



Petroleum Marine Services Co.

# PMS BELAYIM DPII

DP- II Anchor Handling Supply Vessel



[www.pmsoffshore.com](http://www.pmsoffshore.com)





### ● PRINCIPAL PARTICULARS

Year of Built : 2014  
 Flag : Egypt  
 Length Overall : 60.000M  
 Length BP : 55.593M  
 Breath Moulded : 15.800M  
 Depth Moulded : 6.50M  
 Draft Moulded : 5.20M  
 Deadweight : 1475 t (approx.)  
 Gross Tonnage : 1678 t (approx.)  
 Trial Speed : 13.0 knots (approx.)  
 Class Notation : ABS + A1 (E), OFFSHORE SUPPORT  
 VESSEL (AH, TOW, SUPPLY, FFV 1,  
 OSR-C, SPS) + AMS, + DPS-2

### ● MACHINERY

Main engine : 2X3000PS @ 800RPM, Nigata  
 6MG28AH  
 Bow thruster : 2 x 10.0 T controllable pitch type  
 Stern thruster : 1 x 8.0 T  
 Main generator : 3 x 450kw diesel driven, Caterpillar C18  
 Shaft generator : 2 x 1000kW shaft driven, 415V/3pH/50Hz  
 Emergency diesel generator : 1 x 136kW Cummins  
 6CTA8.3-D(M)

### ● CARGO CAPACITY

Deck Cargo : 500T  
 Clear Deck Area: 400M<sup>2</sup>  
 Deck Loading : 7.0t/M<sup>2</sup>  
 Fuel oil : ~585.0M<sup>3</sup>  
 Fresh water : ~375.0M<sup>3</sup>  
 Drill water /Water Ballast : ~650.0M<sup>3</sup>  
 Mud : ~355.0M<sup>3</sup>  
 Cement Tanks : ~170.00M<sup>3</sup>

### ● DISCHARGE RATES

Fuel oil : 2 x 150M<sup>3</sup>/hr @ 75M head  
 Fresh water : 1 x 125M<sup>3</sup>/hr @ 75M head  
 Drill water : 1 x 100M<sup>3</sup>/hr @ 75M head  
 Mud : 2 x 75M<sup>3</sup>/hr @ 75M head

## ● SUPPLY & DRAINAGE PLANT

Freshwater hydrophore plant head	: 1 x 4M <sup>3</sup> /hr @ 35M
Seawater hydrophore plant head	: 1 x 4M <sup>3</sup> /hr @ 35M
Freshwater maker type of 5 t/day	: 1 x reverse osmosis
Sewage holding & treatment system	: for 48 persons
Oily bilge water separator oil content less than 15 ppm	: 1 x 1.0M <sup>3</sup> /hr with
Central water heating system tank with suitable capacity	: 1 set c/w pressure

## ● EXTERNAL FIRE FIGHTING SYSTEM

External FiFi-1 c/w water spray	
Fire monitor 2x 1200M <sup>3</sup> /hr @ 12 bar	
Fire pumps 2 x 1400M <sup>3</sup> /hr @ 110 MLC	
2 x Independent sea chest	
Foam tank capacity 13M <sup>3</sup>	
Dispersant capacity 13M <sup>3</sup>	

## ● INTERNAL FIRE FIGHTING SYSTEM

CO2 system in engine room	
Fire/smoke detection and alarm system	
Portable Fire Extinguishers	
BA recharging Compressor	
Fire Blankets	: 2 sets
Fire Axe	: 1 set
Fireman's Cutfits	: 6 sets

## ● DYNAMIC POSITIONING SYSTEM

Meets the DPS-2 class notation of ABS to be configured or incorporated with:

- 3 x position reference systems
- 3 x wind sensors
- 2 x vertical reference system
- 3 x gyro compasses
- 2 x UPS
- 1 x control station with two (2) computer system
- 1 x Independent Joystick Control System

## ● NAVIGATION EQUIPMENT

X-band radar range 96NM	: 1 set
S-band radar range 96NM	: 1 set
Eco sounder	: 1 set
GPS plotter	: 1 set
Gyro compass	: 3 sets
Magnetic compass	: 1 set
Autopilot & steering gear	: 1 set
Weather facsimile receiver	: 1 set
Doppler speed log	: 1 set
AIS	: 1 set
MF/HF Transceiver (GMDSS)	: 1 set
Satellite EPIRB (GMDSS)	: 1 set
2-way portable VHF radios (GMDSS)	: 5 sets
SART	: 2 sets
Navtex Receiver (GMDSS)	: 1 set
Anemometer	: 2 sets

## ● DECK/AHL EQUIPMENT

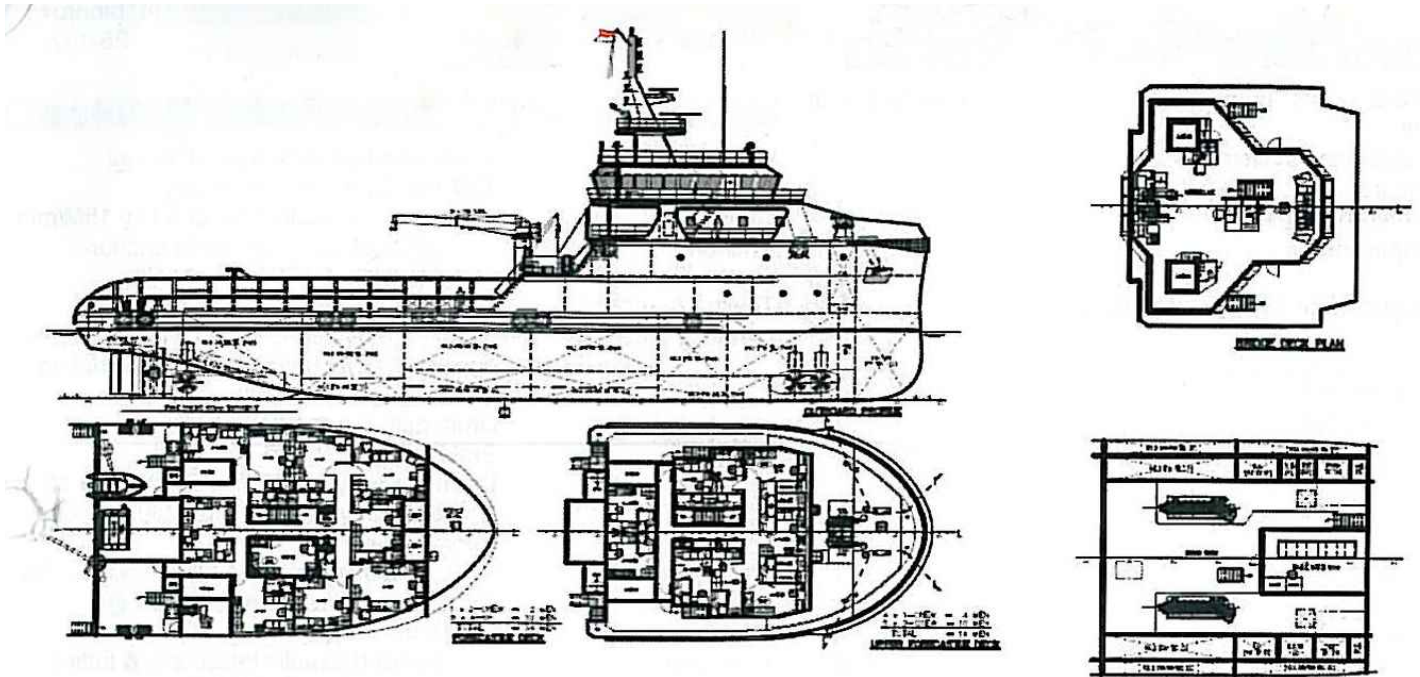
Windlass	: 1 x electro hydraulic type of 10 t @ 12 M/min for 40mm dia.chain
Capstan	: 2 x electro hydraulic type of 5 t @ 15 M/min
Anchor	: 2 x high-hold type, stowed in anchor-pockets each of 1305kg
Tugger winch	: 2 x electro-hydraulic type of 10 t @ 15M/min
Deck crane	: 1 x electro-hydraulic telescopic & luffing deck crane of 3 t @ 12.0M

## ● LIFE SAVING EQUIPMENT

Life raft	: 6 sets for 25 persons
Life buoy-ring	: 8 sets
Lifejackets	: 60 sets
EEBD	: 6 + 1 sets
First aid kit	: 1 set
FRP rescue boat c/w davit	: 1 set for 6 persons
Immersion suits	: 52 units

## ● ACCOMMODATION

4 x 1 man cabin	: 4 men
6 x 2 men cabin	: 12 men
8 x 4 men cabin	: 32 men
Total	: 48 men
1 x hospital	: 1 man
Chiller + Freezer	: 15 m <sup>3</sup> (approx..)
Provision Store	: 25 days



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