



18m. / 30 t. TUGBOAT

Purpose / Description: The TS 18/30 is a proven terminal tugboat. They are very manoeuvrable and versatile ship-assist tugs designed for operations in confined harbours to provide a cost effective, high-performance works. The tug can be configured as a day-boat or with full accommodation.

Specifications:

Length (LOA)	:	18.30 metres
Beam (moulded)	:	7.40 metres
Depth to main deck (moulded)	:	3.00 metres
Draft (maximum)	:	3.00 metres
Displacement tonnage	:	165.00 tons

Classification Society and Certificates:

Bureau Veritas
I + HULL + MACH, TUG, COASTAL AREA
or equivalent ABS, LR, RINA or DnV

Propulsion and Main Engine:

2 x 1100 hp diesel engine at 1800rpm	CAT 3508-B
2 x Gearbox (reduction ratio abt 5,0 :1)	REINJETs WAF-562
2 x Kaplan type FPP	dia abt 1600 mm
2 x Kort Nozzle with multi-rudder	

Auxiliary engines :

1 x 38 kW diesel generators (380V / 50 Hz)	CAT or PERKINs
--	----------------

Speed, Performance & Range:

Speed (%90MCR)	:	11.00 knots
Bollard pull (at zero speed)	:	30.0 tonnes
Range (at service speed)	:	450 n. miles

Tank Capacities:

Fuel	:	16000 litres
Freshwater	:	3000 litres
Foam capacity	:	1500 litres
Clean Oil	:	300 litres
Hydraulic Oil	:	150 litres
Dirty oil and oily water	:	1700 litres
Seawage	:	2000 litres

Deck Equipment:

Hydraulic anchor windlass with capstain		
Hydraulic capstain	:	1 x 5,0 tonnes
Towing hook radial type with aut. release	:	1 x 45,0 t
6 twin mooring bollards		
Forward and aft towing bollards		
Mooring chocks		

Others :

M-Engines are 24DC battery start & aut-charge		
Shore connection with auto-battery charging		
Jel type batteries sets (for M/Es, serv, gen)	:	4 groups
Service air compressors with rev tank, dryer	:	1 set 8 bar

External Fire Fighting Equipment :

Main engine driven fire pump	:	1 x 600 cbm/h 10 bar
Foam & water monitor	:	2 x 300 cbm/h (remote)

Fender System :

Fendering to be heavy duty tire on bow and sides to midship, "D" type rubber on sheer and "W" on aft.

Accommodation:

1 x single cabin for officer
1 x cabin for 4 persons
Wheelhouse (360 deg visibility)
Daily living room with TV
Galley
WC and shower facility
Heating or cooling via A/C in all areas

Navigation Equipment:

Radar 48 nmiles (combined with Chartplotter and GPS)
Gyro compass (non-IMO) (*)
Magnetic Compass
dGPS & Plotter
Autopilot (*)
Echo sounder
SART, EPIRP
2 x Searchlight 500w (remote)
Navigation lights
Horn / Siren

Communication Equipment:

VHF / FM (DSC) 25w
AIS , Navtex
2 handy VHF-GMDSS radio 1w
Intercom
CCTV

Life Saving Appliances:

1 x 8 capacity inflatable life rafts
Life jackets and buoys
Fixed CO2 system for Engineerroom

General Specifications:

Transverse system welded steel hull construction
One continuous decks
High seaworthiness and manoeuvrability
Ergonomic and comfortable internal layout
360 visibility at wheelhouse
All navigation and illumination is 24 DC volt

(*) OPTIONAL



www.duzgit.com