



# SAPANGAR SHIPYARD SDN BHD (Company No.565077-W)

SITE OFFICE: 2½ Miles, Jalan Kastam Baru, Lahad Datu, Sabah, Malaysia.  
HEAD OFFICE: Lot 1-5, 1<sup>st</sup> Floor, Bangunan Fordeco, Jalan Singamata, P.O.Box 60006, 91110 Lahad Datu, Sabah, Malaysia.  
KK OFFICE: K-63-3<sup>rd</sup> Floor, Signature Office, KK Time Square, Off Coastal Highway, 88100 Kota Kinabalu, Sabah, Malaysia.

TEL: 089-887688 FAX: 089887353  
TEL: 089-881188 FAX: 089-882399  
TEL: 088-486 555 FAX: 088-486 777

## 30M T.S.TUG

### PRINCIPAL PARTICULAR

Length Overall	: 30.780 M
Length BP	: 28.082 M
Beam Moulded	: 9.000 M
Depth Moulded	: 4.650 M
Draft Moulded	: 3.68 M
GRT/NRT	: 287/87
Trial Speed	: 11 knots (Free Running)
Year of Completion	: 2011
Class Notation	: NS*TUG

### MACHINERY

Main Engine	: 2 x Mitsubishi S6R2 MTK 32
Gear Box	: 2 x Hitachi Nico(Ratio 5.92 : 1 )
Propeller	: 2 x Fixed Pitch propellers (FPP)
Generator	: 2 x 35kw,415v/3p/50hz

### ACCOMODATION

1 X 8men Cabin	: 8 men
2X 1men Cabin	: 2 men
1 X 2men Cabin	: 2 men
<b>Total</b>	<b>: 12 men</b>

### NAVIGATION EQUIPMENT

Eco Sounder	: 1 set
GPS	: 1 set
Magnetic Compass	: 1 unit
MF/HF Radio	
telephone	: 1 set
VHF Radio tel	: 1 set
SART	: 1 set
EPIRB	: 1 set
Navtex Receiver	: 1 set
VHF Radio Portable	: 2 set

### CARGO CAPACITY

Fuel Oil	: 268.88m <sup>3</sup>
Fresh Water	: 26.18m <sup>3</sup>

### DISCHARGE RATES

Bilge & Ballast Water	: 30m <sup>3</sup> /hr@30m head
G.S & Fire Pump	: 30m <sup>3</sup> /hr@30m head
Fuel Oil Transfer	: 8m <sup>3</sup> /hr@15m head

### SUPPLY & DRAINAGE PLANT

Oily Bilge Water Separator	: 0.50m <sup>3</sup> / H
Electric Water Heater	: Joven Water Heater
Sewage Treatment Plant	: 15 men

### DECK EQUIPMENT

Anchor Windlass	: Hydraulic Electric 22m c/w 2 warping drum's
Anchor	: 2 x 520kg Stockless Anchor
Towing Hook	: 1 x 30ton
Anchor Chain	: 247.5M

### FIRE FIGHTING SYSTEM

Fire Detection & General	
Alarm System	: 1 shipset
Fire Extinguisher	: 8 x 9 litre ABC Dry Powder
	: 1 x 45 litre FOAM
Emergency Fire Pump	
(Portable )	: 1 unit

### LIFE SAVING EQUIPMENT

Life Raft	: 2 x 15 men
Life Buoy	: 8
Lifejackets	: 16
First Aid Kit	: 1 set



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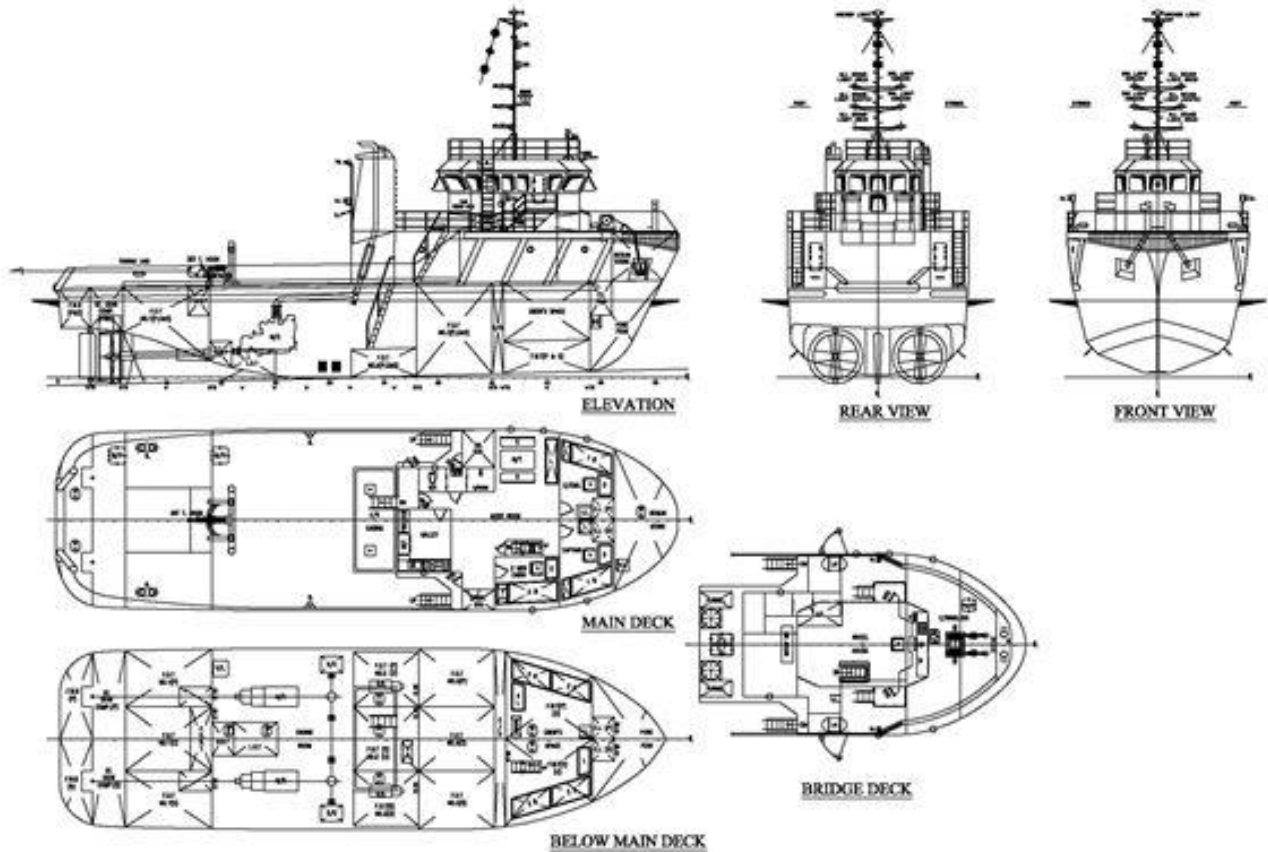
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KK



Existing Progress