



# Tugboat - 27m

## Specifications

### GENERAL

Classifications	BKIRINA
Type	Twin Screw Tug
Main Engine	2x 1100 HP
Materials	ABS GRA
GRT / NR	207 / 63
Bollard Pull	20 T
Design speed	12 Knots @ 100% MCR

### DIMENSIONS

Length Over All	27.00M
Breath Moulded	8.20M
Depth Moulded	4.00M
Design Draft	3.00M
Complement	12 Men

### TANK CAPACITY

Fresh Water tank cap	43m <sup>3</sup>
Ballast Tank	20.7m <sup>3</sup>
Fuel Oil tank capacity	129.8 m <sup>3</sup>
Dirty Oil Tank	5.5m <sup>3</sup>
Sewage	3m <sup>3</sup>

### DECK LAYOUT

Anchor	2 x 300 Kgs Stockless
Anchor chain	Diameter 19 mm x 247.5 meter
Winch	ROTOR Type TA/12m-4-B5 ECHTOP
	Hydraulic Double Gypsy
Fendering	Tyre fender, Half Pipe Fender

### SAFETY EQUIPMENT

Windows & Scuttles	Marine windows & Scuttles
Safety equipment	According to class and government requirement
Fire fighting equipment	Fire alarm
	Gas detector
	PA system
	Tank level alarm
	Portable fire extinguisher
	Fire hydrant

### PROPULSION SYSTEM

Main Engine	YANMAR-6EY-17W/837KW/1450 RPM x 2
Gearbox	YANMAR (Kanzaki) YXH – 500L /RATIO: 4.96 x 2
Generator	YAMAGEN - YTG75TLV-OM x 2
	52KW/65 kva/1500RPM/380/220V/50Hz/3PH
Gear	1 Electro hydraulic steering gear 2 x 4 TM
Rudder	Steel 2 sets
Shafting & Sterntub	2 x 8" dia. Stainless steel shaft c/w standart accessories
Propeller	Four bladed fixed pitch -Mikado

### AUXILIARY EQUIPMENT

Navigation equipment	Complete set
Communication equipment	Complete set
Fresh Water Pump	Davey Model XP350p8C,RPM 2850/220-250V/2.8A/50Hz/ CAP 100L/M HEAD 12.5
Pump GS	EBARA PUMP; Model 65 x 50 FSHA; 300 1/m Head 50m (7.5 KW/380V/415V/2900RPM/50Hz/14.4/-8.29)
Bilge Pump	EBARA Pump ; Mdoel 50 x 40 FSHA; Cap 200 1/m Head 40m (3.75KW/220V/380V/285RPM/50Hz/12.7A)
Pump BBM	Model GL -32-5; Type; Capacity :85/711/Min/ Speed ; 1720 /1450RPM
Oil Water Seperator	15p.pm, ZHP -CYF -0.25m3/h

\* The above calculation are only preliminary design information.  
 \* Image shown for reference purpose.

# General Arrangement

