

MT "SINGAPORE" - 189 ton bollard pull



GENERAL

Name	:	Singapore (former names SmitWijs Singapore and Smit Singapore)
Call sign.	:	PHHB
Flag	:	Dutch
Port of Registry	:	Rotterdam
Built	:	1984, Delfzijl, The Netherlands
Class	:	Lloyd's 100 A1 TUG, Ice class 3

DIMENSIONS

Length Overall	:	75,32m
Length B.P.P.	:	65,00m
Breadth Overall	:	15,68m
Breadth Moulded	:	15,30m
Depth	:	7,60m
Draft at summer	:	6,80m
Gross Tonnage	:	2.673 tons
Nett Tonnage	:	802 tons
Lightweight	:	2.833 tons
Deadweight	:	1.985 tons
Displacement	:	4.819 tons (at summer draft)

CAPACITIES

Bunkers	:	2.101 cubic meters
Potable Water	:	90 cubic meters
Distillation Plant	:	8 cubic meters per day
Deck Cargo	:	260 tons



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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	:	189 tons
Bowthruster	:	800 HP

NAVIGATION EQUIPMENT

Gyro and Magnetic compass connected to two autopilots and both radars
GPS navigator, weather facsimile, etc.

COMMUNICATION EQUIPMENT

Full GMDSS radio system for safety
Fleet F77 for telephony, telex and Facsimile
Satcom C telex only and MF/HF radio for telephony
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
Stalling	:	150 tons
Brake	:	390 tons
Pull	:	80 tons at 15m/min
Spare	:	Spare tow wire on storage winch in hold

ANCHOR HANDLING WINCH

Stalling	:	200 tons
Brake	:	250 tons
Pull low gear	:	100 tons at 6 m/min
Pull high gear	:	80 tons at 12 m/min
Slack rope speed	:	15 and 30 m/min

Winch also in use for special tows and handling "nylon" stretchers

DECK EQUIPMENT

1 crane on forecastle deck for handling stores and salvage gear from and to forward holds with capacity of 2/4 tons at 12 m/6m

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

2 capstans 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



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4 Hydraulic operated towing pins on the stern

2 “Pool” bow anchors 2.800 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

FIREFIGHTING

2 monitors on top deck wheel house for water/foam with pump of 600 ton/hour with 16 bars

Foam compound tank of 8,5 tons with pump and fixed lines to monitors

On boat deck 2 fire stations with 6 pieces 2,5” Storz

Outfit includes 2 portable monitors, 180 cbm/hour

ACCOMODATION

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

Total bunks 41

Vessels carry extensive range of spare towage gear

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

