

M.V. Mutawa - 402 AHTS/Supply Vessel-DP2



Principal Particulars

Call Sign	A6E2254
Year Built	2015
Place Built	Guangzhou Hangtong Shipbuilding And Shipping Co. Ltd. China
Classification Society	DNVGL
Class Notation	DNVGL+A1 (E) Offshore support + AMS, DPS-2, SPS
Flag	UAE
Port of Registry	Abu Dhabi
GRT / NRT / DWT	2044 T / 638 / 1700 T
Operational Draft	4.2 m
Max. Displacement	3587 T
Speed	13.0 knots @ 4.2 m Draft
Bollard Pull	80 T

Dimensions

Length	65.00 m
Breadth	15.80 m
Depth (Design)	6.50 m
Design Draft	5.20 m

Deck and Cargo Capacity

Clear Deck Space	450 m ²
Deck Cargo/ Loading	600 T/ 7 T/m ²
Fuel Oil	582 m ³
Fresh Water	375 m ³
Drill water/water Ballast	820 m ³
Foam	14.3 m ³
Detergent	14.3 m ³
Mud/Brine	400 m ³
Cement Tanks	4 x 42.5 m ³

Communication Equipment

GMDSS	A1+A2+A3 Furuno
Inmarsat C	1 x Furuno
VHF Radios	2 x Furuno
EPIRB	1 x Mcurdo
SART	2 x Mcurdo
PA System	1 Phone Tech, Vingtor
Intercom	1
Fax/Internet, Mobile Phone:	yes

Nautical Equipment

Radars	1 x X-Band & 1 x S-Band (Furuno)
Auto Pilot	1 set (Anschutz)
Gyro Compass	1 set
Echo Sounder	1 x set (Furuno)
Magnetic Compass	1 x set (Lilley & Gillie)
Navtex Receiver	1 x SET
GPS	1 x Furuno
Dopplar Speed Log	1 x Furuno
Search Light	2 x 2000W

Machinery

Main Engines	2 x 2400 kW; MAK 8M25C
Propellers	Controlled Pitch rudder Propeller (BERG BAT 730)
Transverse Bow thruster	2 x 12 T, Electrical, CPP
Auxiliary Engines	3 x 450 kw, 415V, 3 Ph, 50 Hz, CAT C18
Shaft Generator	2 x 1230 kW 415V, 3 Ph, 50 Hz
Emergency Generator	1 x 136 kW, diesel driven
Bow Thruster	2 x 12 T, Electrical, CPP

Pumps

Fuel Pump	2 x 150 m ³ / Hr. @ 75 M head
Fresh Water Pump	1 x 100 m ³ / Hr. @ 75 M Head
Drill water cargo Pump	1 x 100 m ³ / Hr. @ 75 M head
Mud Pump	2 x 75 m ³ / Hr. @ 75 M head
Emergency Fire Pump	Centrifugal, 35 m ³ /h at 5.0 bar head

Accommodation (Fully Air-conditioned)

4 x One (1) Man Cabins	= 4 men
6 x 2 Two(2) Man Cabins	= 12 men
8 x 4 Four (4) Man Cabins	= 32 men
Total	= 48 men)
1 x Hospital	= 1 man

Sewage Treatment for 48 persons

Fresh water maker	capacity 5 tonnes/day
Oily Bilge Water Separator	1 x 1.0 m ³ /hr as per MARPOL

Safety & Fire fighting Equipment

(to Classification and SOLAS Standards)

Fi-Fi 1, Pump	2 x 1400 m ³ / hr , 110 MLC
Fire Monitor	2 X 1200 m ³ / hr. @ 12 bar
Fire Extinguishers	as per Class Requirements
Life Rafts	6 sets x 25 persons
Rescue Boat	FRP rescue boat, diesel, capacity 6 persons

Fixed Fire / Detection System : Fixed H₂S detection

Chiller & Freezer 20 m³ (approx.)

Deck Equipment

1 x Anchor Handling Winch,	150 Tons S.W.L. Double Drum Brake holding 250 tonnes
1 x 15 T @ 3 m radius, 2 T @ 16.2 m SWL	
2 x 10 Ton Electro-Hydraulic Tugger Winch @ 15m/min.	
1 x 5 Ton Electro-Hydraulic Anchor Windlass @ 12m/min	With 2 cable lifters & 2 warping drums
2 x 5 Ton Electro-Hydraulic Capstans, @ 15m/min	
Two (2) high-hold type anchors each x 1305 kg, Anchor chain	total length 440 m x 40 mm and two (2) chain stoppers.
Shark Jaw and Towing pins: 200 tonnes Hyd. operated type.	
Stern roller	: 1 8 m diameter x 5 m long with SWL 200 Tonnes

DP Equipment: Kongsberg

DP Class-2 Eqpt. With independent joystick system with following references: 2 x DGPS, 1 x Laser reference system

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