



31M TOWING TUG

PRINCIPAL PARTICULARS

Classification	→ BV
Length overall (Mld hull)	→ 31.00 M(approx.)
Length p.p.	→ 28.30 M
Breadth moulded	→ 10.00 M
Depth moulded	→ 4.65 M
Draft moulded (design)/Max	→ 3.2 0M
Draft (scantling)	→ 4.2075 M
Height from B.L. to radar mast top	→ abt.18.92m

MAIN MACHINERIES

Main Engines	→ ZIBO(CHINA), LB6250ZLCZ-9 2x 1103KW 750rpm.
Gear box	→ CGC39.41 2.469:1
Couplings	→ Supplied with gearbox
Propeller	→ 2 x Fixed pitch type
Main air compressor	→ 2X E.V.2-stage 20m ³ /H,3Mpa
Generator sets	→ 2X A.C.400V,90KW 1500r/min, 400V/50Hz * 3ph.
Steering gear	→ CFYD-1-30/28,30KN

CAPACITY

Freshwater, total	→ 70 M ³ (approx)
Fuel Oil, total	→ 180M ³ (approx)

DISCHARGE RATES

Bilge & general service Pump	→ 36M ³ /H,2950r/min *30m Head * 1set
Fire & general service Pump	→ 36M ³ /H,2950r/min * 30m Head,1set
Air conditioner cooling Pump	→ 5 0M ³ /H,2950r/min * 25m Head,1set
Main engine S.W. stand by Pump	→ 60 M ³ /H * 2950r/min * 21m Head,1set
M/E FWcooling stand by Pump	→ 60M ³ /H * 2950r/min * 21m,Head,1set
Chain locker injection Pump	→ 5M ³ /H, * 3.6M ³ /H,0.08MPA,1set
M/E L.O. standby Pump	→ 40M ³ /H,960r /min * 0.6Mpa * Head * 1set
G/B L.O. standby Pump	→ 7.5M ³ /H,1450r/min * 2.5mpa * Head 1set
M.D.Otransfer Pump	→ 3.3M³/H, 1450r/min * 0.33mpa * Head * 1set
Diety oil Pump	→ 3.3M ³ /H,1450r/min * 0.33mpa * Head * 1set
Hand Pump	→ 1.2M ³ /H,50/min *25m Head *4set

DECK MACHINERIES

Towing winch	→ 20 T, with drum cap. 750m X 40 dia. Brake holding cap. 40 T
Anchor windlass	→ 15.3kn * 6m/min *

ACCOMMODATION

Single berth	→ 2 Room
Double berth	→ 2 Room
Four men berth	→ 1 Room
Total Complement	→ 10 men

NAVIGATION & COMMUNICATION EQUIPMENT

1 MF/HF SSB Radio telephone (JRC) JSB-196GM
1 Inmarsat-c(JRC) JUE-85
2 VHF radio (JRC) JHS-770S
1 RADAR (JRC) JMA-5212-6 25kw
1 NAVTEX receiver (JRC) NCR-333
1 GPS (JRC) JLR-7500
1 AIS (JRC) JHS-182
1 ECHO SOUNDER (JRC) JFE-380
1 Eledtromagnetic log (YOKOGAWA) EML500
1 Reflection compass (JRC) MR-150A
1 EPRIB (UK) E5
3 Two way VHF radio (MCMURDO) R2
2 SART (MCMURDO) S4

FIRE FIGHTING EQUIPMENT

Hose box with spray/JET type nozzle	→ 4sets
Fire Hydrant	→ 4sets
Fire locker	→ 2 sets
Powder fire extinguisher	→ 9 X 5Kg
Journey foam Extinguisher	→ 1 X 45 Ltr
Portable foam Fire Extinguishers	→ 1 X20 Ltr
CO2 Extinguisher	→ 4x5kg
Portable foam spray gun	→ 1set

LIFE SAVING EQUIPMENT

First aid box	→ first aid box of approx 600mmx400mmx400mm
Life rafts	→ 2sets * 15 persons
Life buoys	→ 8 sets lifebuoys to be supplied
Life jackets	→ 14 sets * YB
Pyrotechnics	→ 1set line throwing apparatus 12sets parachute distress rockets 2sets orange smoke signals
Life saving signal box	→ 1set
Parachute signal for ships	→ 12sets * HGS 40-30000



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