

MT "ROTTERDAM" – 167 ton bollard pull



GENERAL

Name	:	Rotterdam (former names SmitWijs Rotterdam and Smit Rotterdam)
Call sign.	:	PHPO
Flag	:	Dutch
Port of Registry	:	Rotterdam
Built	:	1975, Hardinxveld-Giessendam, Netherlands
Class	:	Lloyd's 100 A1 TUG, Ice class 3

DIMENSIONS

Length Overall	:	74,83m
Length B.P.P.	:	65,00m
Breadth Overall	:	15,68m
Breadth Moulded	:	15,30m
Depth	:	7,60m
Draft at summer	:	6,79m
Gross Tonnage	:	2.708 tons
Nett Tonnage	:	812 tons
Lightweight	:	2.797 tons
Deadweight	:	2.034 tons
Displacement	:	4.831 tons (at summer draft)

CAPACITIES

Bunkers	:	at 93% 1580 cbm IFO 1.580 and at 90% 265 cbm MGO
Potable Water	:	133 cubic meters
Distillation Plant	:	6 cubic meters per day



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MAIN ENGINES (2)

Make	:	SWD -Netherlands
Type	:	9 TM 410
BHP	:	13.500
Propellers	:	Two C.P. propellers in kort nozzles
Bollard Pull	:	167 tons
Bowthruster	:	650 HP

NAVIGATION EQUIPMENT

Gyro and Magnetic compass connected to one autopilot and both radars
Two GPS navigator, weather facsimile, etc.

COMMUNICATION EQUIPMENT

Full GMDSS radio system for safety
Satcom B for telephony, telex and Facsimile
Satcom C telex only and MF/HF radio for telephony
GSM and Iridium telephone
Several fixed and portable VHF sets

TOWING WINCHES AND GEAR

Winches	:	2 main towing winches with 1400m x 74mm diameter steel wire for instant use
Brake	:	300 tons
Pull	:	80 tons at 15m/min
Spare	:	Spare tow wire on storage winch in hold

THIRD TOWING/STRETCHER WINCH

Winch in use for handling "nylon" stretcher and light tows
Brake : 160 tons
Pull : 21 tons at 11 m/min

DECK EQUIPMENT

1 crane on forecastle deck for handling stores and salvage gear from and to forward holds with capacity of 2 tons at 12 m
2 cranes on Port and S.B boat deck aft. Capacity: 3/6 tons at 12 m/6 reach, for handling 33 HP inboard diesel powered PVC work boats and towage/salvage gear aft deck
1 capstan with pull of 8 tons by 14 m/min on work deck aft
2 snubbing winches on forward part of aft deck with capacity of 14 tons at 16 m/min
4 Hydraulic operated towing pins on the stern
2 bow anchors 3500 Kg each are operated by windlass with capstans with nominal load 20 tons, stall 40 tons
Anchor chain with diameter 54 mm, with length 270/290 meters



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FIREFIGHTING

2 monitors on top deck wheel house for water with pump of 400 ton/hour with 14 bars

ACCOMODATION

Standard safety equipment on board for 25 persons (15 crew and 10 passengers)

Total bunks 31

Vessels carry extensive range of spare towage gear

Above information is believed to be correct but is subject to changes without notice

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