



#### MAIN PARTICULARS

Flag	: Malaysia
Year Built	: 2018
Length Overall	: 65.00M
Length BP	: 60.39M
Breadth Moulded	: 15.80M
Depth Moulded	: 6.50M
Draft Moulded	: 5.10M
Deadweight	: 1640 T
Gross Tonnage	: 2071
Bollard Pull	: ~ 80 T
Net Tonnage	: 638
Trial Speed	: ~13.0 knots
Class Notation	: ABS + A1 (E), Offshore Support Vessel (Supply, FFV1,TOW, AH, OSR-C2) + AMS, DPS-2, SPS

#### PROPULSION /MACHINERY

Main Engine	: 2 X 2400KW@Mak 8M25C
Rudder Propeller	: 2 X Berg CP Azimuth Thruster
Bow Thruster	: 2 x 12.0T Kawasaki, CPP type
Main Generator	: 3 x 450kWe, Caterpillar, 415V/3ph/50Hz
Shaft Generator	: 2 x 1230 kWe, PTO driven, 415V/3ph/50Hz
Emergency Diesel Generator	: 1 x 136 kWe, Caterpillar, 415V/3ph/50Hz

#### CARGO CAPACITIES

Clear Deck Area	: 450M <sup>2</sup>
Deck Loading	: 7.0 T/M <sup>2</sup>
Fuel Oil	: ~580 M <sup>3</sup>
Fresh Water	: ~375 M <sup>3</sup>
Drill Water / Water Ballast	: ~820 M <sup>3</sup>
Liquid Mud (with Agitators) / ORO/ Brine	: ~400 M <sup>3</sup>
Cement Tank	: 4 x (1500ft <sup>3</sup> ) 42.5 M <sup>3</sup>

#### CARGO DELIVERY RATES

Fuel Oil Cargo	: 2 x 150 M <sup>3</sup> /hr@ 75M head
Fresh Water	: 1 x 100 M <sup>3</sup> /hr@ 75M head
Drill Water	: 1 x 100 M <sup>3</sup> /hr@ 75M head
Liquid Mud	: 2 x 75 M <sup>3</sup> /hr @ 75M head

#### SUPPLY & DRAINAGE PLANT

Freshwater Maker	: 1 x reverse osmosis type, 5 T/day
Sewage Holding & Treatment System	: For 50 persons
Oily Bilge Water Separator	: 1 x 1.0 M <sup>3</sup> /hr with oil content <15ppm
F.W. Hydrophore Plant	: 4M <sup>3</sup> /hr @ 40M head
S.W Hydrophore Plant	: 4M <sup>3</sup> /hr @ 40M head
Central Water Heating System	: 1 set c/w 300L tank

## ACCOMMODATION

6 x 2 man cabin	:	12 men
4 x 1 men cabin	:	4 men
8 x 4 men cabin	:	32 men
Total	:	48 men

Hospital	:	1 man
Chiller & Freezer	:	~20M <sup>3</sup>
Provision store	:	25 days

## LIFE SAVING EQUIPMENT

Life Raft	:	6 x 25
FRP Rescue Boat c/w Davit	:	1 x 6 men
Life Buoy-ring	:	8 sets
First Aid Kit	:	1 set
Lifejacket	:	52 sets
Immersion suits	:	52 sets
EEBD	:	7 unit + 1 unit of training

## NAVIGATION COMMUNICATION EQUIPMENT

X-band Radar Range 96NM	:	1 set
S-band Radar Range 96NM	:	1 set
Echo Sounder	:	1 set
GPS Plotter	:	1 set
Gyro Compass	:	1 set
Magnetic Compass	:	1 set
Autopilot & Steering Gear	:	1 set
Weather Facsimile receiver	:	1 set
Doppler Speed Log	:	1 set
Automatic Identification System (AIS)	:	1 set
MF/HF Transceiver (GMDSS)	:	1 set
Satellite EPIRB	:	1 set
2-way Portable VHF radios	:	3 sets
SART	:	2 sets
Navtex Receiver (GMDSS)	:	1 set
Anemometer	:	1 set
BNWAS	:	1 set

## DYNAMIC POSITIONING SYSTEM

Meets the DPS-2 class notation of ABS to be configured of incorporated with:

- 2 x Independent Joystick Control
- 2 x DP Control Computers
- 2 x DGPS Position Reference Sensor
- 1 x Laser Reference System Sensor
- 2 x Wind Sensors
- 2 x Gyro Compass
- 2 x Vertical Reference Unit
- 2 x UPS
- 2 x Printer for Alarm Data Log

## DECK / AHT EQUIPMENT

Windlass	:	1 x electro-hydraulic type, 10T @ 12M/min for 40mm dia. Chain
Capstan	:	2 x electro-hydraulic type, 5T @ 15M/min
Towing & Anchor Handling winch	:	1 x electro-hydraulic driven, waterfall type, c/w spooling device for towing winch Pull: 150T of 1 <sup>st</sup> layer Brake holding: 250 T Drum capacity: 1000mm x 58mm wire rope

Towing pins	:	2 x vertical hydraulic retractable type @ 200 T SWL
Shark Jaws	:	1 x hydraulic retractable type @ 200T SWL
Tugger Winch	:	2 x electro-hydraulic type, 10T @ 15M/min
Stern Roller	:	5.00M by 1.8M dia, 200T SWL
Storage Reel	:	1 x hydraulic type, 5T @ 15M/min, with Drum capacity of 58mm dia. x 1000M
Anchor	:	2 x approx 1305kg high holding anchors
Deck Crane	:	1 x marine crane of 3T @ 12.0M

## EXTERNAL FIRE FIGHTING SYSTEM

External Fi-Fi	:	Class 1 c/w fixed water spray system
Fire Monitor	:	2 x 1200 M <sup>3</sup> /hr
Fire Pump	:	2 x 1720 M <sup>3</sup> /hr at 125mlc
Foam System	:	14M <sup>3</sup> tank capacity
Dispersant System	:	14M <sup>3</sup> tank capacity
Sea Chest	:	2 x independent

## INTERNAL FIRE FIGHTING SYSTEM

CO <sub>2</sub> Fixed Fire Fighting System	:	Provided in engine room
Fire Detection & Alarm System	:	Shipset
B.A. Recharging Compressor	:	1 unit
Portable Fire Extinguishers	:	Shipset
Fire Blanket	:	2 sets
Fire Axe	:	1 unit
Fireman's Outfits	:	6 units