

140t BP DP2 Anchor Handling Tug Supply Vessel



Classification

Class Notation	DNV-GL +1A1 Fire fighter(I) Tug DK(+) DPS(2) E0 HL(2.5) SF
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Dimensions

Length (LOA)	68.95 m
Beam	15.5 m
Summer Draft	6.0 m
Deadweight @ Summer Draft	2351 t
GT	2327

Deck Capacities

Deck Load Capacity	800 t
Deck Strength	5 t/m ² - General deck 10 t/m ² - Aft AH deck
Free Deck Area	471 m ²
Length x Width	36.8 x 12.8 m

Tank Capacities

NLS	See brine/mud
Brine / Mud	459 m ³ Brine (Multi usage tanks) 439 m ³ Mud (Multi usage tanks, dedicated 293 m ³)
Drill / Ballast Water	101 m ³ (dedicated) 1060 m ³ (Multi usage tanks)
Dry Bulk	224 m ³ (in 4 tanks)
Fresh Water	448 m ³ (dedicated) 947 m ³ (Multi usage tanks)
Fuel Dedicated	797 m ³
Fuel Total	797 m ³ (dedicated)
Tank Capacities Details	Refer to Tank Capacities Table
Drilling Brine	See brine/mud
Ballast Water	101 m ³ (dedicated) 1060 m ³ (Multi usage tanks)
Drill Water	101 m ³ (dedicated) 1060 m ³ (Multi usage tanks)

Propulsion / Bollard Pull

Main Engines	2 x Bergen BRM9 each 3975 kW = 7950 kW (10657 bHP) 2 x CPP propellers in KORT nozzles, with Hi-lift flap rudders
Thrusters	2 x RRM bow thruster each 590 kW / 791 bHP 1 x RRM stern thruster each 590 kW / 791 bHP

Deck Equipment

Towing / Working W inch	1 x Tow w inch 300 t 1st layer @ 0-7.0 m /m in Wire capacity 1500 m of 76 mm dia.
Anchor Handling W inch	2 x AH w inch each 300 t 1st layer @ 0-7.0 m /m in Wire capacity 1200 m of 76 mm dia.
Chain Lockers	1 x 195 m ³ Chain capacity of: 2400 m 76 mm chain or 2000 m 84 mm chain
Towing Pins	4 x for ships with BP up to 240 t
Shark Jaws	2 x for wire/chain with MBL up to 500 t
Stern Roller	RRM single drum with diameter 2.4 m x length 5.0 m @ 450 t SW L
Capstans	2 x RRM 8.5 t @ 0-20 m /m in
Tugger Winches	2 x RRM 10 t @ 0-38 m /m in Storage capacity 100 m of 19 mm dia. Wire
Provision Crane	1 x electric hydraulic knuckle boom Capacity 5 t @ 10 m , 3 t @ 15 m
Chain Gypsies	2 x 76 mm + 2 x 84 mm

Performance & Economy

Bollard Pull	140 t at 100% MCR
Economical Speed	Approx. 10 m ³ /day @ 7 kts (1 ME)
Approx. 15 m ³ /day @ 10 kts (2 MEs)	
DP<20%	Approx. 11 m ³ /day
DP>35%	Approx. 15 m ³ /day

Standby in Field	Approx. 5.1 m ³ /day @ 1-4kts 1 ME Approx. 9.1 m ³ /day @ 1-4kts 2 Mes
Standby in Port	Approx. 1.2 m ³ /day
Note	Performance & Economy figures given at mean vessel draft of 5.5 m (1900 t Deadweight) & Beaufort Scale 2
Dynamic Positioning System	
Type	GE Energy C-Series DPS-21 Duplex DP System with RRM Poscon Independent Joystick System
Reference System s	2 x Sonardyne HPR prepared 2 x Veripos DGPS 1 x Cyscan Guidance 1 x Fanbeam
Motion Reference Units	3 x Gyro Tokyo Keiki 2 x Wind Sensors 2 x VRU TTS DMS / SMC
Rescue Boat	
1. 1 x Maritime Partner MP660 Springer, 10 person, SOLAS approved FRB with inboard diesel waterjet.	
Accommodation	
Person Capacity	Total 30 10 x 1m an cabin 4 x 2m an cabins (Including hospital) 3 x 4m an cabins