

EQUIPMENT SHEET

SMIT SENTOSA
ANCHOR HANDLING TUG



CLASSIFICATION

ABS + A1 (E) Offshore Support Vessel + AMS (E)
Offshore FI-FI ONE, UWILD, (Anchor Handling & Towing Service)

FEATURES

Accommodation	24 persons
Cabins	4 x 1 single berth, 10 x 2 berth cabin
Life rafts	4 x 16 persons, 1 x 6 persons
FRC	13 man, diesel inboard engine, SOLAS approved
Dispersant system	2 x 6 m spray booms with dispersant pump
Freezer	8 m ³
Chiller	8 m ³

CARGO/TANKS CAPACITY

Deck area	200 m ²
Deck capacity	150 t
Fuel oil	735 m ³ , 1 x 100m ³ /hr @ 60 m head
Potable water	90 m ³ , 1 x 70m ³ /hr @ 60 m head
Water ballast	150 m ³
Foam	12 m ³
Detergent	12 m ³
Watermaker	5 t per day

MAIN DATA

Deadweight	925 t
Length overall	51.80 m
Breadth moulded	15.00 m
Depth moulded	6.50 m
Max draft moulded	6.20 m
Main Engines	Wartsila 8L26 2 x 3,650 bhp (2720KW)
Propellers	2 x CPP in Kort nozzles
Bow thruster	2 x 6 t thrust, CPP
Stern thruster	1 x 6 t thrust, CPP
Generators	2 x 420 kW & 1 x 300 kW
Emergency generator	1 x 72 kW
Shaft generator	2 x 1000 kW
Bollard Pull	99.5 t

FIRE FIGHTING

Class 1 with water spray	
Monitor	2 x Water/Foam – remote control
Water / Foam	2 x 1,200m ³ /hr
Pump capacity	2 x 1,500 m ³ /hr

NAVIGATION / COMMUNICATION EQUIPMENT

2 Radars	1 Gyrocompass
1 Magnetic compass	1 Azimuth circle
1 Speed log	1 GPS
1 Echo sounder	2 VHF
1 Navtex	3 VHF portable
GMDSS Area A1, A2, A3	1 Inmarsat C
Joystick fwd and aft maneuvering stations	1 AIS

TOWING AND ANCHOR HANDLING

AH towing winch	Rolls-Royce double drum reverse Waterfall with spooling device
Drum capacities	1200 m x 64 mm
Brake Holding	275 t
Line pull @ 1st layer	200 t @ 7m/min 100 t @ 13m/min

TOWING AND ANCHOR HANDLING (CONTINUED)

Storage Reels	3 x hydraulic 1000 m x 64 mm
Karm Fork	2 x 300 t SWL
Towing Pin	2 x Closed type
Stern roller	4.5 m x 2.0 m; SWL 300 t

DECK EQUIPMENT

Capstan	2 x 5 t @ 0 - 15m/min
Tugger winch	2 x 10 t @ 15m/min
Deck crane	Hydraulic telescopic crane Tech Crane TC60-56-100 (USA) 32.5 t @ 3 m outreach 11 t @ 10 m outreach 2.5 t @ 29 m outreach
Anchors	2 x HHP, AC-14, 1440 kg each
Anchor chain	2 x 14 lengths, 34 mm diameter

SIDE VIEW AND TOP VIEW

