



## MAIN SPECIFICATIONS/ ESPECIFICACIONES PRINCIPALES

### GENERAL PARTICULARS

Year Built	2011
Flag	Singapore
Class	ABS
Notation	A1 (E) Offshore Support Vessel, Fire Fighting Class 1, AMS * DPS-2

### PRINCIPAL DIMENSIONS

Length Overall	69.90 m
Breadth Moulded	16.60 m
Depth Moulded	7.00 m
Design Draft	5.80 m
Gross Tonnage	2,501 T
Net Tonnage	750 T
Deadweight	3,010.46 T

### PERFORMANCE & CONSUMPTION

Performance Speed	12.5 Knots (90% MCR)
Type of Fuel	MGO
Deck Loading	5.0 Ton/m <sup>2</sup>
Clear Deck Area	~ 550 m <sup>2</sup>

### GMDSS SYSTEM AND NAVIGATION EQUIPMENT

GMDSS for Area 3 comprising

SSB Radio	1 unit
Inmarsat C	1 unit
VHF Radio	2 units
Radar	2 units
Echo Sounder	1 unit
Gyro Compass	3 units
Autopilot	1 unit
Magnetic Compass	1 unit
Speed Log	1 unit
Navtex Receiver	1 unit
SART	2 units
GPS	1 unit
AIS	1 unit
Satellite EPIRB	1 unit
Weather Fax Receiver	1 unit
Inmarsat Fleetbroadband	1 unit

Vessel also fitted with PA system, Sound Powered Telephone System and Integrated Internal Communication System

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### MACHINERY

Main Engine	2 x 2,575 BHP@ 1,600 rpm, Caterpillar 3561DITA
Reduction Gear	2 x Reinjtes LAF 873
Main Generator	3 x 590kW, Caterpillar 3412C, 440V/3ph/60Hz
Shaft Generator	2 x 1,070kW Shaft Driven
Emergency Generator	1 x 95kW, Caterpillar C4.4DIT
Propeller	2 x Berg CP Type BCP 690
Rudders	2 x High Lift Flap
Bow Thruster	2 x 8T, Kawasaki KT-72B3 CPP
Stern Thruster	1 x 8T, Kawasaki KT-72B3 CPP

### DYNAMIC POSITIONING SYSTEM

ABS DPS2 c/w Independent Joystick

### DECK MACHINERY

Combined Windlass	2 x 13 T @ 12 m/min, for 42 mm Dia. U3 Chain
Anchor	2 x high-hold type, stowed in Anchor pocket each of 2280kg
Capstan	2x5 Tons @ 15 m/min
Tugger Winch	2 x 10 Tons @ 12 m/min
Provision Crane	1 x 2 T @ 12 m outreach, Electro-hyd telescopic

### ACCOMMODATION

4x1 man cabin =	4 men
6x2 men cabin =	12 men
11 x 4 men cabin =	44 men
<b>Total</b>	<b>60 men</b>
Hospital	1 man

### FIRE FIGHTING/ EXTINGUISHING SYSTEM

Meet FiFi Class 1

External (FFS):-

External FIFI-1 c/w water spray

Fire Pumps 2 x 1,700 m /hr @ 12 bar,

Fire Monitors 2 x 1,200 m<sup>3</sup>/hr

Internal:-

Emergency Fire Pump

CO<sub>2</sub> System in Engine Rm.

Water Mist System in Engine RM. and Paint Store.

### LIFE SAVING/ RESCUE EQUIPMENT

SOLAS Compliant

### MISCELLANEOUS/ OTHERS

Fresh Water Maker	5 Tons/day, Reverse Osmosis
Sewage Treatment Plant	1 x 50 Pax
Oily Water Separator	1 x Separator, 1 m <sup>3</sup> /hr @ 15 ppm

TANK	CAPACITY	DISCHARGE RATES
Fuel Oil	760 m <sup>3</sup>	1 x 100 m <sup>3</sup> /hr @ 80 m head
Fresh Water	515 m <sup>3</sup>	1 x 100 m <sup>3</sup> /hr @ 80 m head
D.W./W.B.	1,195 m <sup>3</sup>	1 x 100 m <sup>3</sup> /hr @ 80 m head
Mud	445 m <sup>3</sup>	2 x 70 m <sup>3</sup> /hr @ 200 m head
Brine	150 m <sup>3</sup>	1 x 70 m <sup>3</sup> /hr @ 82 m head
Dry Bulk Cement	245 m <sup>3</sup>	
Cement Compressor	2 x 20 m <sup>3</sup> /hr @ 5.6 kg/cm <sup>2</sup> (max.7bar)	

