

# Mermaid

SUBSEA SERVICES



## **MERMAID CHALLENGER**

**OFFSHORE SUPPORT VESSEL**

The M.V "Mermaid Challenger" is a DP1 offshore support vessel with 70-tonne bollard-pull capacity, and is also suitable for performing ROV support vessel duties. This vessel can be equipped with heavy work-class ROVs and has accommodation for 38 personnel.

The M.v "Mermaid Challenger" is under the DNV classification society, and flying a Panama Flag.

### **Mermaid Subsea Services**

The vision of Mermaid Maritime Ltd. to integrate all of its wholly owned subsidiaries into a single subsea business unit in order to provide its clients, present and future, with a turn-key Subsea Services solution is now a reality. The newly formed business unit incorporates:

- Mermaid Offshore Services;
- Seascope Surveys;
- Subtech Group; and
- Zamil Mermaid Offshore Services.

### **CONTACT US**

Tel: + 974 4442 8230 | Fax: +974 4442 8236  
[www.mermaidsubsea.com](http://www.mermaidsubsea.com) | [info@mermaidsubsea.com](mailto:info@mermaidsubsea.com)

3rd Floor, Sh. Jassim Bin Jaber Al-Thani Building,  
Abdullah Bin Jassim Street, Doha, Qatar

P.O. Box 11575 Doha, Qatar

# MERMAID CHALLENGER

## OFFSHORE SUPPORT VESSEL

### DIMENSIONS

Length Overall	60.5 m
LBP	58.7 m
Breadth Moulded	16.0 m
Depth Moulded	6.0 m
Min/Max Draft	4.2/5.1 m
GRT/NRT	1854 / 557
Summer DWT	1554.22
Lightship	1781.84

### MACHINERY

Main Propulsion	2 x 2400Kw MAK 8M25 Engines CPP
Bow Thruster	1 x Retractable Azimuth Type UI1201 CP 13 ton Thrust
Stern Thruster	1 x Tunnel type TT 1300 Dpn 6.4 Ton Thrust
Generators	2 x 370Kw Caterpillars
Emergency Control System	1 x 60Kw Caterpillar Kongsberg C JOY & C POS

### CAPACITIES

Fuel Oil	600 m3 1 x 100 m3 / hr @ 60m
Fresh Water	480 m3 1 x 60 m3 / hr @ 60m
Drill water Ballast	250 m3 1 x 100 m3 / hr @ 60m
Chemical Cont.	239 m3 2 x 100 m3 / hr @ 60m
Clear Deck Area	336 m3 2 x 100 m3 / hr @ 60m 420 m2 5 Tons / m2 loading

### ELECTRONICS

Radars (2)	JRC JMA 5310-6 & JMA 5104
Gyro Compass (4)	Yokogawa CMZ 700B
Echo Sounder	JRC JFE 582
AIS JRC	JRC
Doppler log	JRC JLN 205

### COMMUNICATIONS

GMDSS	Sea area A3 JRC 250 W
VHF (2)	2 x JRC 25/1 watt
Computer Network	Multiple user shipwide
Internal Communications	Seamate ATE
SAT COM	JRC INMARSAT- F Fleet F77 mobile
Internet/email	VSAT KU band 128/128

### EXTERNAL FIFI

Remote monitors	2 x 1500 m3/h bridge control
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### REGISTRATION

Built	2008 Unithai, Thailand
Port of Registry	Panama
IMO No.	9383637
Call Sign	3EQW5
Class	DNV + 1A1 supply vessel basic Fi-Fi 1, DYNPOS-AUT
Owners / Operators	Mermaid Offshore Services Ltd.

### DECK MACHINERY

Main Crane Capacity	Plimsol HTC 400-08215 8 ton @10.5 meters, 3 ton @ 21.5m
Main Towing winch	RR Brattvaag 152 ton @ 11 m/min, 90 tons @ 18 m/min, 37 tons @ 36 m/min Wire capacity 2x 1200m, 58mm
Windlass	1xRR Brattvaag 10 ton@13.8 m/min
Capstans (Aft)	2 x RR Brattvaag 5 ton @ 25 m/min
Tugger winches	2 x RR Brattvaag 10 ton@28 m/min
Storage Reel	1 x RR Brattvaag 10 ton @19m/min
Shark Jaw/Tow pins	RR SWL 350 Tons
Work Air Comp	6m3 @ 8 bar to max 20 bar

### ACCOMMODATION

Cabins / Berths	Total 38 berths 6 x 1 berth 2 x 2 berth 7 x 4 Berth 3 berth
Hospital	8 persons
Meeting Room	Galley, mess room, dayroom
Other	

### MISCELLANEOUS

Liferaft	6 x 20 persons
Fast Rescue boat	15 persons, 25 knots diesel/waterjet
Fixed Fi Fi	CO2
Portable Fi Fi	CO2/Foam/Dry Powder

### MISCELLANEOUS

Speed	13.8kts
Bollard Pull	74T

### VESSEL CREW

Total	18
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The technical specifications presented within this document are subject to change without prior notification. The information presented within this document are believed to be correct, but no guarantees of accuracy can be given.