

## Baynunah class

**Date Posted:** 05-Dec-2019

**Publication:** Jane's Fighting Ships

**(FSGHM)**

**IN SERVICE: 6**

**UPDATED**

### Fleetlist

ship names	No	Builders	Laid down	Launched	Commissioned
Baynunah	P 171	/ CMN , Cherbourg	8 Sep 200 5	25 Jun 200 9	2012
Al Hesen	P 172	/ Abu Dhabi Shipbuilding , Abu Dhabi	5 Jul 200 6	22 Jul 2010	May 2013
Al Dhafra	P 173	/ Abu Dhabi Shipbuilding , Abu Dhabi	8 Jun 200 7	4 Apr 2011	24 Dec 2013
Mezyad	P 174	/ Abu Dhabi Shipbuilding , Abu Dhabi	13 Dec 2 007	15 Feb 201 2	10 May 2015
Al Jahili	P 175	/ Abu Dhabi Shipbuilding , Abu Dhabi	13 Oct 20 08	13 Mar 201 3	2016
Al Hili	P 176	/ Abu Dhabi Shipbuilding , Abu Dhabi	27 Sep 20 09	6 Feb 2014	20 Feb 2017
<b>Baynunah</b>					
<b>Dimensions and weights</b>					
<b>Displacement</b>					
standard:	843 tonnes (829.7 (uk) t) (929.2 t (short)) (843000 kg)				
full load:	930 tonnes (915.3 (uk) t) (1025.1 t (short)) (930000 kg)				

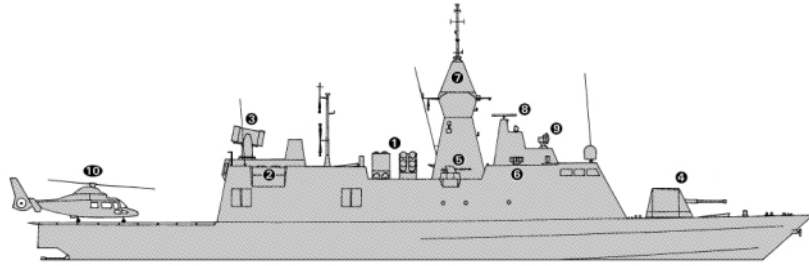
<b>Length</b>	
overall:	71.3 m (233.9 ft)
<b>Beam</b>	
overall:	11 m (36.1 ft)
<b>Draught</b>	
hull:	2.8 m (9.2 ft)
<b>Performance</b>	
<b>Speed</b>	
top speed:	32 kt (59.3 km/h) (36.8 mph)
<b>Range</b>	
standard:	2400 n miles (4444.8 km) (2761.9 miles) at 15 kt (27.8 km/h) (17.3 mph)
<b>Capacity</b>	
<b>Complement</b>	
military	
crew:	55
total capacity	
spare berths:	5
<b>Machinery:</b>	CODAD; 4 MTU 16V 595 TE90 diesels; 22,500 hp (16.8 MW); 3 (2-112 SII; 1-125 BII) Kamewa waterjets
<b>Firepower</b>	

<b>Missiles:</b>	<p><b>SSM:</b> 8 MBDA Exocet MM40 Block 3 (2 quad) [Ref 1]; inertial/GPS guidance and active radar terminal homing to 180 km (97 n miles) at Mach 0.9; warhead 165 kg; sea-skimmer.</p> <p><b>SAM:</b> Raytheon 8-cell Mk 56 launcher [Ref 2]; Raytheon RIM-162E ESSM Block I; inertial guidance with mid-course update and semi-active radar terminal homing to 55 km (29.7 n miles) at Mach 3.6; warhead 39 kg. 1 Raytheon Mk 49 21-cell launcher [Ref 3]; 21 Raytheon RIM-116C RAM Block II; passive IR/anti-radiation homing to 14.4 km (7.8 n miles) (est.); warhead 9.3 kg.</p>
<b>Guns:</b>	1 Oto Melara 76 mm/62 Super Rapid [Ref 4]; 120 rds/min to 16 km (8.6 n miles) weight of shell 6 kg. 2 Rheinmetall MLG 27 mm [Ref 5].
<b>Physical countermeasures:</b>	<b>Decoys:</b> 2 Rheinmetall MASS-2L launchers [Ref 6].
<b>Electronic countermeasures:</b>	<b>RESM:</b> Elettronica. SEAL EW suite. <b>CESM:</b> DRS Z S 405.
<b>Radars:</b>	<b>Air/surface search:</b> Saab Sea Giraffe AMB [Ref 7]; G/H-band. <b>Surface search:</b> Terma Scanter 2001 [Ref 8]; I-band. <b>Fire control:</b> 1 Alenia Marconi NA-25/XM [Ref 9]; I-band.
<b>Sonars:</b>	L-3 ELAC Nautik NDS 3070 mine avoidance sonar.
<b>Combat data systems:</b>	Alenia Marconi Systems IPN-S. Link 11 and Link Y Mk 2.
<b>Electro-optic systems:</b>	Sagem EOMS tracker and director.
<b>Helicopters:</b>	1 AS565 Panther [Ref 10].

**Programmes:** Project Baynunah succeeded Project LEWA 1 for the procurement of patrol boats and is a joint venture between Abu Dhabi Shipbuilding (ADSB) (prime contractor) and CMN of France. Systems integration is being undertaken by Abu Dhabi Systems Integration, a joint venture between ADSB and Selex Sistemi Integrati. Contract signed 28 December 2003 for four ships and option for a further two exercised in 2005.

**Structure:** Based on a CMN BR67 design, it has a steel hull and aluminium superstructure.

**Operational:** *Baynunah* began sea trials in January 2010 and sailed for the UAE in October 2011 to complete combat system integration activities at ADSB.



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