

OMS Discovery



PRINCIPAL PARTICULARS

Length O.A	48.00 M
Length WL	45.56 M
Beam	13.20 M
Depth	5.20 M
Designed Draft	4.20 M
GRT/NRT	1039/311
Year Built	2007
Builder	Sealink Shipyard, Miri
Classification	ABS
Notation:	Class 1 + Hull
Flag:	Australian
Call Sign	9WGX8
Official No	330828

PERFORMANCE

Maximum Speed	12.5 knots
Economical Speed	TBA
Type of Fuel	Fuel Oil
Range	TBA

CARGO CAPACITIES

Deadweight	TBA
Deck Cargo	200 t
Deck Strength	7.5 tons/m2
Clear Deck Area	225 m2
Fuel Oil	630m3
Lube Oil	6 m3
Fresh Water	230m3
Drill Water/SWB	90m2
Foam/Detergent	19m3

DISCHARGE RATES

Fuel Oil Cargo	90m3/hr @ 75m head Desmi
Potable Water	90m3/hr @ 75m head Desmi

PROPULSION SYSTEM

Main Engines	2 x 2375 BHP @ 1600 rpm Caterpillar
Gearbox	For CPP Ratio 7.455:1 Reintjes
Bow Thruster	Schottel 350kW CPP electric driven
Wheelhouse Control	Fwd & aft control
Rudder	2 x Independent

Generator	3 x 380kW, 415/4/50 Cummins
Emergency Generator	1 x 48 kW, 415/3/50 Yanmar
Propellers	2 x CPP 2300mm dia Berg

OTHER EQUIPMENT

Oily Water Separator	1 x 500 lt/hr @ 2kg/cm3
Sewage Treat Plant	1 x MARPOL approved (40 man)

DECK MACHINERY & EQUIPMENT

Bollard Pull	60t approx
Anchor Handling Winch	1 x waterfall type 100t
Tow Drum	1000 m x 56mm
Anchor Handling Drum	TBA
Brake Capacity	150t
Capstan	2 x 5T x 0.15m/min
Tugger Winch	2 x 10t x 0.15m/min
Stern Roller	SWL 150t 3.5m x 1.6m dia
Anchors	1 x 1080kg Stockless
Anchor Windlass	Plimsoll 4.9t @ 11m/min
Shark Jaw	Hydraulic 300t

ACCOMMODATION

2 x 1 Berth Cabins	2 men
1 x 2 Berth Cabins	2 men
9 x 4 Berth Cabins	36 men
Total	40 men

RADIO & NAVIGATION EQUIPMENT

SSB	Furuno – FS 1570
VHF	1 x Furuno – FM 8800
Radar	1 x IMO approved (Furuno)
Echo Sounder	1 x OMS approved
Gyro Compass	1 x with Autopilot
GPS	2 x Furuno
GMDSS	1 x Furuno
Magnetic Compass	1 x Daiko
Autopilot	1 x Simrad
Speed Log	1 x IMO approved
Navtex Receiver	1 x IMO approved
SART	2 x Pathfinder
Portable VHF Radio	3 x units
Inmarsat C	1 x Furuno c/w SSAS capability
EPIRB	1 x IMO approved
AIS	1 X Furuno
SSAS	For ISPS Code

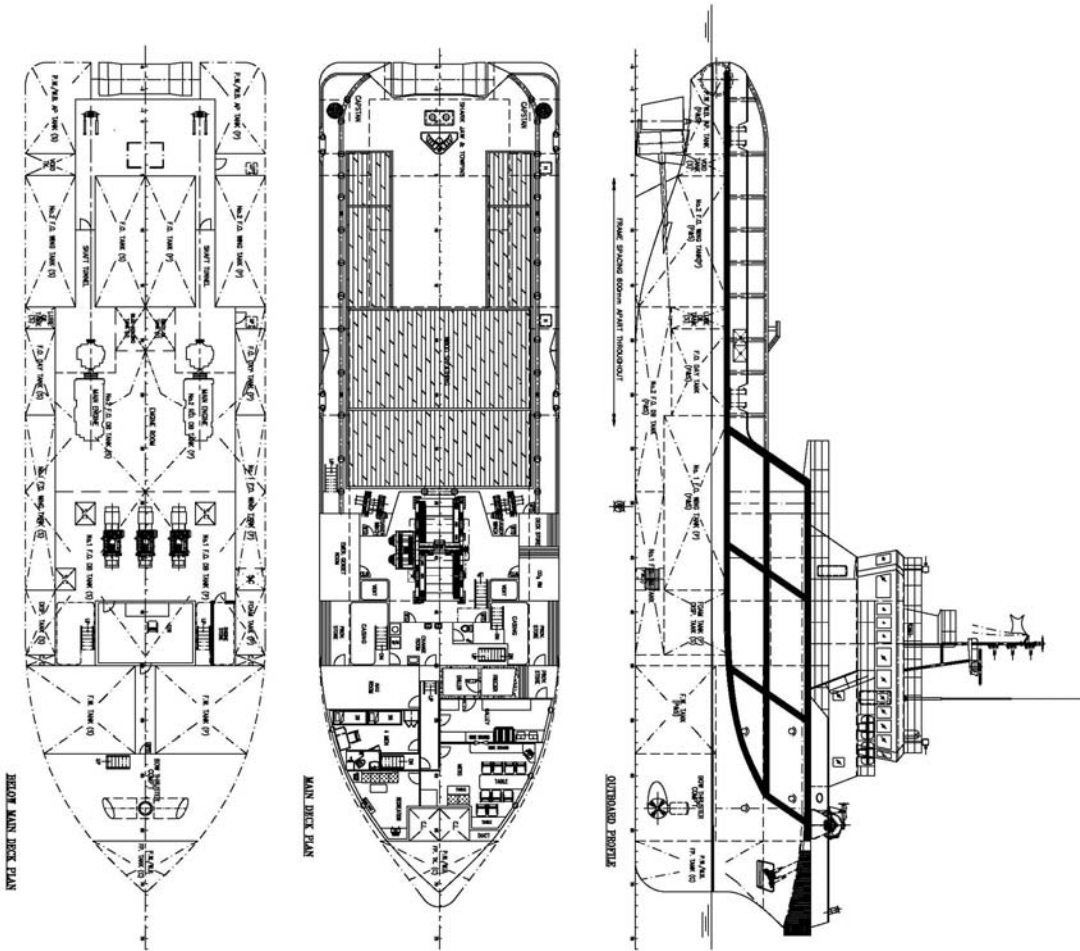
FIRE FIGHTING EQUIPMENT

Fire Pump	2 x seawater 1500 m3/hr @ 14 bar
Fire Monitor	2 x handwheels
Full Flooding	CO2 system in Engine Room

LIFE SAVING EQUIPMENT

Search Lights	2 x 1000 w (fwd & aft)
Floodlights	2 x 400w (fwd), 3 x 1000w (aft)
Liferafts	4 x 20-men
Lifebuoys	9 x Self igniting elect lights
Lifejackets	45 pcs
Rescue Boat	1 x c/w 25 BHP Solas approved

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PRINCIPAL DIMENSIONS

LENGTH OVERALL	48.00 M
LENGTH WATERLINE	45.56 M
LENGTH BERT PEER	42.40 M
BREADTH MOULDED	13.20 M
DEPTH MOULDED	5.20 M
DESIGN DRAFT MOULDED	4.20 M
CAPACITY	40 M ³
FUEL, OIL	650.0 M ³
FRESH WATER	235.0 M ³
POWER (TOTAL)	4750 BHP

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GENERAL ARRANGEMENT	
DESIGNER	SSS131
SCALE	AS SHOWN
DATE	17/11/21
<p>KIC KHAM CHUAN MARINE PTE LTD 15, HELIXEN TERRACE, SINGAPORE 668226 TEL: 67252323 OR 67252798 FAX: 67252323 OR 67252798 EMAIL: SALES@KICMARINE.COM</p>	
<p>48m ANCHOR HANDLING TUG</p>	

