

## Wasp Class Fast Attack Destroyer

Name	No.	Builders	Laid Down	Commissioned
WASP	FD 01	Krupp-Armstrong (Alpha Centauri B II)	07 Mar 2254	10 Sep 2258
SWIFTSURE	FD 02		22 Dec 2255	19 Mar 2259
VICTORY	FD 03		17 Jan 2258	26 Nov 2260
EMDEN	FD 04		10 Dec 2258	29 Jan 2260
HORNET	FD 05		29 Mar 2259	30 Oct 2261
HIPPER	FD 06		16 Sep 2260	16 Feb 2262
WARSPITE	FD 07		18 Oct 2261	10 Jul 2263
STEINHART	FD 08		19 Oct 2263	25 Oct 2264
COURAGEOUS	FD 09		13 Nov 2263	03 Jan 2265
DERFFLINGER	FD 10		17 Feb 2264	07 Sep 2266
IMPLACABLE	FD 11		04 Sep 2265	11 Sep 2267 [projected completion]

Initially, the Olympian Defense Forces Space Arm (ODFSA) planned to name the Wasps in sets of four. However, the Lebensraum Party in the Olympian Parliament objected, and further funding for the *Wasp* was secured at the price of permitting the Lebensraum Party to name certain ships.

Despite its checkered budgetary career, the *Wasp* is considered among the finest frigates in known space, demonstrating an excellent balance between firepower, thrust, and protection. They are also costly, but most analysts believe that, in this case, the money has been well spent.



### Specifications

Mass, Fully Loaded: 5,125 metric tons

Total Length: 149.1 meters

Hull Length: 80.5 meters

Hull Diameter: 16.1 meters

Bell Diameter: 31.4 meters

Crew: 72 [14 officers, 58 ratings]

Propulsion:

Radiant Dynamics SG-3 Hyperdrive  
[GDE]

Spänem-Wiley D-T Torch [1.50g, 5.08 TW]

Tactical  $\Delta V$ : 13.13 km/sec

Transit  $\Delta V$ : 105 km/sec

Power Systems:

2 Epstein Delta Reactors [125 MW]

13 Okuda Heatsinks [442 GJ]

14 Semper Paratus Batteries [28 GJ]

450 m<sup>2</sup> of Radiators [318.75 MW]

Armament:

4 Pembrose 4-7Y 4.50m Lasers  
(2400nm)

2 Radiant Dynamics Barker-23-2  
Coilguns

2 Whitworth Heavy Missile Tubes

8 Spänvis G3A Zone Defence Particle  
Beams

Maximum Armor Thickness: 420mm RHA

Sensors:

Kreutzer S43-42 Radar

Sony KG-17-R Lidar

### Development and Class Notes

When the Nations Fédérée Marine D'Étoile merged with Olympia in 2245, it brought immense technical expertise with it. Olympia turned this expertise toward designing a new line of starships. The *Wasp* frigates were conceived as fast attack destroyers, capable of front-line engagement against equivalent-weight ships from any power, and capable of operating as consorts to the *Di Gleria* class command cruisers developed at the same time.

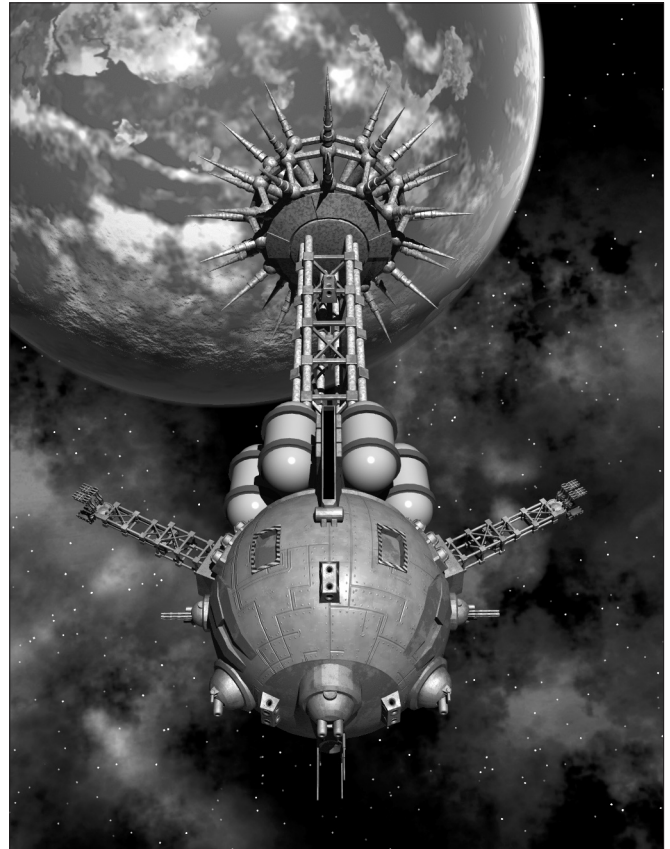
While expensive, the high end Spänem-Wiley torch and its advanced radiators are economical with reaction mass while delivering 1.50g of thrust. In turn, the *Wasp's* high thrust permits them to close the range and deliver the tremendous punch of its 2400nm laser batteries, potentially crippling another frigate in a single salvo and probably obliterating smaller combatants in one shot. The heavy missile tubes and coilguns serve to constrain target maneuver to permit a successful attack run. Since the *Wasp's* 2400nm laser suite requires them to close further than other fleet's 1200nm lasers, the *Wasp* has heavy forward armor for a frigate in hopes of surviving the run. Additional durability comes from the ODFSA practice of armoring fuel tanks. As is standard for Olympian ships, the *Wasp* mounts particle beam zone defense to engage great numbers of incoming projectiles simultaneously.

The weaknesses of the *Wasp* are few. As a cylindrical ship, it does not pivot rapidly. In addition, its power system presents its captains with difficult choices. One salvo from the main battery will consume 24GJ of the 28GJ its batteries can store, leaving little power for coilguns and zone defense during the attack run. While the reactors can be turned on as the attack run commences, this may shorten the ship's heat endurance, and careful timing would still be required to ensure sufficient power remained for the primary salvo.



## SML(F) Mark 1 and SER(F) Mark 2 Hosni al-Rafik Class Multi-Role Fighter

Name	No.	Laid Down	Commissioned
HOSNI AL-RAFIK	Mk.1 0001	06 Apr 2244	30 Jan 2246
RUBALLAH	Mk.1 0002	23 Apr 2244	30 Apr 2248
MAHARIK	Mk.1 0003	04 Aug 2245	02 Dec 2249
SALADIN	Mk.1 0004	02 Aug 2247	22 Aug 2250
KHALID FAHD	Mk.1 0005	05 Jun 2248	27 Jul 2251
FALAH BADIMASSOUD	Mk.1 0006	01 Nov 2249	10 Sep 2252
RAFAEL GANDOLFINI	Mk.1 0007	04 Feb 2250	04 Apr 2253
NASIR AL-HAMEL	Mk.1 0008	10 Jul 2251	24 Jan 2254
GEMEL HUSSEIN	Mk.1 0009	28 Dec 2252	08 Jun 2255
HOSNI KRZEWSKI	Mk.2 0010	30 May 2253	05 Jan 2256
SUL DHOMO	Mk.2 0011	15 Oct 2254	17 Sep 2257
JAMAL BARCA	Mk.2 0012	25 Nov 2255	20 Dec 2258
USAMA BIN-HADEL	Mk.2 0013	16 Dec 2256	03 Sep 2259
SAYYID HUSSEIN	Mk.2 0014	25 Dec 2257	26 Oct 2260
YUSSUF IBN NAGY	Mk.2 0015	02 May 2258	20 May 2261
NAGEV AL-SAIF	Mk.2 0016	25 Dec 2259	22 Jul 2262
SAFI AL-DIN	Mk.2 0017	27 Feb 2260	22 Dec 2263
ALI ISMAIL	Mk.2 0018	05 Nov 2261	13 Feb 2264
UDAI AL-HAMBRA	Mk.2 0019	29 May 2262	02 Aug 2265



### Specifications

Builder: Isma'iliyah Yards  
(Sigma Draconis II)

Mass, Fully Loaded: 5,300 metric tons

Total Length: 105.2 meters

Hull Length: 32.1 meters

Hull Diameter: 32.1 meters

Bell Diameter: 29.1 meters

Crew: 70 [14 officers, 56 spacecrew]

Propulsion:

Rahman-4 Hyperdrive [GDE]

Rafik Mark 1:

Shahnamah Fusion Torch [1.25g, 3.95 TW]

Tactical  $\Delta V$ : 16.56 km/sec

Transit  $\Delta V$ : 146.25 km/sec

Rafik Mark 2:

Diriyah-2 Fusion Torch [0.75g, 1.954 TW]

Tactical  $\Delta V$ : 18.28 km/sec

Transit  $\Delta V$ : 121.25 km/sec

Power Systems:

2 Gursel Reactors [187.5 MW]

15 Ibn Hazm Heatsinks [510 GJ]

11 Hakam Batteries [22 GJ]

450 m<sup>2</sup> of Radiators [531.25 MW]

Armament:

6 Bayar-3 3.48 meter Lasers (1200nm)

2 Ankara-2-4 Coilguns

2 Chagri Arslan Tri-Missile Launchers

4 Mount Hira Zone Defence Laser System

Equipment:s

2 Gunboat Docks

Maximum Armor Thickness: 175mm RHA

Sensors:

Singham ESY-42 Radar

Proehl K-96-R Lidar

### Development and Class Notes

Worried by the sudden increase in the numbers and sophistication of Olympian vessels after their 2245 merger with the Nations Fédérée Marine D'Étoile, the Medinan Star Force accelerated design work on a 5,300 ton spacecraft modeled on the *Kennet*. Considerations of cost and manufacturing difficulties precluded the deployment of lasers akin to the FN's XPL series, while Medinan doctrines drove further design divergences between the *Kennet* and the *al-Rafik*. Nonetheless, the *al-Rafik Mark 1* fighter<sup>1</sup> is widely considered one of the finest combatants currently in service, displaying an exemplary blend of firepower, protection, and maneuverability. The Ankara coilguns and Chagri Arslan missile launchers provide maneuver constraint, while the

*al-Rafik's* spherical design allows the maneuverability necessary for medium-range oblique engagement strategies against Olympia's more devastating but shorter-ranged 2400nm laser armament.

Mark 1 production continued until 2255, when Shahnamah torch production was redirected to construction of the new *Ataturk*. Mark 2 used the much cheaper, albeit less efficient and less powerful, Diriyah-2 torch. Mark 1 tends to serve with main fleet units in concert with *Ataturks*, while Mark 2 tends to see service in escort roles, and is expected to take on the commerce raider role in wartime.

Both series can carry gunboats or supply pods, the latter of particular importance for extending endurance in raiding and patrol missions. Carrying a pair of *Musharrif* gunboats for additional firepower is rare but not completely unheard of when hostilities are expected, and has occasionally been seen in semiannual fleet maneuvers.

<sup>1</sup> Spacecraft in Frigate size range are called Fighters by the MSF.

