

MV JM TABAH

Anchor Handling Tug Supply Vessel
72.8 M 10,880 BHP 158.5 MT Bollard Pull DP2



PRINCIPAL PARTICULARS

Length Overall	: 72.80 m
Length W.L	: 63.80 m
Breadth Molded	: 18.20 m
Depth Molded	: 7.50 m
Draft Molded	: 5.50 m
Class	: Bureau Veritas
Flag/Port Registry	: Malaysian/Port Klang
Year Built	: 2015
IMO No.	: 9728590
Hull No.	: 20106
GRT/NRT	: 3232 MT / 949 MT
Place of Built	: Muhibbah Marine Eng.

PERFORMANCE

Performance Speed	: 13 knots
Economical Speed	: 10 knots
Endurance	: Approx 22 days

CARGO CAPACITIES

Deck Strength	: 7mt/m ²
Cargo Deck Area	: Approx. 600 m ²
Fuel Oil Tank	: 870.0 m ³
Drill Water	: 1190.0 m ³
Potable Water	: 480.0 m ³
Liquid Mud / Brine Tank	: 540.0 m ³
Base Oil Tank	: 230.0 m ³
Foam Tank	: 20.00 m ³
Dispersant Tank	: 20.00 m ³
Dry Bulk	: 230.0 m ³ / 4Tanks

DISCHARGE RATES

Fuel Oil Cargo Pump	: 2 x 100 m ³ /Hr @ 90m head
Fresh Water Cargo Pump	: 1 x 100 m ³ /Hr @ 90m head
Drill Water Cargo Pump	: 1 x 100 m ³ /Hr @ 90m head
Liquid Mud/Brine Pump	: 2 x 100 m ³ /Hr @ 90m head
Base Oil Cargo Pump	: 1 x 100 m ³ /Hr @ 90m head

PROPULSION SYSTEM

Main Engines	: 2 x 5440 BHP (10,880 BHP) MAK Marine Propulsion Engines Model: 8M52C
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Bow Thruster	: 2 x 12T
Stern Thrusters	: 2 x 10T
Propellers	: 2 x CPP, Berg BCP 950
Shaft Alternator	: 2 x 1760 kW, 415/3 phase/50Hz Leroy Somer

Auxiliary Generator	: 2 x 450 kW, 415/3 phase/50Hz CAT C18
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Emergency Generator	: 1 x 80 kW, 415/3 phase/50Hz CAT 4.4
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FIRE FIGHTING EQUIPMENT (FIFI Class I)

External	
Fire Pump	: 2 x 1500 m ³ /hr at 1.4 Mpa each @ 1800 rpm
Fire Monitor	: 2 monitors (water & foam, manual and remote control)
Oil Dispersant Boom	: 1 set
Internal	
CO2 system in engine room	: Fitted

TOWING / ANCHOR HANDLING EQUIPMENT

Bollard Pull	: Average 158.5 MT, Max. 166.7 MT
Towing Winch	: 1 x Hydraulic Double Drums(water-fall) configuration Brake holding: 450 Ton @ 1st layer,Brattvaag
Tow Drum Wire Capacity	: 2000 m x 76 mm diameter
Work Drum Capacity	: 2000 m x 76 mm diameter
Stern Roller	: Approx. 2.2m dia x 7m length, SWL 450 tons
Karm Fork	: 2 sets SWL 300 tons
Towing Pins	: 2 sets SWL 300 tons
Storage Reel	: 1 x 7.0 ton @ 0.58 m/min
Local/Remote control	: from wheelhouse

DYNAMIC POSITIONING 2 SYSTEM

Maker	: Kongsberg
Main Switchboard	: Designed as such the power available for position keeping is sufficient to maintain the vessel in position even after worst case failure

Control Mode	: Manual Control - Single ever for each thruster, independent Joystick - Combined joystick, DP Control computers- 2 units
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Sensors	: 1 x (5) Gyro compass
UPS	: 2 sets

DECK EQUIPMENT

Capstan	: 2 x 10T @ 22 m/min
Tugger Winch	: 2 x 17 ton @ 23 m/min
Anchor Windlass	: 11.4T @ 0-16 m/min
Deck Crane	: 5.0T @ 15.0m

ACCOMMODATIONS

Crew + Passengers	: Total 50 berth
All cabin fully air-conditioned	
Walk-in freezer space	: 10.0 m ³
Walk-in Chiller	: 12.0 m ³

RADIO & NAVIGATION EQUIPMENTS

Radiotelephone	: 1 x JRC MF/HF with DSC Terminal
Radar	: 2 x GME marine VHF Radio Telephone
Radar Transponder	: 2 x JRC (X-Band & S-Band) c/w ATA
Echo Sounder	: 2 x ACR (SART)
Gyro Compass	: 1 x JRC Echo Sounder
Magnetic Compass	: 1 x [S] Anschutz Magnetic Triple Gyro-Compass
GMDSS	: 1 x MK2000 (reflector Type)
GMDSS (Portable)	: 2 x JRC (Marine VHF Transceiver)

Speed Log	: 3 x ENTEL (Walkie-Talkie)
Auto Pilot	: 1 x JRC (Doppler Speed Log)
Naxtes Receiver	: 1 x Anschutz Nautopilot Autopilot
GPS Navigator	: 1 x JRC
AIS	: 1 x JRC GPS navigator with repeater
Inmarsat C	: 1 x JRC (LRIT)
Others	: 1 x JRC (SSAS) : 2 x Anemometer : 1 x GME EPIRB

LIFE SAVING & H.S.E. EQUIPMENTS

Search Lights	: 2 x 2000W
Floodlights	: 6 x 1000W & 2 x 500W (Aft Main Deck)
Life Jackets	: 50 + 6 (Cosalt)
Life Rafts	: 6 x 25 man (Fujikura)
Lifebuoys	: 9 sets (Eval)
Firemen Suits	: 6
Scrambling Net	: 2 pcs (2M x 4M)
Rescue Boat	: 1 x 6 men GRP rescue,60HP
Stowing Davit	: As per SOLAS requirement

OTHERS

Reefer points	: 8 x 32 amp. 415V/3/50Hz : 4 x 16 amp. 230V/1/50Hz
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JM TABAH GENERAL ARRANGEMENT PLAN

