

OMS Endurance



PRINCIPAL PARTICULARS

Length Overall	49.00 m
Length Waterline	47.50 m
Breadth Moulded	13.00 m
Depth Moulded	5.30 m
Draft (max)	4.50 m
Date/Place Built	2007 / Malaysia
GRT/NRT	1025/307
Class	ABS
Notation	A1E Offshore Support Vessel ½ FiFi Vessel Class 1
Flag	Australian
Call Sign	VNW5946
Official No	858273

PERFORMANCE

Maximum Speed	13 knots
Economical Speed	10.5 knots
Type of Fuel	Marine Gas Oil
Range	TBA

CARGO CAPACITIES

Deadweight	907.6 tonnes
Deck Cargo	TBA
Deck Strength	7.5 tons/m ² approx
Clear Deck Area	260 m ² approx
Fuel Oil	600 m ³ approx
Lube Oil	4 m ³ approx
Fresh Water	250 m ³ approx
Drill Water/SWB	TBA
Freezer	about -18 deg ^o
Cooler	about +4 deg ^o
Foam/Detergent	10 m ³ approx

DISCHARGE RATES

Fuel Oil	100 m ³ /hr @ 30 m
Potable Water	100 m ³ /hr @ 30 m
Drill Water	100 m ³ /hr @ 30 m

PROPULSION SYSTEM

Main Engines	2 x 2,447 BHP @ 1600 rpm Caterpillar c/w CPP reduction gear box
Generators	2 x 245 kw 415/3/50 0.8 PF 4 wire
Emergency Generator	1 x 80 kw 440V/3 Ph/60 Hz CAT 3404
Shaft Alternator	Alternator Leroy Somer
Bow Thruster	1 x 1,800 kw 1 440V/60 Hz
	1 x 315 kw Ulstein/Kamewa or equal (CCP) 5T thrust
Propellers	2 x CPP type Ulstein/Kamewa or equal 4 blade mg- al bronze
Rudders	2 x Independent Rudders
Anchors	2 x 1,305 kgs Strockless Bower Anchor c/w 36mm Ø U2 chains

OTHER EQUIPMENT

Water Maker	1 x Reverse Osmosis type cap 5.0 m ³ /day
Oily Water Separator	1 x 1 m ³ /hr x 2 kg/cm ² Taiko or Heishin.
Sewage Treat. Plant	1 x Hamworthy MARPOL approved

TOWING / ANCHOR HANDLING EQUIPMENT

Bollard Pull	55-60 m/ton
Anchor Handling	1 x Plimsoll Electric Hydraulic
Winch	Waterfall type
Tow Drum	1000 m x 52 mm wire rope
Anchor Handling Drum	1000 m x 52 mm wire rope
Line Pull at 1st Layer	150 tons @ 14 m/min
Brake Capacity	150 tons for both drums

DECK EQUIPMENT

Capstan	2 x 5T x 0-15 m/min Plimsoll
Tugger Winch	2 x 5T x 0-15 m/min Plimsoll
Rope Reel	2 x 220 m approx mooring rope of 26kg braking strain
Stern Roller	1.6m – 1.8m Ø x 4.2 m length (SWL 225 tons)
Anchor Windlass	6.5 tons @ 14m/min for 32 mm Ø U2 stud line chain
Shark Jaw	1 x hydraulic lock set jaws; SWL 200 tons
Tow Pins	1 x Smitt Berger 100 tons SWL

ACCOMMODATION (All cabins fully air-conditioned)

Crew	3 x 1 berth cabins 3 x 2 berth cabins 5 x 4 berth cabins
TOTAL	29 crew

RADIO AND NAVIGATION EQUIPMENT

SSB	1 x Furuno FS-1562-25 (250W, 1.6-27.5 MHz)
VHF	1 x Furuno or similar 24V DC
Radar	2 x Radars, (1 x 96 nm, 1 x 48NM range)
Echo Sounder	1 x IMO Type depth range 0-800m
Speed Log	1 x IMO type (Furuno or similar)
Whether Fax	1 x Furuno Fax 207
Gyro Compass	1 x IMO approved cw auto-pilot
GMDSS	Area 3
Magnetic Compass	1 x Saura MR 150
Navtex Receiver	1 x Furuno NX 500
SART	2 x McMurdo RT9
Portable VHF Radio	3 x Navico Axis 250
Inmarsat	1 x Inmarsat C Felcom 12
EPIRB	1 x McMurdo E3A
Autopilot	1 unit

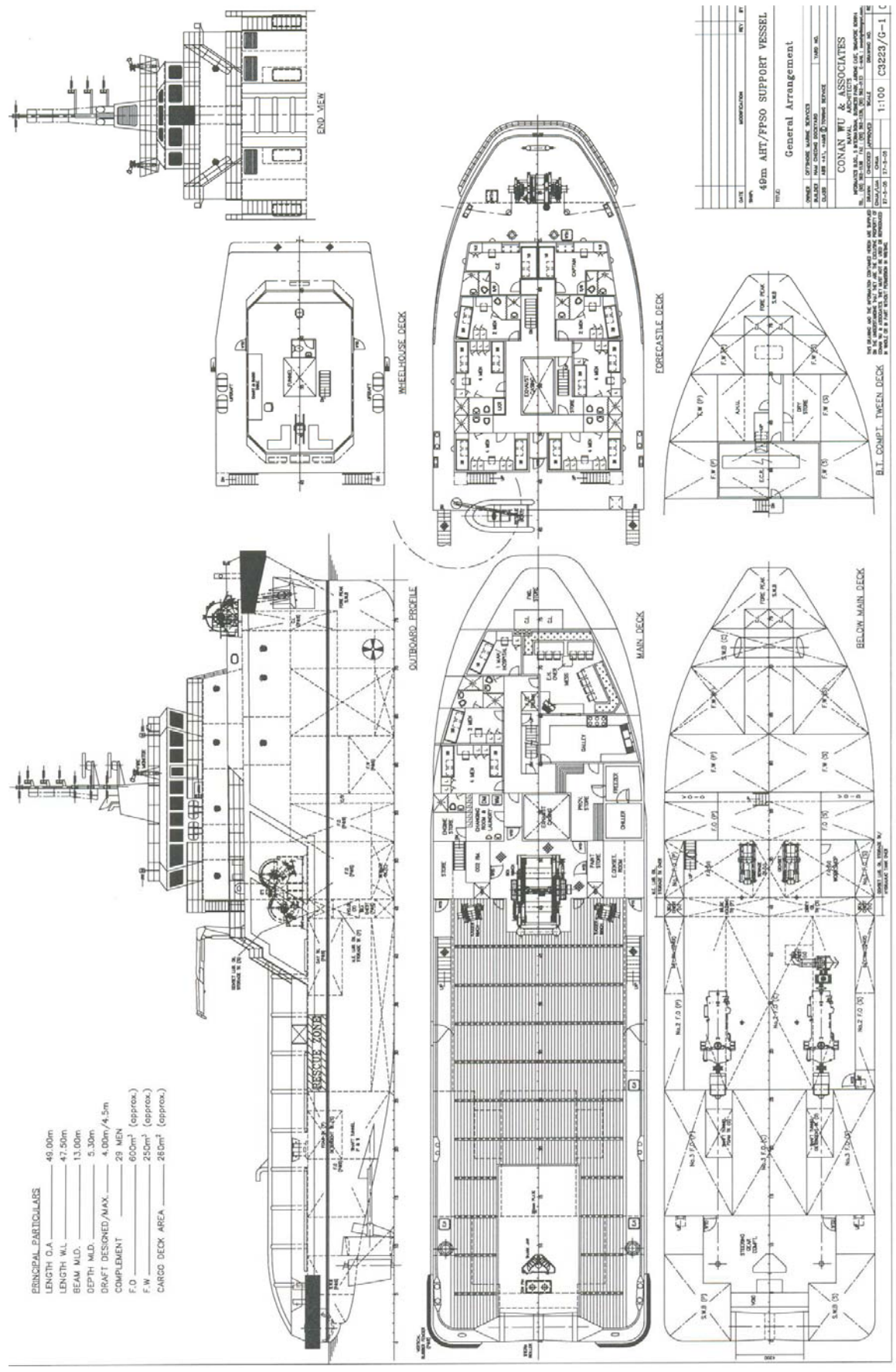
FIRE FIGHTING EQUIPMENT

Fire Pump	1 x 1500 m ³ /hr @ 14 bar, Hamworthy
Fire Monitor	2 x 600 m ³ /hr @ 12 bar,
Oil Dispersant System	Spray booms and detergent pump at 50 m ³ /hr @ 45 m total head
Full Flooding	CO2 system in engine room (Internal)

LIFE SAVING EQUIPMENT

Search Lights	2 x 2,000 W halogen tungsten lights
Floodlights	5 x 1,000 W orange lights
Liferafts	2 x 25 + 2 x 20 men inflatable type
Lifebuoys	10 pcs
Lifejackets	29 pcs
Workvest	6 pcs
Scrambling Net	2 pcs
Rescue Boat	1 x 6 men semi-rigid c/w O/B 40HP

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PRINCIPAL PARTICROSS
 LENGTH O.A. 49.00m
 LENGTH W.L. 47.50m
 BEAM M.L.D. 13.00m
 DEPTH M.L.D. 5.30m
 DRAFT DESIGNED/MAX. 4.00m/4.5m
 COMPLEMENT 29 MEN
 F.D. 600m² (approx.)
 F.W. 250m² (approx.)
 CARGO DECK AREA 285m² (approx.)

DATE	DESCRIPTION	REV.	BY

49m AHT/PPSO SUPPORT VESSEL
 General Arrangement

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