

"BERTHA B"

DP2-MPSV



MAIN PARTICULARS

Year of Build:	2016
Builder:	Fujian Mawei Shipbuilding Ltd.
Designer:	Fujian Mawei Shipbuilding Ltd.
Class:	✠A1 ,Offshore Support Vessel(FFV 1, Supply-HNLS), [ⓔ] ,✠AMS , ✠DPS-2,SPS,RW
Propulsion Type:	Conventional Azimuth

DIMENSIONS

Length Overall:	59,6m
Length BP:	56,9m
Beam Moulded:	15,2m
GT/NT:	2146/643
Depth to Main Deck:	06,2m
Design Draft:	04,8m
Max Draft:	05.0m

CAPACITIES

Fuel Oil	523m ³
Fresh Water	370m ³
B.W./D.W.	600 m ³ (BWTS installed)
Dry Bulk	180m ³
Mud/Brine	390m ³ with agitators/ Alfa Laval jet cleaning system.
Foam/Detergent.	23m ³ /23m ³
Cargo Deck Free Area	420m ²
Deck Strength	7t/m ²
Freezer/Chiller	Up to 30 days offshore

MACHINERY

Main Engine:	2x CAT 3516C 1920kW@1600RPM
Propellers:	2x1920kW 360 deg Azimuth Kawasaki Rexpeller KST type CPP, Diameter 2400mm
Bow Thrusters:	2x450kW Tunnier Thrusters Kawasaki KT CPP, Diameter 1450mm, thrust 7,1 ton
Generators:	4x550kW CAT C18@1800RPM SR4B alternator 440V 60Hz
PMS/UMS:	TERASAKI
Shore Power:	1x400A Shore supply Junction receptacle
Emergency Generator:	1x95kW CAT C4.4@1800RPM Leroy Somer alternator 440V 60Hz

SPEED

Speed: 12,5Knots@100%MCR
Type of Fuel: MDO

DISCHARGE RATES

Fuel: 1x150m³/h@80m
Fresh Water: 1x100m³/h@80m
Drill Water: 1x100m³/h@80m
Mud/Brine: 2x75m³/h@75m
Dry Bulk: 2x60T/h

DECK&AUX EQUIPMENT

Anchors: 2x 1440kg,
chain total length 467,
5m U2 grade

Windlass: Staffa (Kawasaki)
5t@12m/min C/W

Tuggers: Staffa (Kawasaki)
2x10t@12m/min

Capstans: 2x5t@15m/min

Provision Crane: 2T radius 2-10m

Deck Crane (optional): SORMEC M460/3S

AUXILIARY EQUIPMENT

Fresh Water Maker: 12 t/d

OWS: Ocean Clean Water

2x Air compressor: 15ppm

STP: 54 men

RADIO & NAVIGATION EQUIPMENT

DP Marine Technologies Bridgemate Cpos DPS2, 3xJoystick, 2xDGPS, 3xVRU, 3xGYRO, Cyscan, Radascan, Moon pole, HIPAP room.

- GMDSS area 3
- 1xInmarsat C and F
- 1xMF/HF-DSC Radio Telephone
- 2xVHF-DSC Radio Telephone
- VHF Portable radios
- 1xNavtex Receiver
- 1xEPIRB, 2xSART
- 1xAutotelephone system
- 1xPowered Telephone system
- 1xPublic Address/Talkback system
- 1xTV&Radio system
- 1xMagnetic Compass
- 1xGyrocompass
- 1xDGPS
- 1xAutopilot SIMRAD
- 2xDaylight display radars S&Xband.
One with automatic Electronic Plotting
- 1xEcho-sounder 1 xDoppler Speedlog
3x Search lights
- 1xAnemometer 1x Barometer 4xclinometer 1xchronometer
- 1xWeather Fax Receiver
- 1xdaylight signaling
- LAN
- 1xAIS
- 1xBNWS

FIRE FIGHTING&LSA EQUIPMENT

FIFI:	Class1
Pump:	2x1700m ³ /h@125m
Monitor:	2x1200m ³ /h@12bar remote control
Dispersant arms:	1x 300m ³ /h FOAM

FIRE EXTINGUISHING SYSTEM

Water mist Engine room
CO2
Fireman Outfits
Galley fixed system

Water Spray curtain: Around the hull and wheel house

ACCOMODATION

Total beds:	50p
Hospital:	2 bed
Offices:	2
Gym	
A/C:	Viking Electronic controlled HVAC for the accomodation
A/C:	Fan coil Viking Electronic controlled in ECR/Messroom
Split Units:	2xViking Electronic controlled in Wheelhouse
Fixed gas detection:	H2s and LEL

LSA

FRC SOLAS 15 persons DIESEL POWERED with DAVIT
6x25 man liferafts
LSA as per SOLAS regulation
MRD
Rescue Areas on both sides



主 甲 板
MAIN DECK PLAN