

Coral Knight

AHTS (DP1)



VESSEL PARTICULARS

BUILT	2013
CLASSIFICATION	100A1 AHTS, Fire-Fighting Ship 1 (2400m ³ /h) with Water Spray, *IWS, DP1, UMS, LMC
IMO	9696280
TRADING AREA	Unlimited
CALL SIGN	VNKK

DIMENSIONS

LENGTH OVERALL	60.50m
BREADTH MOULDED	15.80m
DEPTH MOULDED	6.50m
DRAFT (DESIGN)	5.00m
GRT/NRT	1945GT / 583NT

CAPABILITIES

PERFORMANCE SPEED	13.8 kn (Max), 10.5kn (Econ)
BOLLARD PULL	82t

ACCOMMODATION

TOTAL BERTHS	42 (4 x single berth, 3 x double berth, 8 x 4 berth)
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CARGO CAPACITIES

DEADWEIGHT	1472.3t
DECK CARGO	500t (Stability book)
CARGO DECK DESIGN LOAD	7.0 t/m ²
DECK CARGO SPACE	Free space 330m ³ Mezzanine deck free 33m ³

TANK CAPACITY (APPROX)

POTABLE WATER	407m ³
FUEL OIL	580.8m ³
USABLE FUEL	470.0m ³
DRILL WATER / WATER BALLAST	593m ³

DRY BULK CARGO TANKS	170m ³
MUD / BRINE	291.8m ³
LUBE OIL	14.5m ³
DIRTY OIL	10m ³
DISPERSANT	17.9m ³

PROPULSION SYSTEM

MAIN ENGINES	2 x Niigata 8L28HX 2353kw each
STERN TUBE & PROPELLER	2 x Niigata Z-Peller stern drives 2 x Four bladed fixed pitch propeller
MAIN GENERATORS	3 x 550kw diesel driven alternators (440V/3/60Hz)
EMERGENCY GENERATOR	1 x Diesel-driven emergency generator, rated 88kw (440V/3/60Hz)
BOW THRUSTERS	1x 533kw Electric Tunnel Thruster 1x 533kw Diesel Tunnel Thruster

PUMPS

BILGE/ BALLAST/ GS/FIRE PUMPS	1 x 75M ³ /hr Bilge Ballast pump 1x 110m ³ /hr GS Fire pump
CARGO WATER PUMPS	1 x 100m ³ /hr at 75m head FW 1 x 100m ³ /hr at 75m head DW
CARGO FUEL PUMP	1 x 150m ³ /hr at 75m head
LIQUID MUD / BRINE PUMPS	1 x 70m ³ /hr at 75m head
EMERGENCY FIRE PUMP	1 x 35m ³ /hr at 50m head

POLLUTION PREVENTION

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 1m ³ /hr with oil content less than 15ppm.
SEWAGE TREATMENT PLANT	1 x sewage treatment plant for 50 persons 1 x sewage pump of 5m ³ capacity

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DECK EQUIPMENT

ANCHOR WINDLASS	1 x electro-hydraulic with 2 cable lifters and 2 warping drums, capacities - 10 tonnes at 12m/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 5 tonnes at 15m/min.
TOWING & ANCHOR HANDING WINCH	1x high, double drum, waterfall type anchor handling and towin winch. Rated pull at first layer: 150 ton at low speed. 200t Brake Holding 1000m 56mm wire (x 2). Plus full spare tow wire
TOWING PIN & SHARK JAWS	1 x Karm Fork 400t
TUGGER WINCH	2 x electro-hydraulic of 10 tonnes @ 15m/min. Each with 1 wire drum and 1 warping head c/w 75m x 22mm dia. wire. 200t
STERN ROLLER	200t SWL, approx 4.4m long by 1.7m diameter.
DECK CRANE	1 x Norcrane SWL 12T 3.1 – 15m, 5T 3.1 – 15m

RADIO AND NAVIGATION EQUIPMENT

GMDSS COMMUNICATION	Daylight signalling lamp
A3 NAVIGATION	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
Starlink

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 2400m³/hr with 160m throw.
FIXED WATER SPRAYING SYSTEM	

LIFE SAVING EQUIPMENT

LIFERAFTS	6 x 25 persons inflatable liferafts
LIFEBUOYS	5
LIFE JACKETS	50
LINE THROWING APPLIANCES	4
PYROTECHNICS	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.

ADDITIONAL EQUIPMENT

1 x 9.8m x 3.4m (beam) Aluminium LCT in full survey.
2C Survey - 8 persons (2 crew / 6pax)
2 x 150 Suzuki O/B



CHARTER ENQUIRIES

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