

# SK MAGNITUDE

## 78M MAINTENANCE WORK VESSEL 200 MEN | DP 2 | FIFI 1

### VESSEL PARTICULARS

<b>Class</b>	ABS ✕A1 (E) SPS ✕AMS Offshore Support Vessel FFV 1 ✕DPS-2 CRC RW
<b>Flag</b>	Malaysia
<b>P.O.R</b>	Port Kelang
<b>Year Built</b>	2018
<b>Builder</b>	Xiamen Shipbuilding Industry
<b>IMO</b>	9753856
<b>Official Number</b>	335809
<b>Call Sign</b>	9MWC3

### DIMENSION

<b>L.O.A.</b>	78.00 m
<b>Beam</b>	20.00 m
<b>Depth</b>	8.00 m
<b>Draft (max)</b>	6.40 m
<b>GRT</b>	4951
<b>NRT</b>	1485

### CARGO CAPACITIES

<b>Deadweight</b>	3618 Tonnes
<b>Deck Cargo</b>	1000 Tonnes
<b>Deck Loading</b>	10 Tonnes/m <sup>2</sup>
<b>Deck Area</b>	750 m <sup>2</sup>
<b>Fresh Water</b>	1168 m <sup>3</sup>
<b>Drill/Bal Water</b>	2433 m <sup>3</sup>
<b>Fuel Oil</b>	1481 m <sup>3</sup>

### ACCOMMODATION

<b>1 Man cabin</b>	6x 1 (6)
<b>2 Men Cabin</b>	19x 2 (38)
<b>4 Men cabin</b>	39x 4 (156)
<b>Total</b>	200 berths
<b>Hospital</b>	2 berths

### PERFORMANCE

<b>Speed</b>	11.5 knots
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### PROPULSION & POWER PLANT

<b>Propellers</b>	2x 2206KW Azimuth Thrusters
<b>Bow Thruster</b>	2x 785KW, 12T Thrust each
<b>Main Engine</b>	2x 2206KW 800 rpm
<b>Main Generator</b>	2x 715KW, 440V3Ph60Hz
<b>Shaft Generator</b>	2x 1236KW, 440V3Ph60Hz
<b>Emerg Generator</b>	1x 150KW, 440V3Ph60Hz

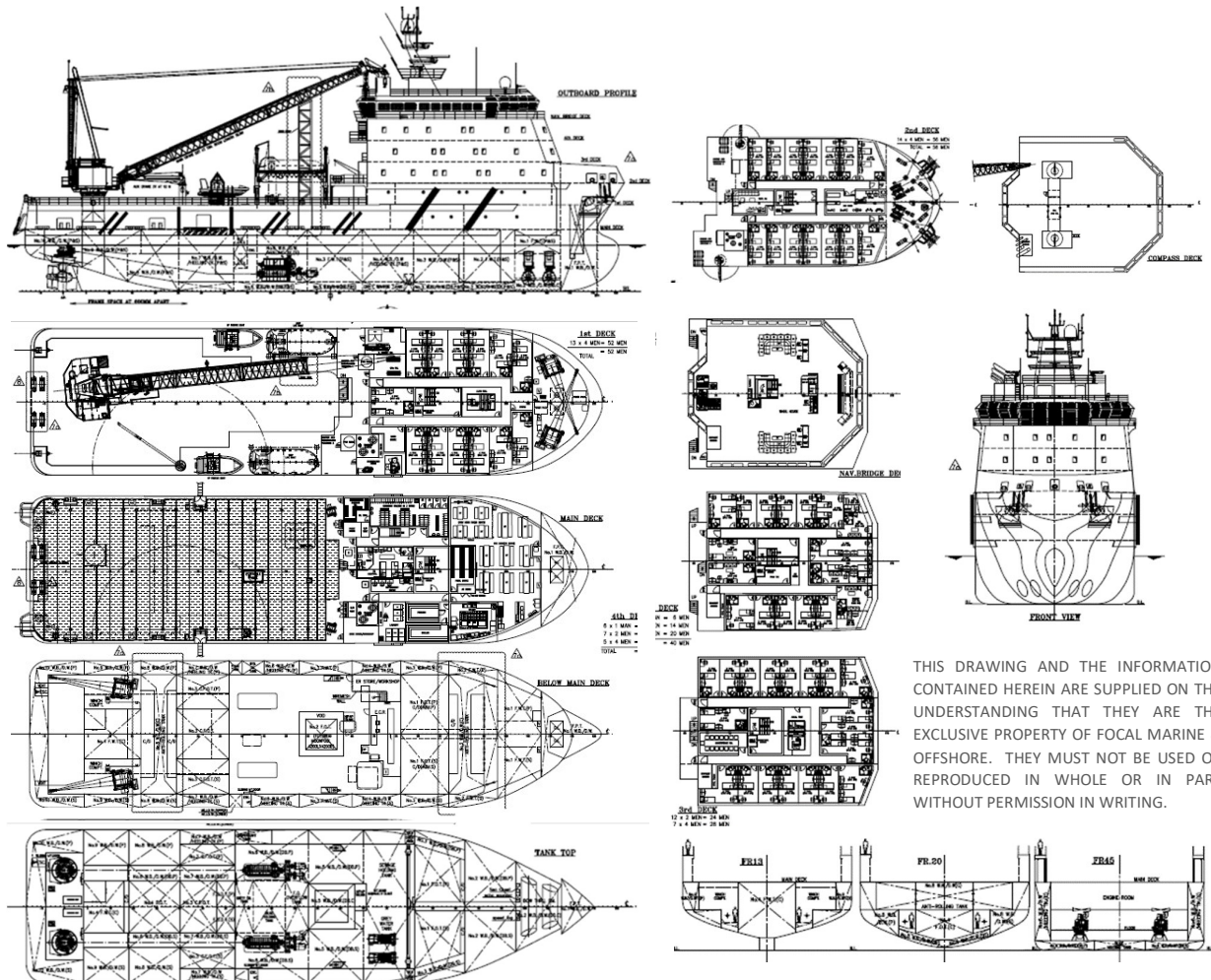
### DECK MACHINERY

<b>Tugger winch</b>	2x 10 Tonnes SWL
<b>Capstan</b>	2x 5 Tonnes SWL
<b>Provision Crane</b>	1x 3 Tonnes SWL @ 12 m radius
<b>4 Points Mooring</b>	4x Electro-Hydraulic Mooring Winches Line pull: 50 Tonnes Brake: 120 Tonnes Drum cap: 1500m x 42mm dia. Wire 4x 5 Tonnes Delta Flipper Anchors
<b>Pedestal Crane</b>	1x 50 Tonnes @ 12 m radius Boom Length: 36.6m lattice type API 2C, certified for Personnel Lifting

### CARGO HANDLING CAPACITY

<b>Fresh Water</b>	1x 120 m <sup>3</sup> /hr @ 90 m head
<b>Drill Water</b>	1x 120 m <sup>3</sup> /hr @ 90 m head
<b>Fuel Oil</b>	1x 120 m <sup>3</sup> /hr @ 90 m head
<b>Water Maker</b>	2x 40 m <sup>3</sup> /day

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### NAVIGATION EQUIPMENT

Radars, Magnetic Compass, Gyro Compasses, DGPSs, AIS Autopilot, Echo Sounder, Speed Log, Navtex, Weather Fax SSAS, BNWAS, (VDR), (ECDIS)

### COMMUNICATION EQUIPMENT

GMDSS A1+A2+A3, VSAT

### FIRE-FIGHTING EQUIPMENT

**External FiFi** Pump: 2x 1830 m<sup>3</sup>/hr @ 120m  
Monitor: 1x 1200 m<sup>3</sup>/hr (water/foam)  
Monitor: 1x 1200 m<sup>3</sup>/hr (water)

**Oil Dispersant** 2x 6m spray booms with nozzles

### SAFETY EQUIPMENT

**Rescue Boat** 2x 6 men Fast Rescue Boat  
118 KW in board engine, waterjet

**Lifeboat** 2x 100 men Life Boats

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