

# 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*

### **SVITZER Ocean Towage BV**

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