

M.V. MMPL MERLIN

5000 BHP DP2 Platform Supply Vessel

Issued: July 2026, Rev0

PRINCIPAL PARTICULARS

Year Built	2010
Builder	Fujian Mawei Shipbuilding Ltd.
Flag	Panama
Class	ABS /  AI, Fire Fighting Vessel Class 1, Offshore Support Vessel,  AMS,  DPS-2, RW, UWILD
IMO	9563794
Call Sign	HPCO
Official No.	42099-10-C
GRT/NRT	2369 / 710

DIMENSION

Length Overall	70 m
Length BP	61.60 m
Breadth Moulded	16.80 m
Depth Moulded	7.50 m
Draft	6.3 m
Lightship	2016.5 MT
Deadweight	3024.7 MT
Displacement	5041 MT
Deck Cargo	700 MT
Clear Deck Area	600 m ²
Deck Strength	5T/m ²

SPEED

Max Speed	12.00 knots
Eco Speed	10.00 knots

MACHINERY

Main Engines	2 x 1838 kW @750 RPM (5000 BHP) Niigata 6L28HX
Aux. Generators	1 x 410 kW Cummins KTA19-D(m1) 2x 330 kW Alternator Cummins KTA38-D(M1) 415V/3ph/60Hz
Emergency Generator	1 x 122 kW 415V/3ph/60Hz Diesel driven Cummins 6BTS.9 -D(M)
Propulsion	2 x Fixed Pitch Well Mounted 3b Azimuths Niigata
Bow Thruster	2 x CPP Tunnel Thruster/17 Thrust each 1 x 575 kW / 1 x 610 kW Brunvoll

DYNAMIC POSITIONING SYSTEM

DP Class	DP-2
DP Control System	Kongsberg Marine K-Pos 21 (Duplex) K-Pos 21 + C-Joy Independent Joystick Sensors: 3 x Gyro Compass (Tokyo Kei TG800 / Simrad GC80) 3 x Wind Sensor (Gill Wind Observer / Walker P249) 2 x MRU (Seatex MRUD D)
Position Reference System	2 x Veripos LD900 DGPS 1 x SpotTrack (Kongsberg) 1 x Fanbeam
K-Pos 21	Duplex Kongsberg Marine K-Pos 21 DP Control System K-Pos 21 + C-Joy Independent Joystick

ACCOMMODATION (Fully Air-Conditioned)

One-Man Cabin	5
Two-Men Cabin	4
Four-Men Cabin	6
Total	37 berths
Hospital	1 no. with 1 bed

Specifications are provided in good faith, subject to change, and without liability for errors or omissions.

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DECK & AUX EQUIPMENT

Anchor	2 x 1850kgs Stockless Bower or 1980 Kgs HHP
Chain	Length 935m x 46mm U2 stud link chains
Anchor Windlass	1 x electrohydraulic with 2 cable lifter & 2 warping heads 13 MT @ 18m/min for 46mm DIA chains
Tugger Winch	1 x 6 T electroHydraulic
Capstan	2 x 10 MT @ 25m/min electrohydraulic
Deck Crane	2.2T @ 12.2m radius

CAPACITIES

Fuel Oil	1297 m ³
Fresh Water	628 m ³
Drill Water	362 m ³
Liquid Mud	455 m ³
Bulk Cement	192 m ³
Brine	210 m ³
Lube Oil	18 m ³
Dispersant	21 m ³
Foam	20 m ³
Freezer	15 m ³
Chiller	12 m ³

PUMPS

Fuel Oil	1 x 200 m ³ /hr @ 90m head
Fresh Water	1 x 150 m ³ /hr @ 90m Head
Drill Water	1 x 200 m ³ /hr @ 90m head
Liquid Mud	2 x 75 m ³ /hr @ 90m head
Bulk Cement	2 x 30 m ³ /hr @ 80 psi
Brine	1 x 60 m ³ /hr @ 50 m head

FIRE FIGHTING EQUIPMENT

EXTERNAL FIFI	2 x 1500 m ³ /hr@14bar/140 MIC/1800 RPM
Pump	2 x 1200 m ³ /hr@12bar(with remote control) throw height 45m from sea level
Monitors	One Monitor fitted with double barrel for foam discharge
Water Mist System	1 x 77 m ³ Fresh Water Tank
Fireman's Outfit	6 nos.

NAVIGATION & COMMUNICATION EQUIPMENT

GMDSS; Area A1, A2, A3	
Radar	1 x Furuno FAR-2117 X-Band 1 x Furuno FAR-2137S S-Band
Echo Sounder	1 x Furuno FE-700
Magnetic Compass	1 x Cassens & Plath
Gyro Compass	3 x Gyro Compass
Auto pilot	1 x Anchutz PilotStart DD
GPS	1 x NSR NGR-3000
AIS	1 x Furuno FA-150
Speed Log	1 x Furuno DS-80
Inmarsat-C / LRIT	1 x Furuno FELCOM-15
EGC	1 x Furuno FELCOM-15
MF/HF Radio	1 x Furuno FS-2570
VHF Radio	2 x Motorola GM1600 1 x Standard Horizon 1 x ICOM 2 x Furuno FM-8800S VHF DSC Controllers
NAVTEX	1 x Furuno NX-700A
Weather Fax	1 x Furuno FAX-408
EPIRB	1 x McMurdo SMARTFIND E8
SART	2 x McMurdo S4
Portable VHF	3 x McMurdo R2 (GMDSS)
SSAS	1 x Furuno FELCOM-15

LIFE-SAVING APPLIANCES

Fast Rescue Boat	1 x 15-person Jet Propulsion & single point davit with launching and recovery davit
Life Rafts	4 x 20-person / 2 x 6-person
Life Buoys	8 nos. SOLAS Approved
Life Jackets	47 nos. SOLAS Approved
EEBD	13 nos. all for crew
Medical Oxygen	3 Sets + 2 spare cylinder
Search lights	3 x 3000watts
Floodlights	2 x 1000watts

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