



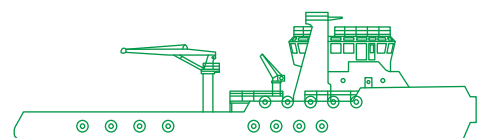
مبارك البحرية
Mubarak Marine



Captain Rolando

Multipurpose offshore tug

At 48 m in length, this multipurpose tug holds a crew of up to 32, and packs a bollard pull of over 45 tons. Ideal for towage, anchor handling and firefighting duties, and for supporting offshore construction and diving projects.



Registration

Year of build	2000
Builder	President Marine Pte Ltd
Port of registry	Kingstown
Flag	St. Vincent and The Grenadines
Official number	11720
Call sign	J8B5247
IMO number	9206358
Class	Bureau Veritas
BV registry number	00778X
Class notation	I + HULL + MACH tug deep sea
Operator	Mubarak Marine LLC

Dimensions

Length overall	48 m
Length BP	46 m
Breadth moulded	13 m
Depth moulded	5.8 m
Draft designed	4.8 m

Machinery/propulsion

Main engines	2x 1350 bhp @1000 rpm, Wartsila 6L20
Generators	1x diesel main generator 250kw 415v 3Ph 50hz, 2x shaft alternators each 350kw 415v 3Ph 50hz, 1x emergency generators 85kw 415v 3Ph 50hz
Propeller	2x CPP in nozzles x3 m diameter
Bow thruster	1x 250kw @3.8 t (38 kn) thrust

Tonnage

GRT	874 t
NRT	262 t
Deadweight	893 t

Performance

Maximum speed	13 knots
Bollard pull	45.1 mt
Clear deck area	22 m x 12 m = 264 m ²

Accommodation

1 person cabin	x2 = 2
2 person cabin	x7 = 14
4 person cabin	x4 = 16
Total	32 berths

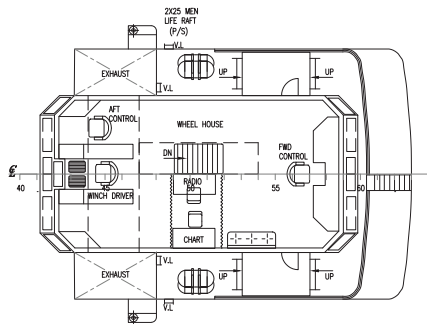
Deck equipment

Towing/anchor handling Winch	Electro-hydraulic waterfall double drum Brake holding capacity @100 t
Towing wires	2x 1000 m 42 mm diameter FSWR wires
Anchor handling wire	300 m x 48 mm diameter FSWR work wire
Tugger winch	2x electro-hydraulic winches x5 t each
Capstan	2x electro-hydraulic winches x3 t each
Stern roller	SWL 60 t 3.5 m x 1.5 m
Anchor windlass	Electro-hydraulic 5 t
Deck crane	2.0 t @9 m, hydraulic operated telescopic
Cargo fuel pump	30 m ³ /hr at 50 m head, 50 m ³ /hr at 30 m head
Reefer points	4x AC 414V, 3 phase, 50Hz, 32Amp, 4x AC 220V, 3 phase, 50Hz, 32Amp

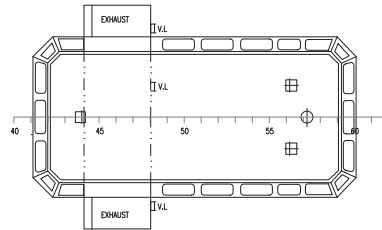
Capacities

Fuel oil	654 m ³
Fresh water	262 m ³
Foam	8.4 m ³
Oil dispersant	6.4 m ³
Oil spill recovery tank (Included in fuel capacity)	95 m ³

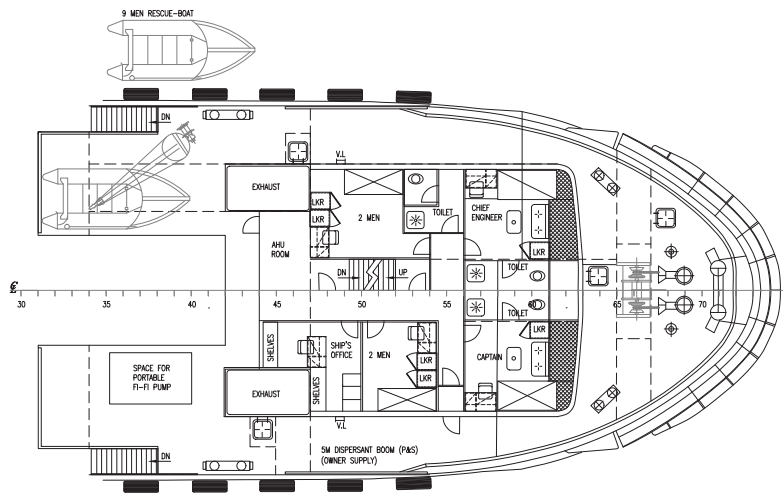




Bridge deck



Wheelhouse top



Main deck plan