

DINA STAR

VESSEL SPECIFICATION SHEET



KEY VESSEL FEATURES

Dina Star is a modern and flexible Multipurpose Offshore Vessel built on the MT 6015 design and delivered in 2013.

The vessel joined DeepOcean's Fleet in 2015 and has since gained a large track record including general IMR services, light construction work, well stimulation and survey works. Given its large deck and tank capacities, the vessel can also serve as a PSV if required.

Dina Star is fitted with a state of the art power distribution system that provides substantial fuel efficiency and lower emissions, especially in DP mode. This, combined with a 150TE AHC crane, helideck and removable cargo rail makes the vessel an effective and versatile workstation

- SUBSEA IMR, SURVEY, ROV SUPPORT AND SUPPLY VESSEL
- BREATH 20M: LENGTH 93,8M
- 150 TE AHC OFFSHORE CRANE WITH 3000M WIRE
- 1060M² DECK AREA
- 3200TE TOTAL DECK LOAD
- MEZZANINE DECK FOR 2 OF WROV'S
- HELIDECK
- ACCOMODATION 72
- MAX DRAFT 6,5M

GENERAL

SHIP NAME	MV Dina Star
DESIGN	MT 6015 - Multi function field supply & Offshore construction vessel
OWNER	Dina Offshore AS, Norway
BUILT	2013
BUILDER	Kleven Maritime Norway
CLASSIFICATION	DNV, +1A1, Offshore Service Vessel, + Supply, EO, SF, Dynpos AUTR, Clean Design, Comf-V(2)C(3), DK+, HL(2.5), Naut OSV(A), ICE B, LFL*, OILREC, SPS, DE-ICE
DNV ID NO	23596

MAIN CHARACTERISTICS

LENGTH O.A	93,80 m
BREADTH MOULDED	20,00 m
DEPTH TO SHELTER DECK	10,85 m
DEPTH TO MAIN DECK	8,00 m
DRAFT, MAX	6,50 m
GRT	abt 4950
NRT	abt 1585 t
DEADWEIGHT	abt 4900 t

SPEED & CONSUMPTION*

MAX SPEED	15,1 knots/21,5 t
ECON SPEED	11 knots/8,7 t
DP-OPERATIONS	6,5 - 10,9 t
ST.BY. OFFSHORE	4 t
PORT/HARBOUR	0,7 t

*Approx consumption of MGO/24 hours with 503 DWT.

COMMUNICATION EQUIPMENT

GMDSS	Sea Area 3
SSB RADIO	1
RADIO TERMINALS	2 x VHF/DSC
VHF	2 x Duplex 2 x Simplex
INMARSAT FLEET 77	1
SAT C STATION	2
VSAT	1

MACHINERY

MAIN ENGINES	4 x CAT 3516-2350kW 1200-1800 rpm 1 x CAT C32-969 kW 1200-1800 rpm Total 10369 kW - 14102 bhp
GENERATORS	4 x ABB 2350 kW 1 x ABB 969 kW, 1000 V DC out
EMERGENCY GENERATOR	1 x 340 kW-400 V-50Hz
BOW THRUSTERS	2 x Tunnel 925 kW-CPP 1 x Azimuth 880 kW-FP
AZIMUTH PROPELLERS	Azipull 120, 2 x 2200 kW, Ø 3000 mm, FP
ENVIRONMENTAL FEATURES	Ballast water treatment system, exhaust gas cleaning by catalytic converter, ABB DC Grid Power Distribution for Energy Optimisation

SUBSEA SUPPORT

WROV 1	Kystdesign Constructor 3 220 Hp
WROV 2	Kystdesign Constructor 4 220 Hp
OBSROV (OPTION)	Available at request
MEZZANINE DECK	110 m ² (ROV deck)
ONLINE/OFFLINE ROOMS	1
CLIENT OFFICES	2
HELIDECK	Yes (Diameter 20,9 m)
REMOVABLE CARGO RAIL	14 m PS (fr. 60 - 83)

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ACCOMODATION

ACCOMODATION	72 max/60 under SPS
GYMNASIUM	1
HOSPITAL	1
DAYROOMS	2
MESS ROOM	1
CONFERENCE ROOM	1
SKY LOUNGE	1

All cabins with separate WC/shower, fully air-conditioned

OFFSHORE CRANE

HYDRAMARINE HMC 3568-KNUCKLE BOOM AHC	
MAIN WINCH CAPACITY	150 t at 10 m
HOOK TRAVEL LENGTH	3000 m
AUXILIARY WINCH CAPACITY	20 t at 36 m
HOOK TRAVEL LENGTH	2000 m
TUGGER WINCHES	2
AHC	Yes
POWER CONSUMPTION	4 x 550 kW

NAVIGATION EQUIPMENT

JOYSTICK	Rolls Royce
DP	Rolls Royce
REFERENCES	MiniRadaScan MRU (3) DGPS (2) Wind Sensor (2)
HIPAP 500	1 (prepared for 2 nd installation)
ERN	99, 99, 99, 99
RADAR (ARPA)	1 x 10 cm, 1 x 3 cm
SAT. NAVIGATOR	Fitted
NAVTEX	Fitted
ECHO SOUNDER	1
GYRO	3
AUTOPILOT	1
DOPPLER LOG	1
VDR	1
ELECTRONIC CHARTS	2 x ECDIS fitted
AIS	Fitted

DISCHARGE RATES

FUEL	2 x 0 - 150 m ³ /hr at 90 m
POT WATER	2 x 0 - 150 m ³ /hr at 90 m
DRILL WATER	2 x 0 - 150 m ³ /hr at 90 m
MUD	4 x 0 - 100 m ³ /hr at 90 m
BRINE	3 x 0 - 100 m ³ /hr at 90 m
METHANOL	2 x 0 - 75 m ³ /hr at 90 m
SPECIAL PRODUCTS	2 x 0 - 75 m ³ /hr at 90 m
DRY BULK	2 x 29,5 m ³ /min at 6 bar
ORO	6 x 100 m ³ /hr at 90 m 4 x 75 m ³ /hr at 90 m

Ballast water treatment system. Exhaust gas cleaning by catalytic converter. ABB DC grid power distribution for energy optimisation.

CARGO CAPACITIES

DECK AREA	66,8 x 15,85 m (1060 m ²)
MEZZANINE DECK	110 m ² (ROV deck)
DECK LOAD	3200 t at 1m VCG
DECK STRENGTH	10 t/m ² (stern to fr. 58) 5 t/m ² (fwd of fr. 58)
FUEL OIL	3337 m ³
PORTABLE WATER	1005 m ³
DRILL/BALLAST WATER	2563 m ³
LIQUID MUD	2234 m ³ /SG 2,5
BRINE	2234 m ³ /SG 2,5
METHANOL/ SPECIAL PRODUCTS	407 m ³ /SG 1,4
DRY BULK	342 m ³ /12078 Cu.ft.
ORO	2298 m ³
POWER OUTLETS ON DECK	24 x 450 VAC - 60 Hz

Agitators, hydraulia fitted in 12 tanks. Tank cleaning machines fitted in Mud. Slop and Brine tanks. Prepared for installation of water recycling unit (ATC Lite)

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