

MV JM EHSAN



JASAMERIN
1977

Anchor Handling Tug Supply Vessel
70 M 10,888 BHP 152 MT Bollard Pull DP2



PRINCIPAL PARTICULARS

Length Overall	: 70.0 m
Length Overall	: 68.40 m
Breadth Molded	: 16.00 m
Depth Molded	: 6.5 m
Class	: Bureau Veritas
Flag/Port Registry	: Malaysian/Port Klang
Built	: 2011
GRT / NRT	: 2348 / 704 MT
Place of Built	: Mubhbab Marine Eng
IMO No	: 9603180

PERFORMANCE

Performance Speed	: 13 knots
Economical Speed	: 11 knots
Endurance	: Min 25 days

CARGO CAPACITIES

Deck Strength	: 5.5 mt/m2
Cargo Deck Area	: 500 m2
Fuel Oil Tank	: 838.40 m3
Drill Water	: 625.90 m3
Fresh Water	: 419.80 m3
Foam Tank	: 14.80 m3 each
Liquid Mud/Brine Tank	: 324.30 m3
Cement Tank	: 2 x 2375 CUF and 2 x 1750 CUF
Base Oil Tank	: 216 m3

PULSION SYSTEM

Main Engines	: 2 x 5444 BHP (10,888 BHP) Caterpillar C28012
Auxiliary Generator	: 2 x 450 kW, 415/3 phase/50Hz, CAT C18
Shaft Alternator	: 2 x 1250 kW, 415/3 phase/50Hz, Stamford
Bow Thruster	: 1 x 10T Motor Driven CPP Tunnel Thrusters 1 x 12T Retractable Azimuth Thrusters, Engine Driven
Stern Thruster	: 1 x 10T Motor Driven CPP Tunnel Thrusters
Propellers	: 2 x CPP
Emergency Generator	: 1 x 82 kW, 415/3 phase/50 Hz, CAT4.4

DISCHARGE RATE

Fuel Oil Cargo Pump	: 2 x 100 m3/hr @ 90m head
Fresh Water Cargo Pump	: 1 x 100m3/hr @ 90m head
Drill Water Cargo Pump	: 1 x 100m3/hr @ 90m head
Liquid Mud/Brine Pump	: 2 x 100 m3/hr @ 90m head
Brine Cargo Pump	: 1 x 100m3/hr @ 90m head
Base Oil Cargo Pump	: 1 x 100m3/hr @ 90m head

DECK EQUIPMENT

Capstan	: 2 x 10T @ 25 m/min
Tugger Winch	: 2 x 16.90 ton @ 27.5 m/min
Anchor Windlass	: 11.9T @ 13.80 m/min @ 40 bar
Anchor	: 2 x HHP AC14 1590kg Anchors

ACCOMMODATIONS

Crew + Passengers	: 2 x 1 berth cabins 4 x 2 berth cabins 8 x 4 berth cabins Total 42 berth
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All cabin fully air-conditioned	
Walk-in freezer space	: 10.0 m3
Walk-in Chiller	: 12.0 m3

RADIO & NAVIGATION EQUIPMENTS

SSB (additional)	: 1 x Furuno FS-1570, 150W MF/HF
VHF	: 2 x JRC-7705
Radar	: 2 x JRC, JMA-5312-6, X-Band with ATA, 96m range
Echo Sounder	: 1 x JRC, JFE-680, -800m
Gyro Compass	: 3 x C, Plath Navigat
GMDSS	: For Sea-Area A1+A2+A3 operation JRC-296, 250W MF/HF
Magnetic Compass	: 1 x Lilley & Gilie MK2000
Speed Log	: 1 x JRC, JLN-205
Auto Pilot	: 1 x Navitron PID, NT888G
Navtex Receiver	: 1 x JRC, NCR-333
GPS Navigator	: 2 x JRC, NWZ-4570
Joystick	:
EPIRB	: 1 x GME 406/121.5MHZx
AIS	: 1 x JRC, JHS-182
Inmarsat C satellite communication for telex & EGC	:

LIFE SAVING & H.S.E. EQUIPMENTS

Search Lights	: 2 x 2000W
Floodlights	: Fitted
Life Jackets	: 51
Liferafts	: 4 x 25 men & 2 x 15 men
Lifebuoys	: 10 seats
Firemen Suits	: 6
Scrambling Net	: 2 pcs
Rescue Boat	: 1 x 6 men semi-rigid type, Z5HP
Slewing Devit	: As per SOLAS requirement

FIRE FIGHTING EQUIPMENTS

<u>External</u>	
Fire Pump	: 2 x 1500 m3/hr at 1.4 Mpa each
Fire Monitor	: 2 monitors (water & foam, manual and remote control)
Oil Dispersant Boom	: 1 set
<u>Internal</u>	
CO2 System	: Fitted
In Engine Room	

TOWING / ANCHOR HANDLING EQUIPMENT

Bollard Pull	: Average 152 MT, Max. 158 MT
Towing Winch	: Twin drums in waterfall configuration Brake holding: 450 Ton @ 1st layer, Braatvaag
Tow Drum Wire Capacity	: 2000 m x 76 mm diameter
Work Drum Capacity	: 2000 m x 76 mm diameter
Stern Roller	: approx. 2.0 dia x 5m length, SWL 300 ton
Kern Fork	: 2 sets SWL 300 tons
Towing Pins	: 1 set SWL 450 tons
Storage Reel	: 1 x 16.8 ton @ 0.68.6 m/min
Local/Remote control form wheelhouse	

OTHERS

Reefer points	: 8 x 16 amp, 415/3/50Hz 4 in sockets
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MV JM SALAM GENERAL ARRANGEMENT PLAN

