

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
Inner Hull: 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

Navigation Deflector [5 Power/round]

Range: 10/20,000/50,000/150,000 24
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

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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

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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

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. Charhev*, 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).

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