainable)	4

Impulse Engine

Type: Class 4A (.6c/.85c) [6/8 Power/round]	22
Location: Main hull	

Impulse Engine

Type: Class 4A (.6c/.85c) [5/7 Power/round]	22
Location: Main hull	
Reaction Control System (.025c) [2 Power/round when in use]	10

POWER SYSTEMS

Quantum Singularity Engine

Type: Class 13/S (generates 699 Power/round)	145
Location: Main hull	
Impulse Engine[s]: 2 Class 4A (generate 35 Power/engine/round)	
Auxiliary Power: 6 reactors (generate 5 Power/reactor/round)	18
Emergency Power: Type F (generates 50 Power/round)	50
EPS: Standard Power flow, +360 Power transfer/round	86

Standard Usable Power: 755

OPERATIONS SYSTEMS

Bridge: Command hull dorsal forward	50

Computers

Core 1: Command hull [5 Power/round]	20
Core 2: Main hull [5 Power/round]	20
Core 3: Main hull [5 Power/round]	20
Uprating: Class Beta (+2) [2 Power/computer/round]	12
ODN	30

Navigational Deflector [5 Power/round] **40**
Range: 10/20,000/50,000/150,000
Accuracy: 5/6/8/11
Location: Ventral

Sensor Systems

Long-range Sensors [5 Power/round]	40
Range Package: Type 4 (Accuracy 3/4/7/10)	
High Resolution: 5 light-years (.5/.6-1.0/1.1-3.5/3.6-5.0)	
Low Resolution: 14 light-years (1/1.1-3.5/3.6-10.0/10.1-14)	
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Lateral Sensors [5 Power/round]	24
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Coverage: Standard	
Navigational Sensors: [5 Power/round]	22
Strength Package: Class 9 (Strength 9)	
Gain Package: Class Beta (+2)	
Probes: 120	12

Sensors Skill: 5

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Flight Control Systems
- Autopilot: Shipboard Systems (Flight Control) 3, Coordination 2 [1 Power/round in use] — 11
- Navigational Computer
  - Main: Class 3 (+2) [2 Power/round] — 4
  - Backups: 2 — 2
- Inertial Damping Field
  - Main — 100
    - Strength: 9 [3 Power/round]
    - Number: 5
  - Backup — 25
    - Strength: 6 [2 Power/round]
    - Number: 5
- Attitude Control [2 Power/round] — 2

Communications Systems
- Type: Class 8 [2 Power/round] — 26
  - Strength: 8
  - Security: -5 (Class Delta uprating)
  - Basic Uprating: Class Beta (+2)
- Emergency Communications: Yes [2 Power/round] — 1

Tractor Beams
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Forward dorsal
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Forward ventral
- Emitter: Class Delta [3 Power/Strength used/round] — 12
  - Accuracy: 4/5/7/10
  - Location: Aft ventral
- Emitter: Class Alpha [3 Power/Strength used/round] — 6
  - Accuracy: 5/6/8/11
  - Location: One in each shuttlebay

Transporters
- Type: Personnel [5 Power/use] — 144
  - Pads: 6
  - Emitter/Receiver Array: Personnel Type 6 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: Four in command hull, four in main hull
- Type: Emergency [7 Power/use] — 144
  - Pads: 24
  - Emitter/Receiver Array: Emergency Type 3 (15,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: Four in command hull, four in main hull
- Type: Cargo [4 Power/use] — 102
  - Pads: 400 kg
  - Emitter/Receiver Array: Cargo Type 3 (40,000 km range)
  - Energizing/Transition Coils: Class I (Strength 9)
  - Number and Location: Two in command hull, six in main hull

Cloaking Device: Class 10 [40 Power/class/round] — **40**

Security Systems
- Rating: 5 — 20
- Anti-Intruder System: Yes [1 Power/round] — 10
- Internal Force Fields [1 Power/3 Strength] — 10

Science Systems
- Rating 3 (+2) [3 Power/round] — 25
- Specialized Systems: 3 — 15
- Laboratories: 25 — 6

TACTICAL SYSTEMS

Forward Disruptor Array — **58**
- Type: Type 13
  - Damage: 280 [28 Power]
  - Number of Emitters: Up to 5 shots per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Forward command hull
  - Firing Arc: 360 degrees forward
  - Firing Modes: Standard, Pulse

Forward Dorsal Disruptor Array — **50**
- Type: Type 11
  - Damage: 240 [24 Power]
  - Number of Emitters: Up to 5 shots per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Forward dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Pulse

Forward Ventral Disruptor Array — **50**
- Type: Type 11
  - Damage: 240 [24 Power]
  - Number of Emitters: Up to 5 shots per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Forward ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Pulse

Aft Dorsal Disruptor Array — **50**
- Type: Type 11
  - Damage: 240 [24 Power]
  - Number of Emitters: Up to 5 shots per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Aft dorsal
  - Firing Arc: 360 degrees dorsal
  - Firing Modes: Standard, Pulse

Aft Ventral Disruptor Array — **50**
- Type: Type 11
  - Damage: 240 [24 Power]
  - Number of Emitters: Up to 5 shots per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Aft ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Pulse

Command Hull Ventral Disruptor Array — **50**
- Type: Type 11
  - Damage: 240 [24 Power]
  - Number of Emitters: Up to 5 shots per round
  - Targeting System: Accuracy 4/5/7/10
  - Range: 10/30,000/100,000/300,000
  - Location: Command hull ventral
  - Firing Arc: 360 degrees ventral
  - Firing Modes: Standard, Pulse

Forward Torpedo Launcher **28**
Standard Load: Plasma torpedoes
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Forward
Firing Arc: Forward, but are self-guided

Aft Torpedo Launcher **28**
Standard Load: Plasma torpedoes
Spread: 10
Range: 15/350,000/1,500,000/4,050,000
Targeting System: Accuracy 4/5/7/10
Power: [20 + 5 per torpedo fired]
Location: Aft
Firing Arc: Aft, but are self-guided

Torpedoes Carried: 300 **30**

TA/T/TS: Class Gamma [2 Power/round] **12**
Strength: 9
Bonus: +2

Weapons Skill: 5

Shields (Forward, Aft, Port, Starboard) **127 (x4)**
Shield Generator: Class 7 (Protection 1300)
[130 Power/round]
Shield Grid: Type C (50% increase to 1950 Protection)
Subspace Field Distortion Amplifiers: Class Iota (Threshold 430)
Recharging System: Class 1 (45 seconds)
Backup Shield Generators: 4 (1 per shield) 12

Auto-Destruct System **10**

AUXILIARY SPACECRAFT SYSTEMS

Shuttlebay(s): Capacity for 40 Size worth of ships **80**
Standard Complement: 16 shuttlecraft, 8 shuttlepods
Location(s): Main hull ventral, main hull dorsal

Captain's Yacht: Yes **10**

DESCRIPTION AND NOTES

Fleet data: The *D'deridex*-class warbird, a vessel whose very appearance strikes fear into the heart of the enemies of the Romulan Star Empire, is the primary capital ship of the Romulan people (though not the largest; that distinction goes to the *Vereleus*-class Dreadnaught). In fact, its large size may be a subtle psychological tactic designed to intimidate existing and potential opponents.

While Starfleet typically encounters this vessel in hostile situations (or when allied with the Romulans against a mutual foe, as with the recent Dominion War), it actually performs many of the functions and duties of an Explorer. Since their first appearance along the Romulan Neutral Zone in 2364, the *D'deridex*-class has been the most commonly encountered Romulan starship.

Instead of a standard warp engine, the *D'deridex*-class ship has an artificial quantum singularity engine which uses a microscopic synthetic black hole to generate enormous amounts of power. However, once activated, it can never be shut off (except with catastrophic consequences).

The *D'deridex* class wield powerful weaponry, such as Type 13 and 11 disruptors and plasma torpedoes. But its greatest weapon may be its cloaking device, which allows it to travel unseen and undetected around the galaxy. Starfleet believes that the Romulans routinely cross into the Neutral Zone under cover of cloak. Based on information received from the Klingon Empire, Starfleet Command believes that the curvilinear shape of the *D'deridex*-class warbird somehow aids its cloaking system by making EM warping more efficient than with a rectilinear design.

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