



TAN CANG OFFSHORE SERVICES JSC.

Vessel Specification



TC MERMAID

Technical Specification

OSV Vessel : 6,500 HP
DP1
Bollard Pull: 74 MT

“Our success is driven by the customers”

MAIN PARTICULARS

GENERAL

Year of delivery	2008
Call sign	3EQW5
IMO	9383637
Place Built	Unithai, Thailand
Flag	Panama
Class/Notation	DNV + 1A1 supply vessel basic Fi-Fi 1, DYNPOS-AUT
GRT/NRT	1854 T / 557 T
PERFORMANCE	
Service Speed	7.5 knots
Max Speed	13.8 knots

PRINCIPAL DIMENSIONS

Length Overall	60.50 m
Breadth Moulded	16.00 m
Depth Moulded	6.50 m
Max Draft	4.2/5.1 m

CARGO CAPACITIES

Deadweight	1554.22 T
Lightship	1781.84
Deck Load	5 MT/ m2
Clear Deck Area	420 m2

TANK CAPACITIES

Fuel Oil	600.0 m3
Fresh Water	488.0 m3
Drill Water	250.0 m3
Chemical	239.0 m3 (total)
Cont	336 m3 (total)

DISCHARGING RATES

Fuel Oil	100 m3/hr @ 80m
Fresh Water	60 m3/hr @ 80m
Drill Water	100 m3/hr @ 80m
Chemical	100 m3/hr @ 80m
Cont	100 m3/hr @ 80m

Technical parameters are subject to change without notice

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MACHINERIES

➔ PROPULSION SYSTEM

Main Engines	2 x 2400Kw MAK 8M25 Engines CPP
Main Generators	2 x 370Kw Caterpillars
Emergency Generators	1 x 60Kw Caterpillar
Stern Thruster	1 x Tunnel type TT 1300 Dpn 6.4 Ton Thrust
Bow Thruster	1 x Retractable Azimuth Type UI1201 CP 13 ton Thrust
Bollard Pull	74 MT

➔ DECK EQUIPMENT

Deck Crane	Plimsol HTC 400-08215
	8 ton @10.5 meters, 3 ton @ 21.5m
Towing/AH winch	RR Brattvaag 152 ton @ 11 m/min, 90 tons @ 18 m/min, 37 tons @ 36 m/min Wire capacity
Towing Wire	2x 1200m, 58mm
Windlass	1xRR Brattvaag 10 ton@13.8 m/min
Towing Pin	200T
Shark Jaw	RR SWL 350 Tons
Tugger winches	2 x RR Brattvaag 10 ton@28 m/min
Capstan	2 x RR Brattvaag 5 ton @ 25 m/min

➔ ACCOMMODATION

Berths total	38
	6 x 1 berth
	2 x 2 berth
	7 x 4 Berth

Meeting room	Meeting room
Hospital	Hospital
Other	Other

➔ NAVIGATION AND COMMUNICATION EQUIPMENT

Radars (2)	JRC JMA 5310-6 & JMA 5104
Gyro Compass (4)	Yokogawa CMZ 700B
Echo Sounder	JRC JFE 582
AIS JRC	JRC
Doppler Io	JRC JLN 205
GMDSS	Sea area A3 JRC 250 W
VHF (2)	2 xJRC 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

➔ MISCELLANEOUS

Remote monitors	External 2 x 1500 m3/h bridge control
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

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