



RASTAR 3800 is a 100t terminal/
Escort tug .

MAIN CHARACTERISTICS

Length overall:38.00 m.
Beam overall (incl. rubber fender):14.50 m.
Depth main deck midship?.....6.27 m.
Draft:4.30 m.
Bow hawser pull ahead:100 m.t.
Bow hawser pull astern:95 m.t.
GRT: (approx).....800

REGISTRATION

Type:Double Azimuth Stern Driven Offshore Tug.

PERFORMANCE

Rated speed:13.5 knots.

ACCOMMODATION

- Accommodation for 10 persons composed of:
 - 2 cabins with 1 berth.
 - 4 cabins with 2 berths.
- 1 Mess/day room, 1 watch room, laundry, galley, stores.
- Fully air-conditioned.

PROPULSION - MACHINERY

- **Main diesel engines:** 2x 2,970 kW (3,983 hp), MAK 9M25.
- **Propellers:** 2x 3,400 mm diam in Z-drive nozzles, Schottel SRP 3030 type.
- **Bow thruster:** Tunnel type, FPP, hydraulic motor driven, (minimum) 224 kW fully variable speed. Thrustmaster 42 TT 300 L.
- **Auxiliary generators:** 2x 250 kW mini, 480 V/60 Hz.
- **Emergency generator:** 1x 83 kW, 480 V/60 Hz.

TOWING & DECK EQUIPMENT

Main deck:

- 1 Hydraulic drum AHT winch,
 - Line pull (1 st layer):80 t @ 0-5 m/min.
 - Brake hold (1 st layer):150 t.
 - Wire capacity: 750 m, diam. 52 mm steel wire rope.

Forecastle deck:

- 1 Hydraulic double drum windlass hawser winch.. (independently clutched and driven drums)
 - Line pull (1st layer):50 t @ 0-20 m/min.
 - Brake hold (1st layer): :250 t.
 - Rope capacity : 300 m of 64 mm diam. + 150 m of synthetic hawser, 80 mm diam on each drum.
- **Anchor windlass:** brake holding load 18 tons, 0-15 m/min. Chain cable: 330 m of 26 mm/U2 grade galva.
- **Tugger winches:** 1x10 ton line pull.
- **Towing pins:** 1 pair 200 tons SWL hydraulic remote controlled.
- **Gob eye:** 1x 100 tons SWL, flush mounted.
- **Stern roller:** 2,000 mm length x 1,000/850 mm diam, 95 tons SWL.
- **Towing hook:** 100 tons remote released.
- **Deck crane:** 1x 6.5 tons @ 7.90 m (offshore condition).
- **Fenders:** Bow, cylindrical 450 mm upper, W block fenders 400 mm. Side, "D" rubber fenders 350 x 350 mm. Stern, "W" 400 mm thick.
- **Deck fittings:** 10 x 10 tons SWL.

FIRE-FIGHTING SYSTEM CLASS FI-FI I

- Fire-fighting pumps: 2 x 1,365 m³/hr @ 14 bar each.
- Monitors: 2x 1,200 m³/hr. each.
- Water throw height: 45 m.
- Foam throw height: 50 m, 300 m³/hr
- Deluge system: self protecting water spray system.

LIFE SAVING EQUIPMENT

- Rescue zone on each side.
- 1 rescue boat (solas) 4.20 m (6 person capacity) with davit.
- 4x 10 man liferafts Viking with equipment, .

CARGO CAPACITIES

Free cargo deck space:105 m².
Cargo deck strength:5 t/m².
Fuel oil:316 m³.
Potable water:109 m³.
Water ballast:134 m³.
Foam:20 m³.
Dispersant:(on deck).

PUMPS

Fuel oil pump:50 m³/h at 3 bar.
Bilge pump:32 m³/h at 4 bar.
Fire/ballast/general service pump:2x 38.5 m³/h at 4 bar.
Emergency fire pump:1x 32 m³/h at 4 bar.

ELECTRONICS

- 1 Autopilot, 1 magnetic and 1 gyro compass.
- 1 Wind speed, 1 depth sounder.
- 2 complete radar sets with inter switching, interface with AIS. (1 with ARPA system + 1 GPS).
- GPS/WAAS chart plotter.
- GMDSS (A3) complete.
- 2 VHF.
- 1 Inmarsat system, fleet 77, ISDN Numeris.
- 2 SART.
- 1 Navtex.
- AIS, SSAS system in accordance with ISPS rules.
- Loudhailer/talkback system.
- CCTV system.
- LAN system.

All particulars believed to be correct but not guaranteed.