

ENA Habitat

238 Man / DP2 / FIFI1 / 4 Point / 100MT Crane / Accommodation/Work Vessel



ENA Habitat

238 Berths in en-suite cabins
DPS-2 Positioning System
Built 2015
100MT, Man Riding Main Crane
5MT, Man Riding Auxiliary Crane
FIFI-1
840 m ² Deck Space
Helideck
4 Point Mooring System
8,852kW (10,300bhp) installed power
SPS Compliant
Fitted with Cinema, Offices, Recreation etc

For further information, please contact us:
 Email: marketing@easternnavigation.com
 Telephone: +65 6268 3222

ENA Habitat | 238 Man / DP2 / FIF1 / 4 Point / 100MT Crane / Accommodation/Work Vessel

Principal Particulars

Flag	Singapore
Built	2015
Length Overall	85.00 m
Length B.P.	76.40 m
Beam Overall	23.00 m
Depth Moulded	8.00 m
Design Draft	6.00 m
Draft Scantling	6.20 m
Deadweight	About 3,800 tons
Speed	11 knots @ 100% MCR
Helideck	Suitable for Sikorsky S92N Helicopters, compliant with CAP437

Classification

ABS +A1(E) Offshore Support Vessel, FF1, SPS, +AMS, +ACCU, +DPS-2, BWT, CRC, GP, MLC-ACCOM, UWILD

Capacities

Fuel Oil	1,800 m3
Potable Water	1,200 m3
WB/DW	350 m3 / 1,850 m3
Lube/Hyd storage	34 m3 / 17 m3
Sewage	122 m3
Bilge	20 m3
Deck Cargo Area	About 840 m3
Deck Cargo	About 1,000 tons
Cargo Deck Load	7.5 tons/m2

Discharging Rates

Fresh Water	1 x 150 m3/hr @ 75m head
Fuel Oil	1 x 150 m3/hr @ 75m head
Drill Water	2 x 150 m3/hr @ 75m head
Flow Meter	Provided for FO and FW

Accommodation

1-Berth Cabins	10
2-Berth Cabins	14
4-Berth Cabins	50
Berths - Total	238
Hospital	1
Recreation/Movie Room	3
Office	3
Conference Room	1
Gym	1
Chiller/Freezer	19 m2 / 15 /m2
Provisions	53 m2
Water Maker	2 x 60 MT/day R.O. type
Incinerator	1 x 180,000 Kcal/hr

Life Saving / Rescue Equipment / Pollution Control

Life Boat	2 x 120 men, SOLAS certified c/w Davit
Fast Rescue Boat	60 hp FRC
Life Raft & Davit	8 x 25 men, conforming to SOLAS convention
Firefighting	FIFI 1
Foam Tank	17 m3
Oil dispersant spray boom at mid-ship on both sides, 6 m spray boom with 6 spray nozzles. Foam fire-fighting system for helideck, deluge system, sprinkler system, fixed CO2 system	

Machinery & Propulsion Equipment

Main Engines	2 x 2,206 kW (3,000 bhp each) Niigata, with PTO for FIFI pumps
Generators	6 x 740 kW diesel generators @ 440V, 3 Phase, 60Hz 1 x 335 kW emergency diesel generator, with harbour function
Propellers	2 x Azimuth Stern Drive, CPP
Bow Thruster	2 x Transverse Tunnel Thruster, 950 kW, approx. 15MT, CPP 1 x Retractable Thruster, 800 kW, approx. 16MT
Main Crane	1 x 100MT Huisman Crane Main Hoist: - 100MT @ 19m, - 50MT @ 43m Auxiliary Hoist: 15MT @ 47m Boom Length: 46.5m API-2C, ABS Class, Man-Riding
Auxiliary Crane	1 x 5MT @ 14m, fixed boom, API-2C, Man-Riding

Spread Mooring Equipment

Mooring Winch	4 Sets Drum Pull (1 st Layer): - 50MT @ 12 m/min - 12MT @ 30 m/min Drum Capacity: - 1,500m x 42mm Brake Holding: - 120MT (static) c/w Length and Tension meters
Anchor	4 + 1 Delta Flipper anchors, 7MT
Associated Equipment	Anchor Wire Fairleads, Sheaves, Anchor Racks
CCTV	All Winches and Deck

Diving and Specialised Operations

Moon Pool	5.4 x 5.4 meters (optional)
Personnel access	Open stern with barrier system

ENA Habitat 238 Man / DP2 / FIFI1 / 4 Point / 100MT Crane / Accommodation/Work Vessel

Normal Mooring Equipment

Anchor Windlass	2 x 12MT @ 9m/min for chain - 6MT @ 15 m/min (Low speed) - 2.5 MT@ 30 m/min (High) for mooring line
Anchor	2 x AC-14HHP stockless anchors stowed in anchor pockets, 3,060 kg each
Chain Cable	Total 550 m x 55 mm diameter grade U3 stud-link chain
Mooring Lines	4 x 80 m mooring rope, MBL 29MT
Emergency Towing Line	Complies with MSC.256 (84)
Tugger Winch	200x 10MT @ 12 m/min, 200 m x 26 mm diameter wire Brake Holding - 15 MT (static)
Capstan	2 x 5MT @ 15 m/min, variable speed control

Dynamic Positioning System

Type	Kongsberg, IMCO Class DP2 with SKP notation
Reference Systems	1 x Radius 1,000D 1 x Cyscan MK4 2 x DGPS 3 x Wind Anemometer
Control	2 x DP Workstations at aft bridge 1 x Independent Joystick

Navigation and Communication Equipment

Compass, Autopilot, 3 x Gyrocompass, 2 x Radars,
Echo sounder, Doppler speed log, Engine telegraphs,
Automatic Identification System, Weather fax
receiver, Voyage data recorder, GPS receiver,
BNWAS, ECDIS, MF/HF Radio, MF/HF Watch receiver,
3 fixed VHF, 4 portable VHF, Navtex receiver,
Inmarsat C-SES satellite system, SSAS, LRIT,
Inmarsat system, EPIRB, GMDSS, SART, Marine TV
System, Integrated telephone/PA system