

# KANTI



## TECHNICAL SPECIFICATION

Type of vessel	: Tractor Tug
Classification Society	: Indian Register of Shipping
Class Notation	: ㄣSUL, TUG "Coastal Service" ㄣ IY
I.R. No.	: 16683
Year Built	: 1998
Builder	: Bharati Shipyards Pvt. Ltd., Mumbai, India.
Yard No.	: V/263
Call Sign	: VTXH
Official No.	: 2733
IMO Number	: 9146508
MMSI Number	: 419007200
Port of Registry	: Mumbai
Flag	: Indian

### Dimensions

Length Overall	: 31.00 m
Breadth, moulded	: 9.60 m
Draft, designed (mld./ext.)	: 3.90 m / 4.80 m
GT/NT	: 290/87
DWT at assigned draft	: 134.5 T

### Machinery

Main Engines	: 2 x Ulstein Bergen KRMB-6, 1790 BHP @ 900 RPM each, Total 3580 BHP
Propulsion Units	: 2 x Aquamaster US 1701/3000 Azimuthing Units
Generators	: 2 x 60 KW Diesel Generators driven by Cummins 6BT5.9 GIM 115 HP @ 1500 RPM, 3 ph/415 V/50 Hz

### Fuel Consumption & Speed

At 100 % MCR	: 13.0 T/day @ 12 knots
At 85 % MCR	: 9.65 T/day @ 11 knots
At Service Speed	: 7 T/day @ 10 knots
Speed	: 12 Knots (max.)
Type of Fuel	: HFHSD (Marine Gas Oil)

### Towing Winch / Hook

Bollard Pull	: 47.2 Tons @ 100% MCR
Towing Winch	: Brusselle Marine Industries
Line Pull	: Nominal Pull of 60/30 kN @ 24.5 / 49 m/min.
Max. Stall	: 70 kN
Brake Capacity	: 900 kN
Warping Head	: Nominal Pull : 74/37 kN @ 19.6/39.2 m/min.
Drum Capacity	: 300 m steel wire dia 44 mm x 8 layers
Tow Hook	: 45 Tons SWL quick release type
Control	: Local & Wheelhouse

### Capacities

Fuel Oil	:	80 m3
Ballast Water	:	55 m3
Potable Water	:	35 m3
Lub Oil	:	4.3 m3
Foam Tank	:	9.55 m3
Bilge Holding Tank	:	2 x 2.5 m3

### External Fire Fighting

Pump	:	1 x main engine driven Stork HGT 45 F-20 Pump, Capacity 600 m3 / hr
Monitors	:	1 x Counterfire fixed electrical monitor mounted on mast for water & foam remotely operated from wheelhouse

### Anchor & Mooring

Anchors	:	2 x 590 Kgs
Cables	:	2 x 137.5 m Chain Cable of 17.5 mm dia, U2 Grade
Anchor Windlass	:	Bhawani Engg. Works (Electric - 5.5 KW) with 2 cable lifters and 2 warping drums

Adequate Bits	:	Provided
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### Accommodation

Certified Accommodation	:	7 persons
Cabins	:	1 x Single berth 1 x Double berth 1 x 4 Crew Fully Air-conditioned

### Navigation & Communication

Radars	:	1 x X Band Furuno FR 1931 Mk 2
GPS	:	1 x Furuno GP 50 Mark 3
Echo Sounder	:	1 x JRC, JFE-582
Magnetic Compass	:	1 x Cassen & Plath GmbH
Navtex Receiver	:	1 x SAIT NAV 5
SSB	:	SAIT TRP 8251
VHF	:	2 x Sailor RT 2048
DSC	:	1x Sailor RM 2042
Inmarsat Mini-M	:	Thrane & Thrane
Automatic Identification System	:	1 x Class B Transponder, S 287, Sevenstar Electronics Ltd, UK

### Fire Fighting & Life Saving Appliances

:	:	As per SOLAS
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### Miscellaneous

Accommodation and bridge installed on anti-vibration mounts, eliminating vibration even at max. power. All round unrestricted clear view from wheelhouse. Engine Exhaust at bulwark level.

### Polution Control Equipment

Oil Dispersant Equipment	:	2 x SS Portable boom (5 m long) fitted with down spray nozzles.
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