

FEDERATION DATA :

Fleet Database :

STAR FLEET REFERENCE: U.S.S. NIGHTHAWK Mk 1 & 2

(Adaptations for FASA's Star Trek Starship Combat Simulator Game.)
by Don W. Shanks

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SHIP MODEL DATA:

Government: United Federation of Planets

Class Name: U.S.S. NIGHTHAWK

Ship Class (size): VII

Hull Number Series: (ST)NCC-890

Ship Max Tonnage Range: 100,000 mt

Number Constructed: 20

Ship's Mission: Scout

Cost (Mcr): 211.0 (323.0)

HULL DATA:

Superstructure Points..... 11 (12)

Damage Chart..... C

Size:

Length..... 79.06 (78.80) meters

Width..... 20.8 meters

Height..... 23.46 (23.2) meters

Mass Displacement..... 70,492.5 (92,592.5) mt

Cargo:

Cargo Units..... 200 SCU

Cargo Capacity..... 10,000 mt

Landing Capability..... None

EQUIPMENT DATA:

Control Computer Type..... L-13 (L-14)

Transporters:

Standard 6-person..... 0

Combat 20-person..... 0

Emergency 22-person..... 0

Cargo, Small..... 0

Cargo, Large..... 0

OTHER DATA:

Crew..... 80

Troops..... 0

Passengers..... 5

Shuttlecraft..... 2

ENGINES & POWER DATA:

Total Power Units Available..... 15 (20)

Movement Point Ratio..... 3 / 1 (2/1)

Warp Engine Type..... FWE - 2 (FWC-2)

Number..... 1

Power Units Available..... 12 (14) each

Stress Chart..... F/J (N/L)

Maximum Safe Cruising Speed..... Warp 6 (7)

Emergency Speed..... Warp 8 (9)

Impulse Engine Type..... FIC - 2 (FIC-3)

Power Units Available..... 3 (6)

Movement Point Ratio..... 2 / 1

WEAPONS & FIRING DATA:

| | |
|--------------------------|-----------------------|
| Beam Weapon Type..... | FL - 2 |
| Number..... | 4 (2 banks of 2 each) |
| Firing Arcs..... | [2 P, 2 S] |
| Firing Chart..... | F |
| Maximum Power..... | 2 |
| Range (Hexes)..... | 8 |
| Damage Modifiers..... | 0 |
| Missile Weapon Type..... | FAC - 1 |
| Number..... | 1 |
| Firing Arcs..... | [1F] |
| Firing Chart..... | F |
| Power to Arm..... | 3 |
| Damage..... | 8 |
| Range (Hexes)..... | 10 |

SHIELD DATA:

| | |
|----------------------------|-------|
| Deflector Shield Type..... | FSE |
| Shield Point Ratio..... | 1 / 1 |
| Maximum Shield Power..... | 8 |

COMBAT EFFICIENCY:

| | |
|----------|---------------|
| WDF..... | 3.0 |
| D..... | 34.73 (46.16) |
| CE..... | 1.04 (1.38) |

OTHER NOTES:

The *U.S.S. Nighthawk* class scouts were developed in the period between the last Kzinti Incursion and just before the Earth / Romulan War. The Mark One version utilized the second generation warp drive unit. After the Romulan War, this class would be refitted with third generation drive units. It was also at this time that the "N.C.C." numbers began to be applied to ships of the fleet.

The FAC-1 cannon is a fixed mount located in the pylon and the ship must be maneuver around to aim the weapon.

The *U.S.S. OSPREY* (NCC-899) took part in one of the first operations conducted with the new Star Fleet Marines to rescue a kidnapped heiress of Opera, near the Rigel Colonies. This operation also marked the only combat use of the "Sky-Hook" technique. Also known as the "Poor Man's Transporter," or "Elevator to the Stars." The two squads used a pressurized cargo container connected to some monofilament wire and a small asteroid that was nudged onto the proper course by the *Osprey*. The Marines safely landed and attacked the hideout of a Orion clan that kidnapped Ms. Diana of Opera. The operation was a success.

Values for the Mark Two version are in parentheses ().

Ship Statistics

Time Period: Earth/Rom.
War to 4 Years War.

Classification: Scout

Catagory: Scout

Class: Nighthawk

Type: Class 1

Model: Mk-I

Naval Construction

Contract: 400

Number Proposed: 200

Number Constructed: 187

Number In Service: 120

Number Lost: 67

Cost (MCr.): 211.0

Dimensions (Meters):

Overall Dimensions:

Length: 79.06 m

Width: 20.8 m

Height: 23.46 m

Displacement (Metric Tons):

Standard: 70,492.5

Full Load: 100,000

Performance:

Impulse Units: (2) SN Unified
Energy Field Units

Impulse Engine Output: 1.5
 $\times 10^8$ w

Impulse Power Index: 1.04

Max Cruise: Speed of Light

Acceleration Rate:

0.00-0.25 Impulse: 0.199 sec.

0.25-0.50 Impulse: 0.316 sec.

0.50-0.75 Impulse: 0.569 sec.

0.75- Full Impulse: 0.688 sec.

Warp Units: (1) PB-11

Circumferential Warp

Drive Nacelle Units

Warp Engine Output:

$.4 \times 10^9$ w

[Old Speed Standard

Numerology]

Optimum Speed: Warp 5

Max. Safe Cruise: Warp 6

Emergency Speed: Warp 8

Max. Speed: Warp 8.21

Destructive Speed: Warp 8.7

Acceleration Times:

Onset - Warp 1: 1.403 sec.

Warp 1 - Warp 2: 0.271 sec.

Warp 2 - Warp 3: 0.327 sec.

Warp 3 - Warp 4: 0.343 sec.

Warp 4 - Warp 5: 0.469 sec.

Warp 5 - Warp 6: 0.554 sec.

Warp 6 - Warp 7: 0.679 sec.

Warp 7 - Warp 8: 0.837 sec.

Warp 8 - Warp 9: 0.000 sec.

Warp 9 - Warp 10: 0.000 sec.

Warp 10 - Warp 11: 0.000 sec.

Warp 12 - Warp 14: 0.000 sec.

Warp 14 - Warp 15: 0.000 sec.

Duration (Years):

Standard: 2 Years

Maximum: 4 Years

Std. Ships Complement: 80

Officers: 20

Crew: 50

Troops: 0

Passengers: 5

Emergency Condition:
+85

Medical Facilities:

Doctors: 1

Nurses: 2

Operating Rooms: 1

Beds: 5

Laboratories: 2

Transporters Total: 0

6 Person: 0

12 Person: 0

22 Person: 0

Sm. Cargo: 0

Med. Cargo: 0

Large Cargo: 0

Brigs: 1

Tractor Beams: 0

Cargo Specification:

Std. Cargo Units: 200

Cargo Capacity: 10,000 mt

Shuttlecraft Specifications:

Docking Ports: 2

Shuttlecraft Bays Total: 1

Sm. Bay: 1

Med. Bay: 0

Lg Bay: 0

Super Bay: 0

Shuttlecraft Standard: 2

Work Pods: 0

Travel Pods: 0

Aquatic Shuttle: 0

Light Shuttle: 0

Std. Shuttle: 2

Hvy. Shuttle: 0

Cargo Shuttle: 0

Assault Shuttle: 0

Fighter: 0

Hvy. Fighter: 0

Lifeboats: 10

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 0.90

Stellar Survey: 0.93

Short Range: 1.13

Long Range: 1.89

Navigation: 1.04

Special: 0.84

Computers: 1

Type: L-13

ECM Index: 0.95

Shield Rating:

Shield Index: 0.92

Holdoff Power: 8.4×10^8 w

Refresh Rate: 7.89×10^8 w

Breakdown Rate: 0.99×10^8 w

Shield Dimensions:

Length: 158.12 m

Width: 41.6 m

Height: 46.92 m

Weapons:

Energy Beam Wpn Index: 0.9

Missile Wpn Index: 1.82

Weapon Placement:

Total Beam Wpn: 2 banks of 2 each.

Output: 8.5×10^7 w

Range: 8.0×10^5 km

Rate of Fire: 8 ppm/ Cont.

Fwd Banks: 0

Aft Banks: 0

Port Banks: 2

Stbr. Banks: 2

Dorsal Banks: 0

Ventral Banks: 0

Total Missile Wpn: 1 bank of 1 each.

Stock: 30

Range: 6.0×10^6 km

Output: 2 to 24 Megatons

Rate of Fire: 8 per minute

Fwd Banks: 1

Aft Banks: 0

Port Banks: 0

Stbr. Banks: 0

Dorsal Banks: 0

Ventral Banks: 0

Ship Statistics

Time Period: Earth/Rom.
War to 4 Years War.

Classification: Scout

Catagory: Scout

Class: Nighthawk

Type: Class 1

Model: Mk-II (refit)

Naval Construction

Contract: 400

Number Proposed: 200

Number Constructed: 187

Number In Service: 120

Number Lost: 67

Cost (MCr.): 323.0

Dimensions (Meters):

Overall Dimensions:

Length: 78.8 m

Width: 20.8 m

Height: 23.2 m

Displacement (Metric
Tons):

Standard: 92,592.5

Full Load: 100,000

Performance:

Impulse Units: (1) SN Unified
Energy Field Units

Impulse Engine Output: 3.0
 $\times 10^8$ w

Impulse Power Index: 1.33

Max Cruise: Speed of Light

Acceleration Rate:

0.00-0.25 Impulse: 0.178 sec.

0.25-0.50 Impulse: 0.295 sec.

0.50-0.75 Impulse: 0.348 sec.

0.75- Full Impulse: 0.467 sec.

Warp Units: (1) PB-11 A

Circumferential Warp

Drive Nacelle Units

Warp Engine Output:

$.9 \times 10^9$ w

**[Old Speed Standard
Numerology]**

Optimum Speed: Warp 5

Max. Safe Cruise: Warp 7

Emergency Speed: Warp 9

Max. Speed: Warp 9.11

Destructive Speed: Warp 9.7

Acceleration Times:

Onset - Warp 1: 1.293 sec.

Warp 1 - Warp 2: 0.171 sec.

Warp 2 - Warp 3: 0.257 sec.

Warp 3 - Warp 4: 0.334 sec.

Warp 4 - Warp 5: 0.480 sec.

Warp 5 - Warp 6: 0.514 sec.

Warp 6 - Warp 7: 0.700 sec.

Warp 7 - Warp 8: 0.841 sec.

Warp 8 - Warp 9: 0.930 sec.

Warp 9 - Warp 10: 0.000 sec.

Warp 10 - Warp 11: 0.000 sec.

Warp 12 - Warp 14: 0.000 sec.

Warp 14 - Warp 15: 0.000 sec.

Duration (Years):

Standard: 2 Years

Maximum: 4 Years

Std. Ships Complement: 80

Officers: 20

Crew: 50

Troops: 0

Passengers: 5

Emergency Condition:
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Medical Facilities:

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Beds: 5

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Transporters Total: 0

6 Person: 0

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Sm. Cargo: 0

Med. Cargo: 0

Large Cargo: 0

Brigs: 1

Tractor Beams: 0

Cargo Specification:

Std. Cargo Units: 200

Cargo Capacity: 10,000 mt

Shuttlecraft Specifications:

Docking Ports: 2

Shuttlecraft Bays Total: 1

Sm. Bay: 1

Med. Bay: 0

Lg Bay: 0

Super Bay: 0

Shuttlecraft Standard: 2

Work Pods: 0

Travel Pods: 0

Aquatic Shuttle: 0

Light Shuttle: 0

Std. Shuttle: 2

Hvy. Shuttle: 0

Cargo Shuttle: 0

Assault Shuttle: 0

Fighter: 0

Hvy. Fighter: 0

Lifeboats: 10

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 0.93

Stellar Survey: 0.96

Short Range: 1.2

Long Range: 1.95

Navigation: 1.28

Special: 0.98

Computers: 1

Type: L-14

ECM Index: 0.95

Shield Rating:

Shield Index: 0.92

Holdoff Power: 8.4×10^8 w

Refresh Rate: 7.89×10^8 w

Breakdown Rate: 0.99×10^8 w

Shield Dimensions:

Length: 157.6 m

Width: 41.6 m

Height: 46.4 m

Weapons:

Energy Beam Wpn Index: 0.9

Missile Wpn Index: 1.82

Weapon Placement:

Total Beam Wpn: 2 banks of 2
each.

Output: 8.5×10^7 w

Range: 8.0×10^5 km

Rate of Fire: 8 ppm/ Cont.

Fwd Banks: 0

Aft Banks: 0

Port Banks: 2

Stbr. Banks: 2

Dorsal Banks: 0

Ventral Banks: 0

Total Missile Wpn: 1 bank of 1
each.

Stock: 30

Range: 6.0×10^6 km

Output: 2 to 24 Megatons

Rate of Fire: 8 per minute

Fwd Banks: 1

Aft Banks: 0

Port Banks: 0

Stbr. Banks: 0

Dorsal Banks: 0

Ventral Banks: 0

U.S.S. NIGHTHAWK

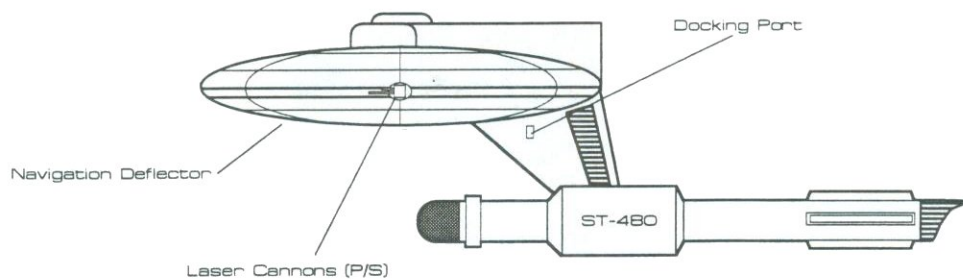
Class: Scout Ship

Meters

0

25

50

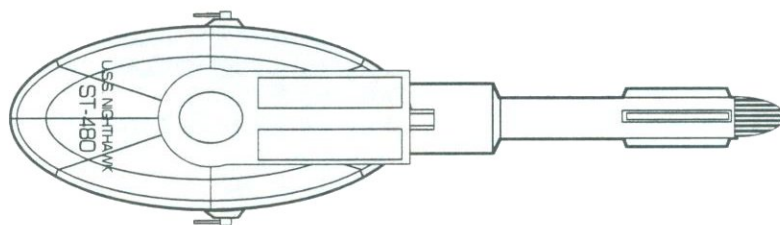


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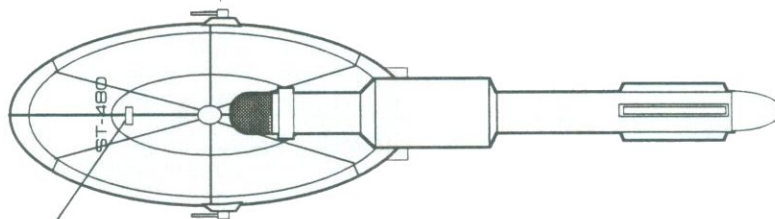
Side Profile

Top Profile

Length: 79.06 m
Width: 20.80 m
Height: 23.46 m

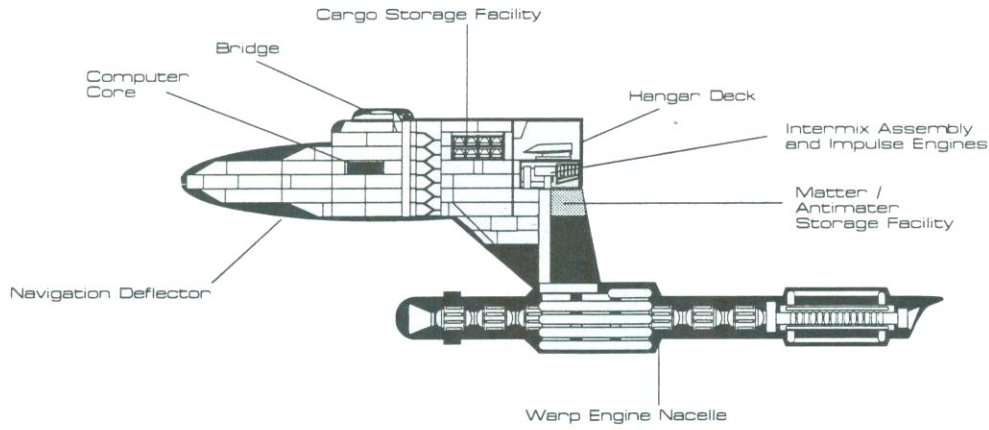


Laser Cannons (P/S)

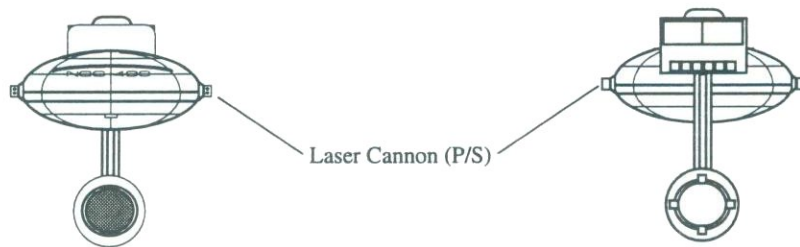


Navigation Deflector

Bottom Profile



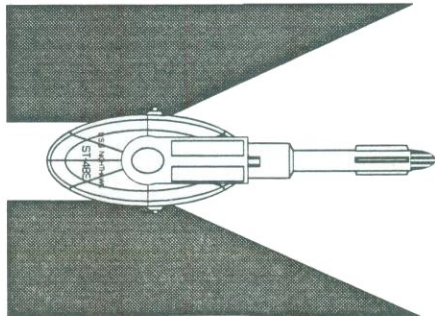
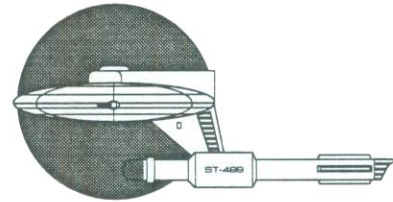
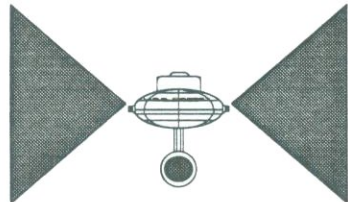
Cut--Away View



Bow Profile

Stern Profile

DISPLAY: Firing Arcs



- Laser Cannon Firing Arcs.
- Missile Firing Arcs

U.S.S. NIGHTHAWK MK 2

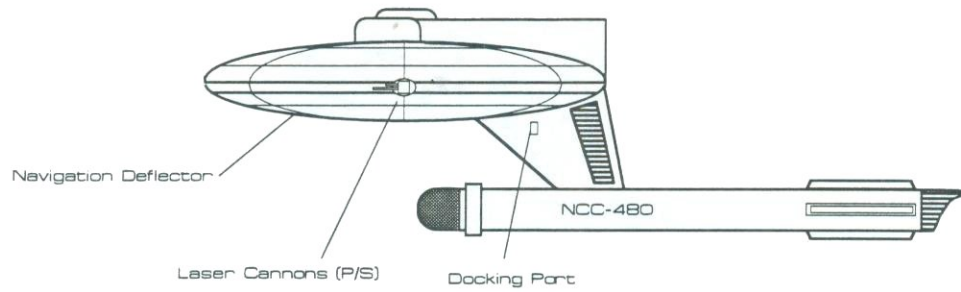
Class: Scout Ship

Meters

0

25

50

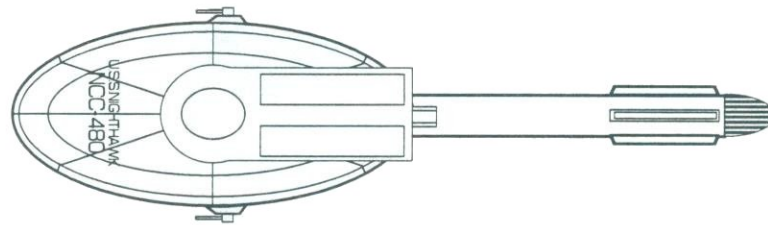


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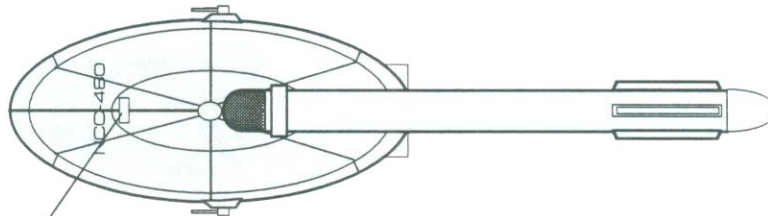
Side Profile

Top Profile

Length: 78.80 m
Width: 20.80 m
Height: 23.20 m

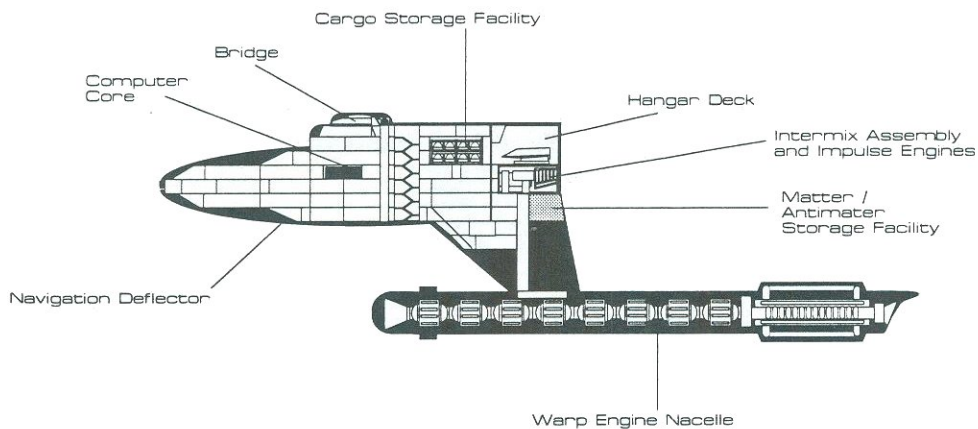


Laser Cannons (P/S)



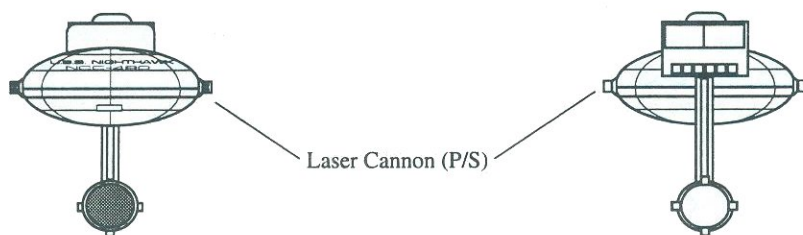
Navigation Deflector

Bottom Profile



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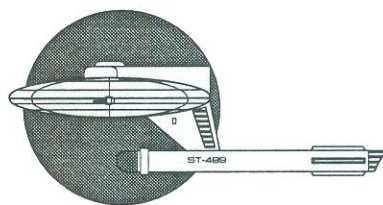
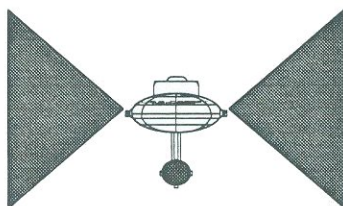
Cut--Away View



Bow Profile

Stern Profile

DISPLAY: Firing Arcs



■ Laser Cannon Firing Arcs.

■ Missile Firing Arcs

by Don W. Shanks

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