

MHO Flash “FIRMUS”



Vessel Specifications

Build	2017
Shipyard	UMOE Mandal AS
Flag	Danish
CLASS	DNV 1A1 HSLC R1 Windfarm Service
Trade area	Near Costal areas
Length O.A.	27.1 m
Beam	10.4 m
Max draft	3.2 m
Air draft	15.2 – 12.8 m
Bow fender height	4.3 m
GT	216.2 t
NT	64.9 t
IMO No.	9759410
Call Sign	OYJX2
MMSI	219213000
E-mail	firmus@mho-co.dk
Telephone	+45 48 80 85 69
Satellite Phones	+47 21 89 93 63

Performance

Max speed	42 knots
Service speed @ 21 l/nm	38 knots
Range @ 38kn & 11 m ³ fuel	360 nm

Crew and IP facilities

Crew	3-6
Cabins for crew	2
IP capacity	24
Seats	Air dampened recline seats w/ 2-point seat belt
Seating area	Saloon
Accessibilities	Toilets, A/C, Wi-Fi, 2 x TV for Safety Videos
Pantry	Yes
Coolers	Yes

Capacities

Ship tanks	2 x 5.4 m ³
Cargo tanks	N/A
Fresh water	1600 L
Sewage	1.0 m ³ Gray 1.0 m ³ Black
Deck capacity	4 ton
Forward deck area	26 m ²
Deck load	1.0 ton/m ²
Total deck area	40 m ²
Container fittings	N/A

MHO-Co A/S • Havnsgade 39 • DK-6700 Esbjerg • VAT/CVR: DK37454427
 (+45) 53 70 46 45 • info@mho-co.dk • www.mho-co.dk

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Deck equipment

Crane (Optional)	TMP320KHERCULES 4.8m -155kg, 1.6m-475kg
Fuelling	N/A
Pump capacity	N/A
Pressure washer	N/A
Deck output	1 x 380V
Moonpool	N/A

Engines

Main	2 x MTU 2000 16V M72 1440 kW
Auxiliary	2 x Perkins 65 kW
Gear boxes	2 x Transtech WCG BEVEL
Water Jets	2 x MJP 650 CSU
Bow thrusters	N/A
Lift fan engines	Scania DI13 360 kW



6 Maximum cargo capacity with distribution

Maximum total cargo: 4 tons

Maximum deck load distribution:

Stern cargo area:	0.6 t/m2	(yellow on drawing)
Main cargo area:	1.5 t/m2	(green on drawing)
Forward area:	0.6 t/m2	(yellow on drawing)

On completion of loading of the craft and prior to the departure on a voyage the master shall determine the trim and stability of the craft and also ascertain and record that the craft is in compliance with stability criteria of the relevant requirements.

Navigation equipment

Radar	1 x FURUNO FAR 2117 X-band
Radar	1 X FURUNO FAR 2117 S-band
ECDIS	Wartsila Navi Sailor 2000
VHF	2x Sailor VHF DSC (6222;6215)
MF/HF	Sailor 6301 MF/HF
AIS	Furuno universal FA-150
Sat Compass	FURUNO
GPS	FURUNO GP-150
Echo sounder	FURUNO FE-800
Navtex	FURUNO NX-700
Speed log	SKIPPER EML224
Autopilot	SIMRAD AP 70 MK2
Motion dampening	Humphree Active Ride Control

Bridge control

Manoeuvring	***
Navigation lights	***
Monitoring	CCTV with 15 cameras
BWA	ALPHATRON Alpha BNWAS

Charter facilities

On bridge	Sofa and workstation
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