

Topaz Tangaroa and Topaz Tiamat

98 M - DP2 - Multipurpose Field and ROV Support Vessel

Vessel Specifications



Vessel Specifications

Registration

Year built / builder	2017, Vard Design AS, Norway
Flag / Port registry	Marshall Islands / Majuro
Class	DNV-GL
Class notations	✕1A1, E0, DYNPOS-AUTR, DK (+), HELDK, SF, CLEAN DESIGN, CRANE, NAUT-AW, Comf-V (3)-C (3), BWM-T, SPS
IMO no / Call sign	9792527 / LAZV7

Dimensions

Length overall	98.1 m
Breadth	20 m
Depth	8.5 m
Draft	6.0 m
Deadweight	3000 t

Machinery

Main propulsion principle	Thruster propulsion - electric
Main propulsion	4000kW (5360bhp) - 2 x Azipull Thrusters 2000kW each Make: RRM,
Main engines	Caterpillar 5 nos. 2 x 2250ekW=4500ekW 2 x 910ekW=1820ekW 1 x 1700ekW
Emergency generators	Caterpillar 1 x 260 kW, 690 V, 60 Hz, 3 Ph
Bow thruster	2 x Tunnel CPP Thrusters 1650kW each Make: RRM 1 x Retractable azimuth FP thruster 1500 kW Make: RRM
Fresh water maker	1 x 25 t per day

Cargo capacities and rates

Fuel oil	1600 m ³ / 100 m ³ /hr
Fresh water	600 m ³ / 2 x 75 m ³ /hr @ 2 bar
Drill/Ballast water	1840 m ³ / 2 x 150 m ³ /hour @ 4 bar
MEG	400 m ³ / 2 x 75 m ³ /h - 3 bar
Oil recovery	1012 m ³ / 1 x 0 - 250 m ³ /hr @ 9 bar
Cargo deck area	1000 m ² (55.5m x 18m)
Deck cargo capacity	1400t @ 10 t/m ²

Offshore sub-sea crane

Model	McGregor 120 Active Heave Compensation Offshore Knuckle Jib Crane with main winch on crane
Type	HMC 3568LKO 250-32 (1200-12) AHC 3000m
Max. hook travelling length	3000m
Max hook height	39.5m above main deck
Wire	dia. 68mm, weight dry/wet - 22.60/19.6 kg/m
Lifting capacity	SWL 25t at 32m outreach, SWL 120t at 13m outreach
Hoisting speed	0-60 t - 0-60m/min, 60-120 t - 0-30 m/min
Slewing angle	360 degrees unlimited
Whip winch	wire length - 3000m, SWL-20t, hoisting speed - 80m/min
Personal lift	1.5t

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Deck machinery and mooring equipment

Anchors	2 x Stockless bow anchors "Spek" type. Weight according to class requirements
Anchor Chain	Stud link anchor chain with dimension and lengths according to class requirements
Anchor windlass	2 x 10t Electric driven combined windlass / mooring winches
Capstans	2 x 10t
Tugger winches	2 x 15t
Helideck	aluminum, dia. 22m, 12.8t
ROV facilities	ROV hangar for 2xWROV ROV mechanical workshop ROV online room, ROV offline room, data room/survey room
Moonpool	7.2m x 7.2m
Deck/provisional crane	Electro-Hydraulic crane SWL 3t @ 15m

Performance

Economical speed	8 knots / 8.5 m ³ /d fuel consumption
Full speed	14 knots / 16.3 m ³ /d fuel consumption
DP Mode	4.5 – 8.5 m ³ /d fuel consumption
St-by Port/Anchorage	2.5 m ³ /d fuel consumption

Navigation and Communication equipment

GMDSS	Area 3 - Furuno
DP System	DP Class II with all necessary equipment and reference system
Inmarsat C	Furuno Felcom 12
VSAT system	Caprock with 4 telephone lines - Aberdeen numbers with dedicated client email, bandwidth - 1 MB

Emergency Rescue and lifesaving equipment

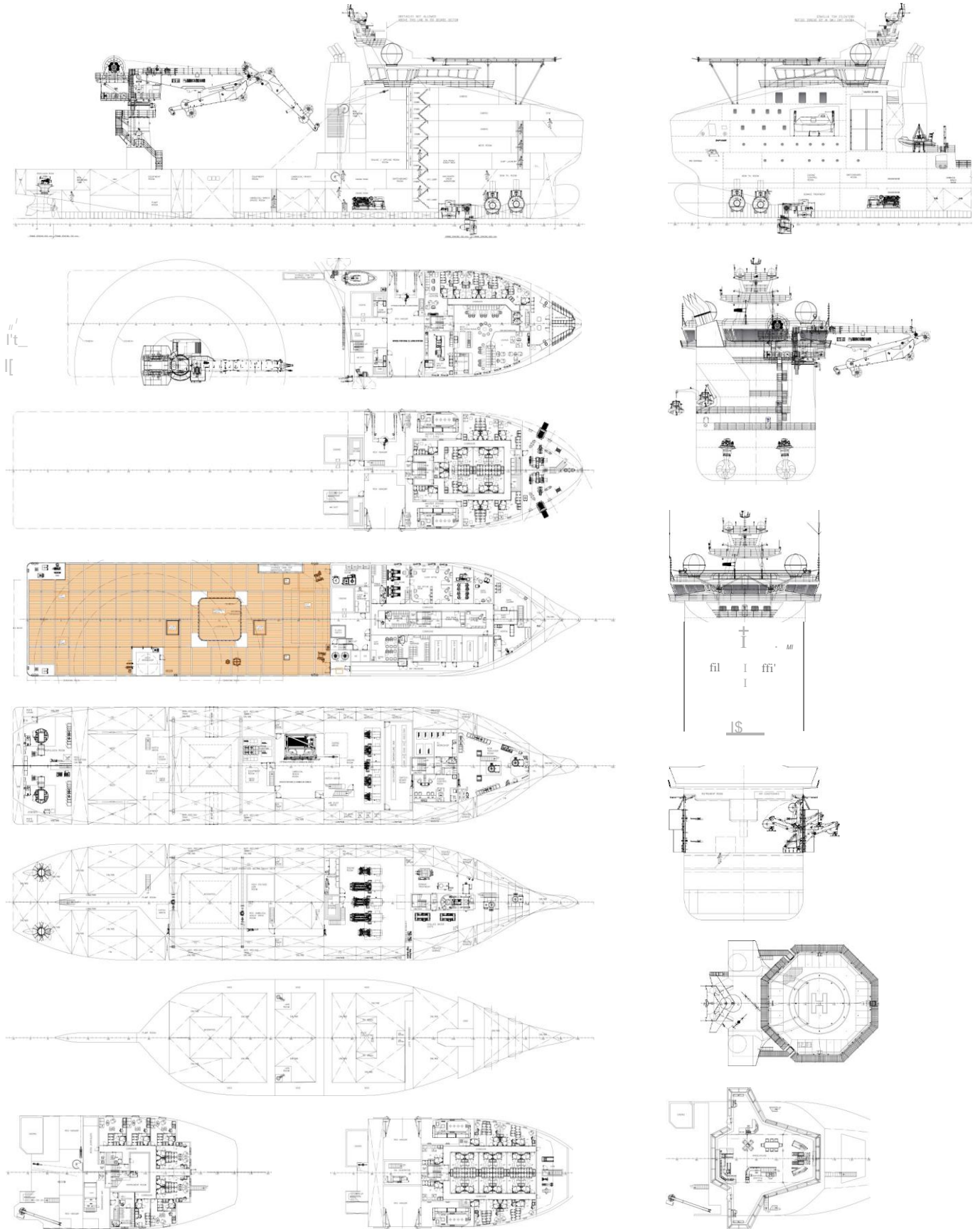
Fast Rescue boat	1 x 15 Person Make: Harding
Rescue boat	2
Life rafts, Life buoys, Life jackets and Immersion suits as per SOLAS standards	

Accommodation (82 bunks)

Cabins	total 54, 26 x 1 berth cabins, 28 x 2 berth cabins
Offices	2
Conference room	1
Lounge	1
Gym	1
Hospital	1 x Fixed bed, 1 x Pullman bed

All cabins fully air conditioned and c/w attached toilets

GA Plan



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