



**Type:**  
DP3 / Multirole / Flotel

**Class:**  
Rina

**Flag:**  
TBD

This high performance offshore Accommodation Support Vessel is ideally suited for intensive maintenance including subsea, repair and construction campaigns. Vessel offers a 850 m<sup>2</sup> flat upper deck, 1 X 100 MT Crane and 1 x 225 MT Crane (optional).

Length: 92 m x Breadth: 22.00 m x Depth: 6.95 m

Diesel electric propulsion system

Deck area 850 m<sup>2</sup>

Helideck: 12.8 T D Value - 21 M Suitable Upto Sikorsky S 92

Accommodation for 299 persons.

### General Description

The vessel completely redesigned and converted to a Offshore Multi Support vessel.

The vessel certified with SPS to accommodate 299 Persons

Propulsion	Diesel electric propulsion system
Moon Pool	4.9x4.8 sqr mtrs. (Presently Closed)
Helideck	<b>12.8 T D Value -21 M Suitable upto Sikorsky S92</b>
Wheel house	2 Wheel house Fwd Wheel House for Navigation

### Principal Particulars

Registry	TBD
Call Sign	TBD
Official No.	TBD
Year Built	2010 RB
Class	RINA
Service Notation	Special Purpose Ship/ fire fighting ship 2; Water Spraying/ DYNAPOS AM/ AT RS (DP 3)
Type	Multi Support Vessel
Class No.	TBD
IMO No.	TBD
Hull No.	TBD
Flag	TBD
Ship builder	VEROLME HEUSDEN BV
Ship yard	ZHOUSHAN, China Colombo, Srilanka

### Performance

Maximum speed	9 Knots Wpx
Economical speed	7Knots
Average fuel consumption	In port approx 2.7 Cu mtr
Type of fuel	Marine Gas oil
At Sea	14 Mt in DP mode estimated
At Sea Navigation	13 Mt at Sea Speed

### Deck Capacities

Deck Strength	10 Ton / Sq mtrs
Clear Deck Area*	850sqr mtrs
Fuel Oil (98 %)	544.MT
Fresh Water	506.4MT
Ballast/Drill Water*	342.7MT
Lub oil	20.67MT
Dirty Oil tank	40 Cu mtr

### Propulsion System

Propulsion type	2 x VSP X 2000 Kw each,
Tunnel Thruster	2 x Brunvoll, 1100 Kw each
Azimuth Thruster	2 x Brunvoll 850 Kw each
Engine	3 x 1290 Kw each Cummin
Engine	6x1290 KW- 7740 KW MAK
Step down Transformer	2x2500 KVA ( 3KV to 380 V ) , 50 Hz
Voltages available	3KV, 380, 220, 110 & 24 V / 50

### Deck Equipment

Windlass	2 x Electro Hydraulic
Anchor Chain	Dia 54 mm, Load - 139 Kn.
Prov Crane	1 x 2 MT SWL, Electro hydraulic
Deck Crane	1x 100 Tons at 5 Mtrs, 15.6 M / Min 50 ton at 9 mtrs, 15 ton at 13 mtrs 10 ton at 17 mtrs, 8 ton at 21 mtrs 6 ton at 25 mtrs 1 x 225 MT Crane Maker Tech (optional)
4 point Mooring Winch	2 x Double Drum Winches x 1200 mtrs x 38mm
Anchor	4x Anchors 3 Tons

### Dimensions

Length Overall	95.80 mtrs.
Length BP	89.14 mtrs.
Depth Moulded	6.95 mtrs.
Draft *	6.6 mtrs.
GRT*	5308 mt
NRT*	1707 mt
Breadth Mid	22.00 mtrs
Displacement *	6037 MT
SPS+ Crew	299

### GMDSS / Communication

MMSI No.	TBD
Sat C Id	TBD
Mini C Id	TBD
SAT Telephone	FLEET 77 BROADBAND SAILOR
Mini M	Mini M - Fax / Phone - TT 3617 A
SVDR	Broadgate VER 4000
VHF DSC	Sailor VHF DSC Sailor HC 4500
EPIRB	2(406 ghz)
SART	2
VHF Radio	5
Portable VHF Radio	6
Navtex Receiver	SNX 3
Radar	Sperry Marine- Vision Master T Kodens MRD 105-P SKIPPER- ED 165
Echo Sounder	Sperry Marine-NAVIGAT X MK 1
Gyrocompass	Anthea
Speed Log	1
Magnetic Compass	SAMYUNG ENL SI-30
AIS	Sevsat
VSAT	Data speed 128 Kbps upward, 2 Business Tel lines 4 crew calling lines Sevsat
TVRO	

### Telescopic Gangway 12 Mtr Pedestal

Height	15 mtrs from water level
Maximum extended	42,0m
Middle position	34,0m
Retracted (Min. length)	26,0m
Normal operating area	34,0m +/-5,5m
Pre-warning area	34,0m +/-5,5m- +/-6,5m
Emergency area	34,0m +/-6,5m - +/-7,5m
Emergency Lift Off	34,0m +/-7,5m
Slewing Capacity	300 degrees
Design max. lift angle	+14,0 degrees
Design lower angle	- 14,0 degrees
Normal safe operation	+/- 5 degrees

### Accommodations

Berths	299 persons
Hospital	1 - medic - 1
One men cabin	1x4=4
Two men cabin	2x12=24
Three men cabin	3x1 = 3
Four men cabin	4x67=268
(All Cabins/Hospital/Gym with attached Toilet & wash room)	
Recreation room	1 Nos (40 persons)
Smoke room	4
Office	3
Gymnasium	1
Galley	1
Air conditioning with additional backup	
All accommodation spaces are air conditioned to the following requirements	
Outside temperature	46 deg C
Inside temperature	20 deg C
Humidity outside	80 %
Inside humidity	50 %

### DP 3 Dynamic Positioning System

DP system	KPOS 21 (AFT BRIDGE) Kongsberg DP 11 BACKUP (FWD BRIDGE)
CJOY	C JOY OPERATOR TERMINAL
GYRO 4 Nos	SPERRY MARINE NAVIGATE-X MK 1
TYPE	4914CA MERCURY FREE/OPTICAL SENSOR
<b>REFERENCE</b>	<b>8 Nos</b>
HIPAP	S500 (1)
TAUT WIRE	2xLKTW BANDA MK 15 (2)
FANBEAM	MDL Fan beam (1)
TELESCOPIC GANGWAY	3 AXIS REFERENCE SENSORS INCORPORATED (1)
Radius	KONGSBERG 2 X RADIUS 1000 (1)
DGPS	2 X KONGSBERG SEATEX DPS (2)

### HVAC

A/C System	4 x Carrier 30 HXA 171-3
Ref unit	2 X BITZER K813H3
COOL ROOM EVAPO	BR21
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MAIN DECK AHU	30-48-W1208-016-006A
D-DECK PORT	16-36-W1208-016-006A
D-DECK STBD	16-36-W1208-016-006A
C-DECK	20-48-W1208-016-006A
B-DECK	30-48-W1208-016-006A
BRIDGE DECK	38-58-W1206-016-006A
FCU	APW012
FCU	APW016
FCU	APW020

### Fire Monitor (With Jet / Spray Nozzle)

Qty	3 sets
Type	Electric remote control single barrel monitor with adjustable scattering nozzle
Model	SS300EL/F
Rated capacity	7200m <sup>3</sup> /h
Throw head	190m
Height	80m
Inlet pressure	1.2Mpa
Operating method	Motor driven (380VAC 3ph 50Hz) with local manual operated
Rotation	+175°/-175° (with limit switch)
Elevation	-45°/+75° (with limit switch)
Protection class	IP65
Insulation class	F

### Wireless Remote Controller

Manufacturer	OMNEX
Qty	1 set
Model	FST716
Installation	Monitor control cabinet
Protection class	IP56
Function:	

### PUMP CONTROL

#### MANUFACTURE NANJING SHUN SHING

Qty	2 sets
Installation	By pump
Protection class	IP44

Starboard/larboard by pump function :

1. Clutch on switch( with light indicator)
2. Open/Close of all electric butterfly valve (inlet valve, outlet valve, by-path and outboard valve) with light indicator
3. Pump running metre
4. Change-over for local control/remote control with light indicator
5. The by-path valve and main valve have order control function after startup of pump
6. Interlock function between gearbox and seawater discharge valve
7. Open/close switch of proportioner seawater inlet valve with light indicator

### Fire Pump

Qty	3 sets
Type	Single stage double suction, bottom suction top discharge
Model	XCCXB400-350-620
Capacity	3 x 2400 m <sup>3</sup> /h
Speed	1800 r/min
Total head	200 m
Power	3 x 1100 KW

**MONITOR CONTROL CABINET  
MANUFACTURE NANJING SHUN SHING**

Qty 1 set

This cabinet include wireless remote control receiver, PLC device, air switch, direct current power and other required electric components.

Protection class IP44

Location Aft Wheel house:

Qty 1 set

Installation In the wheelhouse

Electron motherboard:

Function of control panel in the wheelhouse:

1. The action of monitors
2. Chang-over switch for water jet/Spray
3. Three position switch for jet/curtain change-over
4. Clutch on/off and indicator
5. Open/Close switch and indicator of pump outboard discharge valve
6. Open/Close switch and indicator of proportioner seawater inlet valve
7. Automatically clutch-off indicator when the engine reach 80% load
8. Alarm buzzer
9. Alarm answer button
10. Dimmer button
11. Chang-over switch for local/portable control
12. light indicator for by-pump and wheelhouse control
13. Indicator light test button

