

Sohrab - Multicat



LIST OF EQUIPMENT

DIMENSIONS

LOA 30.00 m

Length WL 29.00 m

Breadth 12.00 m

Depth (MLD) 3.50 m

Draft (Design) 2.80 m

Frame spacing 500 mm

Deck strength

10 Tonnes/m² (frame 25 to 56)

Deck plate 16 mm

5 Tonnes/m² (frame 02 to 25)

Wooden sheet covered

Year Of build 2008

Classification

Bureau Veritas 1 + HULL * MACH

Tropical zone A2

PROPULSION SYSTEM

Main Engines

Caterpillar **3412** Marine propulsion Engine

Rated "B" at **720 bhp @ 1800 rpm**

Total horsepower: **1440 bhp**

Keel cooled type

Main engines controls Kobelt twin stations electronic engine control system

Steering System Kobelt

Rudders Aerofoil type built by the shipyard.

Gearboxes

Reverse reduction gearbox type **Reintjes WAF 364L**

Reduction Ratio: **4.92:1**

2 Units

Diameter 66" Inches fixed pitch propellers in Kort nozzles

AUXILIARY EQUIPMENT

Main Generators

2 x Caterpillar x **C4.4** / 86KW

1 x **3056 T** / 84 KW Marine Gensets

Keel cooled, electric motor start for stand

50 Hz/1500 rpm/ 380V/3phase

Total power: **256 KW working in parallel**

CAPACITIES

Fresh water 140 m³ (approx)

FO 120 m³ (approx)

Deck space approx 160 m²

PERFORMANCE

Speed 10.00 knots

Bollard pull 17 Tonnes continuous

PUMP & DISCHARGE CAPACITIES

1. **F.W. Hydrophone (Make – AZCUE), 3 m³/hr @ 25m head, 1.5 kW; 1450 rpm (with 200L tank),**
2. **S.W. Hydrophone (Make – AZCUE), 3 m³/hr @ 25m head, 1.5 kW; 1450 rpm (with 200L tank)**
3. **Sewage Pump (Make – AZCUE), 5 m³/hr @ 15m head, 1.5 kW; 2900 rpm**
4. **Fuel oil transfer pump (Make – AZCUE), 10 m³/hr @ 25m head, 2.2 kW; 2900 rpm**
5. **Bilge pump (Make – AZCUE), 25 m³/hr @ 30m head, 5.5 kW; 2900 rpm**
6. **Fire pump (Make – AZCUE), 25 m³/hr @ 30m head, 5.5 kW; 2900 rpm**
7. **Fresh water cargo pump (Make – Desmi), 120 m³/hr @ 25m head, 15 kW; 2900 rpm**
8. **Diesel cargo pump (Make – Desmi), 120 m³/hr @ 25m head, 15 kW; 2900 rpm**
9. **Emergency Fire pump (Make – Desmi), 20 m³/hr @ 30m head, 3600 rpm; 4-stroke HATZ diesel engine of 5kW**

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DECK MACHINERIES

Crane (1)

Heila pedestal knuckle boom crane **HLRM 200-4SL**

22.50 Tonnes @ 07.76 m

17.40 Tonnes @ 09.92 m

09.00 Tonnes @16.31 m

Main Winch 80T

Hydraulic Power pack Combined power pack for the crane & winch

Tugger winch 8 Tonnes

Capstain 10 Tonnes

Towing hook 20 Tonnes SWL

Anchor winch/Windlass 1 x Model AW/G-22mm U2 / 2.1 T @ 10 m/min

Bow/roller as per GA

Push Bow as per the GA

ACCOMMODATION & EXTRA EQUIPMENT

1. Fully Air conditioned Wheelhouse, galley, dining and living spaces for 8–10 persons
2. Seawater cooled A/C system. With the optional heating facility
3. Insulation of accommodation is with Isolamin rockwool sandwiched panels as per Class rules
4. 1 store accessible from the main deck via water tight flush hatch
5. All tanks are epoxy coated (Jotun paint system)
Vessels four corners are protected by vertical type rubber keyhole fender SQK 350, Size 350 mm W x 350 mm H with 150 mm dia centre hole x 900 mm long
6. Connection of the main deck to the side shell is rounded in order to avoid damages to the rubber hoses
7. Sewage Treatment plant fitted
8. Oily water separator fitted
9. Fixed CO2 system for the engine room fitted.