



CRANE BARGE

Specifications

GENERAL

Model	Crane Barge
Classification	ABS
Gross Tonnage	2500
Classification	ABS A1 Barge (Unmanned) with descriptive notation "Crane Barge"
Deck Load	10.0 tons per m ²
Complement	21 Persons

SAFETY EQUIPMENT

Windows & Scuttles	Marine windows & Scuttles
Safety equipment	According to class and government requirement
Fire fighting equipment	CO2 system
	Fire alarm
	Gas detector
	PA system
	Tank level alarm
	Portable fire extinguisher
	Fire hydrant

DIMENSIONS

Length Over All	68.40M
Breadth Moulded	24M
Depth Moulded	4.8M

PUMP EQUIPMENT

Bilge /Fire /G.S /Ballast Pump	2 x Taiko EHS-130 MDT /18,5KW/60m ³ /hr at 38m head
FW Transfer	1 x Taiko TMS-65MCT/7,5KW /20m ³ /hr at 25m head
FW/SW Pressure Set	2 x Taiko TMS-40MA /2,2KW /3,2m ³ /hr at 28m head
FO Transfer	1 x Taiko NHG-20MA /5,5KW /20m ³ /hr at 25m head
FO Serv. & Trans	1 x Taiko NHG-3 /1,5KW /3m ³ /hr at 15m head
Dirty Oil Transfer	1 x Taiko NHG-5 /1,5Kw /5m ³ /hr at 15m head

TANK CAPACITY

Fuel Oil	4 x 90 m ³
Freshwater	4 x 145m ³
Freshwater/Seawater	2400 m ³
Sewage	5 m ³
Dirty Oil	5 m ³
Lube Oil	1m ³
Hydraulic Oil	1m ³

AUXILIARY EQUIPMENT

Navigation equipment	Complete set
Communication equip.	Complete set
OWS	0.5 m ³ / bar
Purifier	1000litre /hr capacity

DECK LAYOUT

Anchor	1 x 2100 Kgs Stockless Bower Tyre
Anchor chain	220m x 40mm, Grade 2
Anchor Windlass	1x Single gypsy, rating 6,8 tonnes
	Pull at 10m /min
Mooring Winch	4 x Single drum capacity 200m x 48mm
	PP ropes with rating 8 tonnes at 15m /min

MACHINERY SYSTEM

Main Generator	3 X YANMAR 6EY22ALW , 1300 kW / 1625 kVA @900 RPM (Synchronized Operation)
Harbour Generator	1X YANMAR 6CHL-HTNA , 107 ekW @1800 RPM, 440 V, 60 Hz
Emergency Generator Set	1X YANMAR 6CHL-HTNA , 54.4 ekW @1800 RPM, 440 V, 60 Hz

CRANE EQUIPMENT

Machinery	MACGREGOR Deck Unit; K5036 -4HD; 2024, 440V/60Hz
Load/Last	Radius: 7M-36M Grab 40T / Cargo 52.5T

* The above calculation are only preliminary design information.

* Image shown for reference purpose.