



DATA SHEET

AVATAR TRIUMPH

OVERVIEW

Avatar Courage is a multi-purpose DP2 Anchor Handling Tug Supply Vessel (AHTS).

KEY CAPABILITIES

Year built	2011
Class	ABS
Class notation	+I, +Hull, +MACH, Towing offshore support vessel / AHT / FIFI 1- Water Spraying, +AUT-UMS, +Dynafos - AM/AT-R, Unrestricted Navigation

MAIN CHARACTERISTICS

Length overall	76m	Breath Moulded	18.5m
Depth moulded	8m	Max draft	6m
Deck strength	7.5mt/m ²	Clear deck space	580m ²
Deck cargo	800mt	Deadweight	2900 Tones

PROPULSION MACHINERY

Main engines	2x MAK of 6030 BHP @ 600 rpm
Marine gearbox	2x Reintjes
Propulsion	2x Berg CPP package - 4 blades
Bow thruster	2x10 MT (1676 BHP) BERG 650kw, E-motor driven

Stern thruster	1x10 tones BERG 650kw, E-motor driven
Dynamic Positioning	DP2 type Kongberg

PERFORMANCE DATA

Horse power	2x 6030 BHP	Max bollard pull	160 tonnes
Service speed	10 kts	Total fuel use/ Generator	120 l/h
Total fuel use/ Max speed	1850 l/h		

TANK CAPACITIES

Fuel	1300 m ³	Fresh water	700 m ³
Drill water	900 m ³	Liquid mud	800 m ³
Dry bulk	310 m ³	Foam	10 m ³
Detergent	10 m ³	Base oil / Brine	140 m ³
Bilge Holding Tank	10 m ³	Dirty Bilge Tank	11 m ³

AUXILIARIES

2x CAT 425eKW each
 2x shaft generator of 2300KW each
 1x CAT 72KW emergency genset

ANCHOR

Anchor windlass One (1) unit electro-hydraulic anchor windlass mooring winch. The hydraulic will consist of two gypsies and two mooring drums. Both the gypsies and mooring drums will be operated by manual jaw clutches. It is driven by high torque low speed hydraulic motor through a single stage of spur gear reduction housed in totally enclosed oil-bath gearbox.

Anchor-handling / towing winch One (1) set electro-hydraulic low pressure double drum towing / anchor handling winch in waterfall arrangement.

DECK MACHINERY

2 sets electro-hydraulic capstan

2 sets electro-hydraulic Tugger winch

2 sets electro-hydraulic Storage Reel

1 set of KARM Fork and Towing Pins consisting of one set Towing pin dia 450mm with flaps for horizontal locking for ships with a bollard pull up to 300 ton.

Astern Roller of 4500mm long by Ø2300 / Ø2500 SWL 450 tons

1 set electro-hydraulic is to be installed

CARGO WATER PUMP DISCHARGE

Fuel 75m³/h at 60m head

Potable water 75m³/h at 60m head

Drill water 75m³/h at 60m head

INTERNAL EQUIPMENT

Accommodation Fully air-conditioned 46 berths.
6 x 1 berth cabin
20 x 2 berth cabins
1 sickbay
1 Prayer Room

NAVIGATION/COMMUNICATION EQUIPMENT

GMDSS Area 3

Radar 2x Furuno FR 1510

EPIRB (406MHz) 1x SARACOM EB-10

SART 2x Mc Murdo RT-9

GyroCompass 1x Gyrostar II

Echo sounder 1x Furuno FE 700

Navtex receiver 1x Furuno NX 500

Autopilot 1x Raytheon NP-60

Weather fax 1x Furuno FAX-207

Speed log 1x Furuno DS-80

GPS plotter 1x Furuno GP-90

FIRE FIGHTING & LIFE SAVING APPLIANCE

FIFI 1

Fire pumps 2x Hamworthy driven by M/E PTO each of 1500m³/h @ 14 bar

Fire monitor 2x 1200m³/h @ 14 bar

OTHER EQUIPMENT

Life rafts 6 x 25 men

Rescue boat 1x6 men rigid inflatable c/w davit & 40 HP outboard engine.

Compressor 1 x BA recharging compressor

Gas detectorsystem 5H₂S & Hydrocarbon sensors