

VESSEL:

CMV ATHOS

CLASSIFICATION:
AHTS (DP2)



BHAGWAN^{BM}
marine



TECHNICAL SPECIFICATIONS

BUILT:	2017
CLASSIFICATION	
CLASSIFICATION:	ABS + A1; AH; Offshore Support Vessel; Supply; Tow; (E) AMS; DPS2
IMO:	9693874
TRADING AREA:	A1
CALL SIGN:	VMER
DIMENSIONS	
LENGTH OVERALL:	65.00m
BREADTH MOULDED:	16.00m
DEPTH MOULDED:	6.20m
DRAFT (DESIGN):	5.00m
DRAFT (SCANTLING):	5.20m
GRT / NRT:	2237GT / 671NT
CAPABILITIES	
PERFORMANCE SPEED:	12 knots
BOLLARD PULL:	86t
ACCOMMODATION	
TOTAL BERTHS:	50 (8 x single berth, 3 x double berth, 9 x 4 berth)
CARGO CAPACITIES	
DEADWEIGHT:	1878.3t
DECK CARGO:	600t
CARGO DECK DESIGN LOAD:	7.0 t/m ²
DECK CARGO SPACE:	447m ²

TANK CAPACITY (APPROX)

POTABLE WATER:	300m ³
FUEL OIL:	570m ³
DRILL WATER / WATER BALLAST:	550m ³
DRY BULK CARGO TANKS:	150m ³
BASE OIL:	150m ³
MUD / BRINE:	370m ³ (SG 2.5)
LUBE OIL:	10m ³
DIRTY OIL:	10m ³
FOAM:	10m ³
DISPERSANT:	10m ³

PROPULSION SYSTEM

MAIN ENGINES

2 x Niigata 2206 KW

STERN TUBE & PROPELLER

2 x fabricated mild steel tubes
2 x stern tube oil tanks
2 x four bladed controllable pitch propellers

MAIN GENERATORS

3 x 492kw diesel driven alternators (415V/3/50Hz)
2 x 900kw shaft generator driven by gear box

EMERGENCY GENERATOR

1 x diesel-driven emergency generator, rated approx. 80kw (415V/3/50Hz)

BILGE/ BALLAST/ GS/ FIRE PUMPS

2 x vertical self-priming centrifugal SW pump of 100m³/hr at 70m total head

Head Office
L3 / 251 St Georges Tce
Perth WA 6000
Tel: +61 8 9424 2300

Dampier Office
1 Nielsen Place
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Darwin Office
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Brisbane Office
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Melbourne Office
97 Kooringa Way
Port Melbourne VIC 3207
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CLASSIFICATION

BILGE PUMPS

2 x set capacity 45m³/hr at 30m total head. 1 x daily bilge pump, capacity 2m³/hr at 25m total head

FUEL TRANSFER PUMP

2 x 15m³/hr at 20m head horizontal gear

WATER CARGO PUMPS

1 x vertical centrifugal self-priming pump – FW capacity 100m³/hr at 70m head

1x vertical centrifugal self-priming pump – DW capacity 100m³/hr at 70m head

CARGO FUEL PUMP

1 x vertical self-priming screw pump – capacity 150m³/hr at 70m head

LIQUID MUD / BRINE PUMPS

2 x horizontal pumps – capacity 70m³/hr when discharging against pressure of 70MLC at mud density of 2.5.

EMERGENCY FIRE PUMP

1 x horizontal self-priming centrifugal fixed emergency fire pump of 45m³/hr at 60m head

ENGINE COOLING SYSTEM

LUBE OIL SYSTEM FOR MAIN/AUXILIARY ENGINES OILY BILGE WATER SEPARATOR

1 x MARPOL standard oily water separator complete with pump and oily water discharge alarm. Capacity 1m³/hr with oil content less than 15ppm.

BOW/STERN THRUSTERS

2 x transverse tunnel CP bow thrusters, each giving a thrust of approx 8t, driven by electrical motor

1 x transverse tunnel CP stern thruster, giving a thrust of approx 8t, driven by electrical motor

SEWAGE TREATMENT PLANT

1 x sewage treatment plant for 50 persons

1 x sewage pump of 5m³ capacity

DECK EQUIPMENT

ANCHOR WINDLASS

1 x electro-hydraulic with 2 cable lifters and 2 warping drums, capacities - 10 tonnes at 9m/min for chain cables.

ANCHORS

2 x AC-14 HHP stockless anchors, stowed in anchor-pockets, each of 1,440kg.

CAPSTANS

2 x electro-hydraulic with pulling force of 10 tonnes at 15m/min.

TOWING & ANCHOR HANDING WINCH

1 set, high pressure electro-hydraulic driven, double drum, waterfall type. Rated pull at first layer: 150 ton at low speed.

TOWING PIN & SHARK JAWS

TUGGER WINCH

2 x electro-hydraulic of 10 tonnes @ 15m/min. Each with 1 wire drum and 1 warping head c/w 250m x 22mm dia. wire.

STERN ROLLER

250t SWL, approx 4.4m long by 1.7m diameter.

DECK CRANE

1 x electro-hydraulic knuckle crane - SWL 2t at outreach 15m.

RADIO AND NAVIGATION EQUIPMENT

GMDSS COMMUNICATION A3 NAVIGATION

Daylight signalling lamp, 24V DV Standard magnetic reflector compass Autopilot, 3 x Gyrocompass, 2 x radars, Echo sounder - 200 KHz c/w transducer, Speed log - Doppler type, range - 10 to 45 knots

3 x Searchlights - 2,000W, 222/1/50

3 x DGPS

COMMUNICATION

PA / talkback system

A 24-volt internal automatic telephone system

1 x MF/HF, 250W, voice, DSC & NBDP, ship and shore distress alerts

1 x MF/HF DSC watch keeping receiver

2 x 25W VHF, 220/1/50 & 24V DC

2 x VHF watch receiver with DSC decoder

3 x 2-way VHF handheld transceivers, waterproof type.

1 x Navtex receiver, SSAS, 1 x Inmarsat 'C' EPRIB, GMDSS satellite 408 MHz EPRIB

2 x SART, GMDSS 9GHz

TV antenna - 14 outlets

FIRE FIGHTING

EXTERNAL FIRE-FIGHTING SYSTEM

FiFi System Class 1

FIRE PUMPS

2 x seawater pumps 1650m³/hr @ 140m head

FIRE MONITORS

2 x monitors at 1200m³/hr each (one dual barrel water/foam).

FIXED WATER SPRAYING SYSTEM

LIFE SAVING EQUIPMENT

Liferafts - 6 x 25 persons inflatable liferafts

Lifebuoys - 8, Lifejackets - 50

Pyrotechnics - 1 x line throwing apparatus, 12 x parachute distress rockets, 2 x orange smoke signals, 6 x hand flares.

Rope ladders - 2

Rescue boat & davit - to carry 9 persons with davit for launching over one side.



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