



10880 BHP AHTS

PRODUCT DESCRIPTION

2007 Built in Singapore

10,880BHP AHTS

Construction

Completion Date: November 2007

Classification Society: CCS + TUG/OFFSHORE SUPPLY

SHIP/FIFI1/AH/DP-2

Principal Dimensions

Length Overall: 70 meters

Breadth (Moulded): 16.8 meters

Depth (Moulded): 7.5 meters

Draught (Moulded): 6.1 meters

Gross Tonnage: 2708

Net Tonnage: 812

Deadweight Tonnage: 2099.3

Lightweight: 2571.6

Cargo Tanks & Capacities

Deck Strength: 7.5 tons/m²

Deck Area: 450 m²

Deck Load Capacity: 800 tons

Fuel Oil Tank: 1238 m³

Fresh Water Tank: 420 m³

Ballast Water Tank: 1067 m³

Mud Tank: 650 m³

Base Oil Tank: 250 m³

Dry Bulk Cargo Tank: 260 m³

Chain Locker: 215 m³

Towing & Anchor Handling Equipment**

Bollard Pull: 143.4T @100% MCR

Towing Line Pull: 350T

Towing Winch: Brattvaag SL300-2T Two-Drum Winch





Towing Drum: 1,193m x 71mm Steel Wire Rope
Spare Drum (Port): 1,463m x 71mm Steel Wire Rope
Anchor Handling Drum: 478m x 71mm Steel Wire Rope
Braking Capacity: 450T (Remote Control from Aft Bridge)
Towing Hydraulic Pins: 2 Sets, Safe Working Load 300T
Shark Jaw: 650T
Aft Roller: Dual Roller Φ 2.5m, Length 5m

Discharge Rates

Fuel Oil: 1 x 200 m³/h
Fresh Water: 1 x 120 m³/h
Drilling Water: 1 x 150 m³/h
Mud: 1 x 75 m³/h
Brine: 1 x 75 m³/h
Base Oil: 1 x 60 m³/h
Sewage: 1 x 5 m³/h
Dry Bulk: 1 x 20 m³/h

Machinery & Equipment

Main Engines: Wärtsilä 5,430 HP x 2 (10,880 BHP, 8,000 kW)
Generators: 2 x 370 kW (Caterpillar)
Bow Thrusters: 2 x 680 kW x 10.5T
Stern Thruster: 1 x 680 kW x 10.5T
Steering Gear: Fixed Shaft, 2 x 45°
Main Propellers: 2 x Controllable Pitch Propellers with Fixed Nozzles
Rudder: Independently Suspended

Speed & Consumption

Maximum Speed: 14.0 knots (2 Engines)
Endurance Speed: 12.0 knots (2 Engines)
Fuel Consumption:
- 2 Engines @100% Load: 28.0 tons/day
- 2 Engines @Economical Load: 16.0 tons/day

Accommodation

Total Capacity: 52 Persons
- 10 x Single Cabins
- 8 x Double Cabins



- 2 x Triple Cabins
 - 5 x Quadruple Cabins
- (10 + 16 + 6 + 20 = 52)

Additional Equipment

Search & Rescue Zone: Port and Starboard Sides

Oil-Water Separator: 1 x 1 m³/h (MARPOL-compliant)

Sewage Treatment Plant: 1 x 40-person capacity/day

Anchor Winch: 15-ton load capacity @ 12 m/min

Anchor Handling Drums: 2 sets

Fore Anchors: High-holding power type, dual anchors (2
x 1,500 kg)

Anchor Chains:

- Port: 12 shots x Ø40mm
- Starboard: 12 shots x Ø40mm
- Grade U2 studded chain (port/starboard)

Towing Winches: 2 x 10 tons @ 15 m/min

Mooring Capstans: 2 x 10 tons @ 15 m/min

Towing Bollards (Forward): Safe working load 150 tons

Deck Crane (Hydraulic): Safe working load 2 tons, boom
length 12m

Telescopic Boom: 2 x telescopic

Firefighting Equipment

External:

- FiFi1 Class: 2 x 1,600 m³/h pumps
- Fire Monitors (Remote-Controlled): 120m range, 50m height

Internal:

- Emergency Fire Pump
- CO2 System in Engine Room
- Full-Ship Fire Detection & Alarm System
- Electric Air Compressor for Breathing Apparatus: 75 L/min @ 200 kPa

Safety & Lifesaving Equipment

- Searchlights: 2 x 500 W
- Floodlights: 3 x 1,000 W
- Life Rafts: 6 x 25-person capacity



- Lifebuoys: 8 (SOLAS-compliant)
- Life Jackets: 52
- Rescue Boat: 1 x RSQ 480 (6-person capacity)
- Firefighter Breathing Apparatus: 6 sets

Dynamic Positioning & Control Systems

Dynamic Positioning (DP) System: Kongsberg DP-2 Class

Joystick Control: Integrated DP/Joystick System

(Kongsberg)

Categories: [Supply Boats](#), [Tugboats](#)
