



# MV "Dina Star"

## Multi Function Offshore Support/ Platform Supply Vessel



**MYKLEBUSTHAUG MANAGEMENT AS**  
Fonnes 50, 5953 Fonnes - Norway  
Telephone +47 56 16 82 20 Telefax +47 56 16 82 21  
E-mail: [mail@mmred.no](mailto:mail@mmred.no)  
[www.mmred.no](http://www.mmred.no)

# MV "DINA STAR"

## MT 6015- Multi Function Offshore Support/Platform Supply Vessel



### Owners

Dina Offshore AS, N-5953 Fønnes, Norway

### Built

2013 by Kleven Maritime, Norway. Yard # 357

### Classification

DNV +1A1, Offshore Service Vessel, + Supply, E0, SF, Dynpos AUTR, Clean Design, Comf-V(3)C(3), DK+, HL(2.5), Naut OSV(A), ICE 1B, LFL\*, OILREC, SPS, HELDK-SH

### Dimensions

LOA	93,80 m
Breadth (moulded)	20,00 m
Depth (to shelter deck)	10.85 m
Depth (to main deck)	8,00 m
Draft (max)	6,54 m
GRT	4826
NRT	1853
Deadweight	4742 t
Displacement	8755 t

### Machinery

Main Engines	4 x CAT 3516-2350kW 1200-1800rpm 1 x CAT C32-969 kW 1200-1800rpm Total 10369 kW- 14102 bhp
Generators	4 x ABB 2350 kW, 1 x ABB 969kW, 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, 2x2200 kW, Ø 3000 mm, FP
Water Maker	Reversed Osmosis 2 x 15 m3 /day
Environmental Features:	Ballast water treatment System, Exhaust Gas Cleaning by Catalytic Converter. ABB DC Grid Power Distribution for Energy Optimisation.

### Deck Machinery

Capstans	2 x 10 t
Tugger Winches	2 x 15 t
Mooring Winches-aft	2 x 10 t
Anchor windlass	2 x 10 t
Cargo Securing Winches	6 x 3,6 t
Deck Crane PS	1x2 t@24m,telescope Manriding

### Cargo Capacities

Deck Area (free)	51x15,85m (808m <sup>2</sup> )
Deck strength	10 t/m <sup>2</sup> (stern to fr.58) 5 t/m <sup>2</sup> (fwd of fr.58)
Fuel Oil*	3337 m <sup>3</sup>
Potable Water	1005 m <sup>3</sup>
Drill/ballast Water	2563 m <sup>3</sup>
Liquid Mud	2234 m <sup>3</sup> /SG 2,5
Brine	2234 m <sup>3</sup> /SG 2,5
Methanol/Special Products	407 m <sup>3</sup> / SG 1,4
Dry Bulk	342 m <sup>3</sup> / 12078 Cu.ft.
ORO	2298 m <sup>3</sup>
Power outlets on deck	24 x 450 VAC- 60 Hz
Agitators, hydraulic	fitted in 12 tanks. Tank cleaning machines fitted in Mud, Slop and Brine tanks. Prepared for installation of Water Re-cycling Unit (ATC Lite)

### Discharge Rates

Fuel	2 x 0-150m <sup>3</sup> /hr @ 90 m
Pot Water	2 x 0-150m <sup>3</sup> /hr @ 90 m
Drill Water	2 x 0-150m <sup>3</sup> /hr @ 90 m
MUD	4 x 0-100 m <sup>3</sup> /hr @ 90 m
Brine	3 x 0-100 m <sup>3</sup> /hr @ 90 m
Methanol	2 x 0-75 m <sup>3</sup> /h @ 90 m
Special Products	2 x 0-75 m <sup>3</sup> /h @ 90 m
Dry Bulk	2 x 29,5 m <sup>3</sup> /min @ 6 bar
ORO	6 x 100 m <sup>3</sup> /h @ 90 m 4 x 75 m <sup>3</sup> /h @ 90 m

Flow meters fitted on Fuel, Water and Methanol lines. Pot. Water tanks fitted with sampling points and fittings for chlorination.

### Bulk Connections

Location:	
Fuel oil	Aft STB/PS, mid STB
Pot water	Aft STB/PS, mid STB
Drill water	Aft STB/PS, mid STB
Dry bulk	Aft STB/PS, mid STB
Liquid Mud	Aft STB/PS, mid STB
Brine	Aft STB/PS, mid STB
Methanol/Spec.prod	Aft STB/PS
Couplings:	
Fuel, Slop, Methanol,	
Special Products	4" Avery Hardoll
Water, MUD, Brine,	4 "Weco
Dry Bulk	5" Best
ORO	6" Weco (NOFO 2009)

### Speed & Consumption \*

Max speed	15,1 knots/ 21,5t
Econ speed	11 knots/ 8,7t
DP-operations	6,5 – 10,9t
St.by. Offshore	4 t
Port/harbour	0,7t

\*Consumption of MGO/24 hours in Sea-state 2. Fuel to comply with ISO fuel standard 8217:2010 DMA, max Sulphur 0.1 %



**Navigation Equipment**

Joystick	Rolls Royce
DP	Rolls Royce Icon- DP2
References	MiniRadaScan
	CyScan
	MRU (3)
	DGPS (2)
	Wind Sensor (2)
	HiPap 500
ERN	99,99,99,99
Radar (ARPA)	1 x 10cm. 1 x 3cm
Gyro	3
Electronic Charts	2 x ECDIS fitted

**Communication Equipment**

GMDSS	Sea Area 3
SSB Radio	1
Radio Terminals	2 x VHF/DSC
UHF	2
UHF handsets	4 off
VHF handsets	3 off
VHF	2 x Duplex
	2 x Simplex
Inmarsat Fleet 77	1
Sat C Station	2
VSat	2

**Subsea Support**

ROV Deck for LARS	STB/PS- 227 m2
Online Room	1
Offline room	1
ROV Connection Duct	Fitted
ROV Power Outlet	2x1600A-450V-60Hz
	1x125A-230V-60Hz
Removable Cargo Rail	14m PS (fr. 60-83)
Stern gate	
Helideck	20,9m- MTOW 12,8t

**Offshore Crane**

Hydramarine	HMC 3568-Knuckle Boom
	Active Heave Compensated
Main Winch Capacity:	150 t @10m
Hook travel length:	2800 meters
Auxiliary Winch Capacity:	20 t @36m
Hook travel length:	2000 meters
Tugger winches	2 x 4 t
Power consumption	4 x 550 kW
Winterized	

**Lifesaving and Contingency Support**

FRC/MOB	Alusafe 770, dual diesel
LSA	79 persons
Internal fire fighting	Water Mist system
	Foam for Methanol

**Accommodation**

Total with SPS Class	60
-Single Cabins	22
-Dual/Double Cabins	19 (38 bunks)
Total with SF Class	79
-Single cabins	9
-Dual/double cabins	35 (70 bunks)
Gymnasium	Fitted
Hospital	Fitted
Dayrooms	2
Mess-room	1
Conference Room	1
Helicopter lounge	1
Offices	5

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

# MV "DINA STAR"

## MT 6015- Multi Function Offshore Support/Platform Supply Vessel



### Tankplan

Tank	Position	Volume	Drillwater/	Cargo Pot	Fuel Oil	Brine	MUD	Meth-anol	Special	ORO	Cement	Baryte/	Others
		100 %	Ballast	Water					Products			Bentonite	
		SG	1,025	1,00	0,90	2,5	2,5	0,8	1,4	0,9	2,40	2,40	1
1 FOREPEAK FW	139-STEM	221,4		221,4									
2 PS WB	129-138	44,8	45,9										
2 DB WB	123-137	69,1	70,8										
2 SB WB	133-138	23,0	23,6										
3 PS FW	113-123	35,0		35									
3 DB/PS FW	113-123	176,0		176									
3 DB/SB FW	113-123	176,0		176									
3 SB FW	113-123	47,9		47,9									
4 PS WB	95-113	100,7	103,2										
4 DB/PS WB	95-113	35,3	36,2										
4 DB/CL WB	95-113	101,3	103,8										
4 DB/SB WB	95-113	37,0	37,9										
4 SB WB	95-113	101,3	103,8										
5 PS WB	83-95	41,9	42,9										
5 DB/PS WB	83-95	44,8	45,9										
5 DB/CL WB BILGE WATER	83-95	53,7	55,0										
5 DB/SB WB	83-95	44,8	45,9										
5 SB WB	83-95	41,9	42,9										
5a D.O. OVERFLOW	95-97	21,7			19,5								
6 PS WB	70-83	43,0	44,1										
6 DB/PS WB	70-83	53,5	54,8										
6 DB/CL WB	70-83	48,5	49,7										
6 DB/SB WB	70-83	53,5	54,8										
6 SB WB	70-83	43,0	44,1										
7 PS WB	58-70	39,7	40,7										
7 DB/PS WB	58-70	49,4	50,6										
7 DB/CL WB	58-70	45,3	46,4										
7 DB/SB WB	58-70	49,4	50,6										
7 SB WB	58-70	39,7	40,7										
8 PS WB	37-58	67,9	69,6										
8 DB/PS WB	37-58	70,0	71,8										
8 DB/CL WB	37-58	109,0	111,7										
8 DB/SB WB	37-58	68,0	69,7										
8 SB WB	37-58	67,9	69,6										
9 PS WB	28-37	24,5	25,1										
9 DB/PS WB	28-37	29,3	30,0										
9 DB/CL WB	28-37	58,8	60,3										
9 DB/SB WB	28-37	29,3	30,0										
9 SB WB	28-37	24,5	25,1										
10 CD/WB	22-28	222,2	227,8										
11 CD/WB	16-22	224,3	229,9										
12 PS FW	3-15	63,9		63,9									
12 CL/PS WB	3-15	58,3	59,8										
12 CL/SB WB	3-15	58,5	60,0										
12 SB FW	3-15	69,7		69,7									
13 PS FW	STERN -3	107,4		107,4									
13 SB FW	STERN -3	107,4		107,4									
14 UREA	126-133	48,6											48,6
17 PS F.O	89-95	115,4			103,9								
17 SB F.O	89-95	115,4			103,9								
18 PS F.O	83-89	120,4			108,4								
18 SB F.O	83-89	120,4			108,4								
19 PS MUD/BRINE/F.O./ORO	74-83	201,5			181,4	503,8	503,8			181,4			
19 SB MUD/BRINE/F.O./ORO	74-83	201,5			181,4	503,8	503,8			181,4			
20 PS MUD/BRINE/F.O./ORO	66-74	175,5			158,0	438,8	438,8			158,0			
20 SB MUD/BRINE/F.O./ORO	66-74	175,5			158,0	438,8	438,8			158,0			
21 PS MUD/BRINE/F.O./ORO	58-66	171,2			154,1	428,0	428,0			154,1			
21 SB MUD/BRINE/F.O./ORO	58-66	171,2			154,1	428,0	428,0			154,1			
22 PS F.O	50-56	117,4			105,7								
22 SB F.O	50-56	115,4			103,9								
23 PS MUD/BRINE/F.O./ORO	43-50	140,2			126,2	350,5	350,5			126,2			
23 SB MUD/BRINE/F.O./ORO	43-50	140,2			126,2	350,5	350,5			126,2			
24 PS MUD/BRINE/F.O./ORO	37-43	111,7			100,5	279,3	279,3			100,5			
24 SB MUD/BRINE/F.O./ORO	37-43	111,7			100,5	279,3	279,3			100,5			
25 PS MUD/BRINE/F.O./ORO	28-37	145,7			131,1	364,3	364,3			131,1			
25 SB MUD/BRINE/F.O./ORO	28-37	145,7			131,1	364,3	364,3			131,1			
25 CL F.O	28-37	256,3			230,7								
26 PS CEM/BAR/BEN/MUD	48-54	57,7				144,3	144,3				138,5	138,5	
26 SB CEM/BAR/BEN/MUD	48-54	57,7				144,3	144,3				138,5	138,5	
27 PS CEM/BAR/BEN/MUD	43-48	54,4				136,0	136,0				130,6	130,6	
27 SB CEM/BAR/BEN/MUD	43-48	54,4				136,0	136,0				130,6	130,6	
28 PS CEM/BAR/BEN/MUD	37-43	58,9				147,3	147,3				141,4	141,4	
28 SB CEM/BAR/BEN/MUD	37-43	58,9				147,3	147,3				141,4	141,4	
29 MUD / SLOP	95-100	29,8											29,8
30 PS METH / SPEC / ORO	22-26,7	99,6			89,6			79,7	139,4	89,6			
30 SB METH / SPEC / ORO	22-26,7	99,6			89,6			79,7	139,4	89,6			
31 PS METH / SPEC / ORO	16,3-22	103,8			93,4			83,0	145,3	93,4			
31 SB METH / SPEC / ORO	16,3-22	103,8			93,4			83,0	145,3	93,4			
34 PS D.O DAY TK. 3	107-109	4,9			4,4								
35 PS D.O DAY TK. 2	103-107	12,5			11,3								
36 PS D.O. SETTLING.TK	100-103	11,2			10,1								
39 SB D.O. DAY TK.1	103-107	12,5			11,3								
40 SB D.O. SETTLING TK.	100-103	11,2			10,1								
44 PS WB	32-56	43,8	44,9										
44 SB WB	32-56	43,8	44,9										
46 D.O. EMERG. DAY TK.	111-114	3,6			3,2								
47 Roll Reduction Tank WB	109-113	139,6	143,1										
48 PS HOT WATER TK	95-100	14,4											14,4
49 SKEG WB	18-28	18,6	19,1										
<b>Total Weight t</b>		7339	2627	1005	3003	5584	5584	325	570	2069	821	821	
<b>Total Volum m³</b>			2563	1005	3337	14049	14049	407	407	2298	342	342	92,8
						<b>Total Volum bbls</b>	<b>14049</b>		<b>Total Volum Cuft</b>	<b>12078</b>	<b>12078</b>		

Disclaimer:

All information in this brochure is believed to be a correct representation of the vessel and its capacity at the time of printing. As the purpose of this brochure is for general information only, Myklebusthaug Management will not make any warranties about its accuracy.