



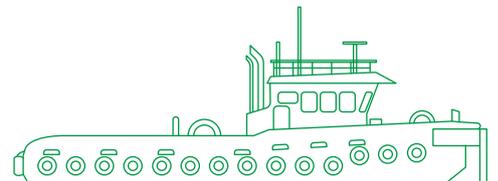
مبارك البحرية
Mubarak Marine



Mubarak 241

27 t BP Coastal tug

At close to 25m in length overall, this highly manoeuvrable coastal tug packs 27 tons of bollard pull and is powered by two marine diesel engines with an output of 2000 bhp.



Registration

Year of build	2024
Port of registry	Abu Dhabi
Flag	UAE
Official number	00110011
Call sign	A6E2049
Class	Bureau Veritas
Class notation	I hull, •mach, tug, coastal area
Builder	Dubai Shipbuilding & Engineering LLC
Operator	Mubarak Marine LLC
BP	27 t

Dimensions

Displacement	323.9 mt
Length overall	24.6 m
Length between perpendiculars	22.6 m
Breadth moulded	8.5 m
Depth moulded	4 m
Max draft	2.75 m

Machinery/propulsion

Main engines	2x Weichai 8170ZC1000-5
Horsepower	2000 hp (1470kw) @ 1500 rpm
Main generator	3x Weichai CCFJ75J-W, 75 eKW @1500 rpm each
Steering gear	Twin rudder – electro-hydraulic power steering system
Propellers	2x fixed pitch machine finished high skewed Kaplan propellers with Kort nozzles
GT	182 t
NT	54 t
Bow thruster	2x 15kw, 48V DC tunnel thrusters with 340 kg thrust force each
Sewage treatment plant	Suitable for black and grey water treatment for 12 persons

Performance

Full speed	10 knots, F.O. consumption 24/hrs 3.2 m ³
Eco speed	5 knots, F.O. consumption 24/hrs 1.7 m ³

Capacities

Fuel oil	78 m ³
Fresh water	23.5 m ³
Hydraulic oil	0.70 m ³
Waste water	0.90 m ³

Clear deck area

Deck area	61.5 m ²
Deck strength	2.5 t/m ²

Pump capacities

Bilge	15 m ³ /hr @ 35 m head
Fire main	22 m ³ /hr @ 35 m head
Fuel oil	8 m ³ /hr @ 33 m head
Emergency sewage discharge	2.5 m ³ /hr @ 30 m head

Deck equipment

AHT winch with double drum	
Towing drum	500 m x 33 mm diameter wire rope 67.5 t brake holding power
Anchor handling drum	500 m x 33 mm diameter wire rope 67.5 t brake holding power
Towing hook	50 t
Anchor windlass	20.5 mm diameter chain, 2x 480 kg anchor pool N type HHP Mooring drum: 150 m x 76 mm diameter PP rope, 40 t brake holding power
Chain stopper	Stainless steel SUS316
Tugger winch	5 t @ 15 m/min
Hydraulic power unit	2x 30kw electric motor driven hydraulic oil pump with oil reservoir and heat exchanger
Deck crane	OUCO— knuckle boom crane, 5 t @7.5 m aft lifting, 1.9 t @7.5 m side lifting

Accommodation

Captain's room	1 bunk + 1 pullman bed
4-crew cabin	4 bunks
2-crew cabin	2 bunks + 1 pullman bed
Total	9 persons

Navigation/communication equipment

Magnetic compass	Autonatic/CHE-0073 deck mounted
GPS navigator	NSR/NGR 3000
Search light	TG27-A
BNWAS	NSR/NBW 1000
Eco sounder	HONDEX/HE 881
Auto pilot	SAURA/SA 10
Radar chart plotter	SIMRAD/R2009
SART	JOTRON/TRON SART 20
Navtex	JRC/NCR333
Navtex printer	NSR/NPT100
VHF	SAMYUNGENC/STR-6000A
AIS	JOTRON/TR-8000
Radar	SIMRAD/HALO 24
Radar display	SIMRAD/NSS12 EVO3S
Talk back system	PONTECH CIS 3101
Navigation lights	SIMRAD/R2009
