

MF Hydra



MF Hydra – 82,4 m Car Ferry delivered in June 2021 by Westcon Yards AS, Ølensvåg, Norway as Yard no. 38 to ship-owner Norled AS in Stavanger. The design is by LMG Marine, Norway; LMG 80-DEH₂. The vessel is built as a battery/ hydrogen/ diesel hybrid plug-in car & passenger ferry

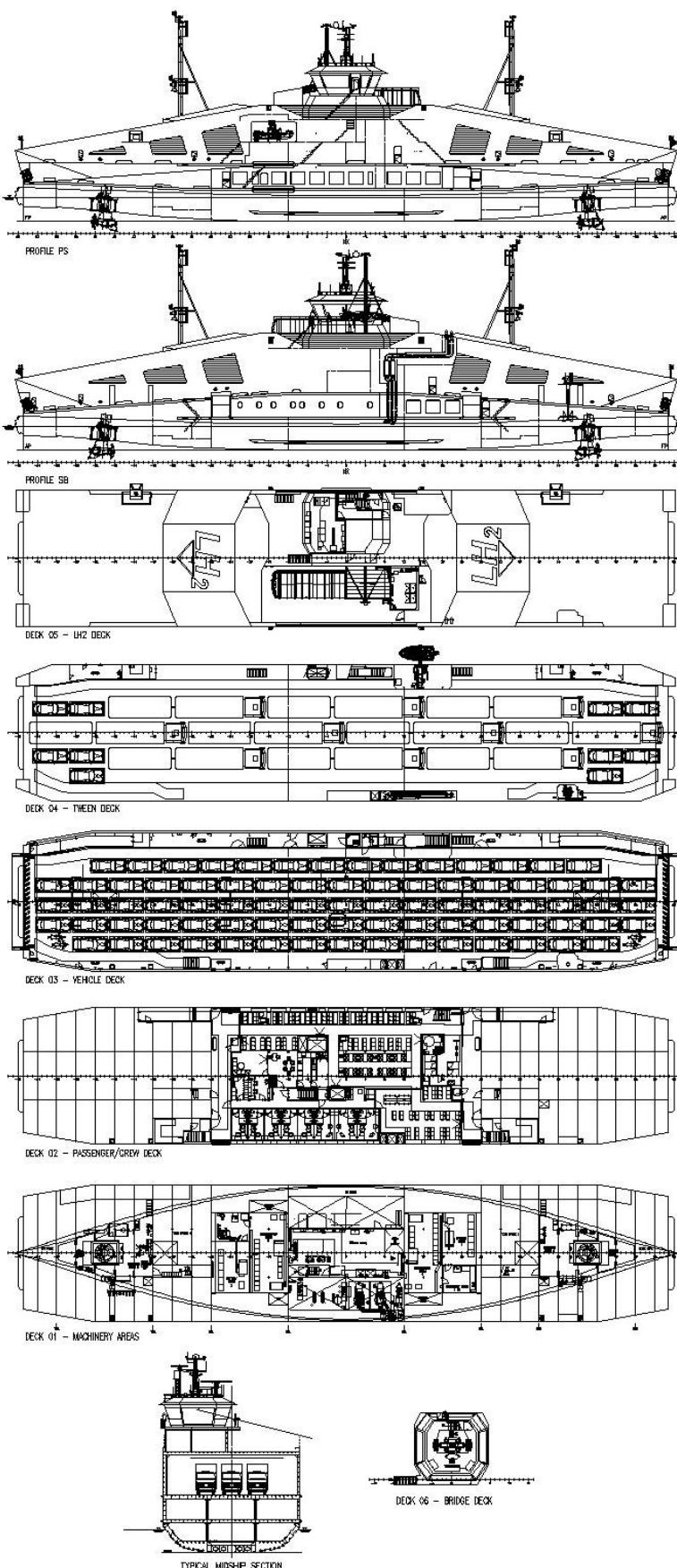
Principal particulars

Length o.a.:	82,4 m
Length p.p:	80,2 m
Breadth Extreme :	17,5 m
Draught Max:	2,9 m
Class:	1A Car Ferry B Battery (Power) E0 LC R4(Nor)
Flag:	NOR, NMA Passenger Vessel for Trade Area 2

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**Propulsion system**

Propeller system:

Schottel Rudder Propeller: SRE 340 L FP

Generators

Main generators:

Scania DI16 75M/Stamford
HCM634G2 480-553 kW 2250 rpm**Electronical equipment**

Radar 1:

Furuno radar FAR-2318 BB
Furuno radar FAR-2238S BB/PM

Radar 2:

Furuno FE-800

Echosounder:

Navitex:

Furuno NX-700B

BNWAS:

Furuno BR-500

Camera:

Ocean Electronics AS

GPS compass:

Simrad MX575

Gyro:

Simrad GC80

Log:

Furuno DS-80 Doppler log, Furuno GS100
satellite speed log

GPS:

Furuno DGPS GP-170/GPA021S

AIS:

FURUNO FA-170 U-AIS KLASSE A

ECSIS:

Furuno Teidis T-2138B

VHF GMDSS:

Furuno FM-8900S

UHF:

Motortrbo DM4400

Autopilot:

Simrad AP70 MKII

Monitors:

Hatteland

Epirb:

Tron 60S

Ship systems

Complete system integration Westcon Power & Automation:

e-SEAMatic® BLUE

e-SEAMatic® EMS - Energy Management system

e-SEA® Bridge - Integrated bridge

e-SEAMatic® IAS - Integrated Automation System

e-SEAMatic® EPMS - Energy- and Power Management system

e-SEA® Drive - Power conversion

e-SEA® Motor - Electrical motors

e-SEA® Switchboards - Main Switchboards

e-SEA® Motor - Electrical motors

Battery System

Westcon Power & Automation

Hydrogen System

Hydrogen tank

Linde

Hydrogen cell

Ballard

Automation System

Westcon Power & Automation

Vent/AC-arrangement:

Novenco AS

Fans:

Novenco AS

Engine room firefighting:

Survitec FIFI system, water mist & foam

Mob boat:

Palfinger RSQ 450 G 25HP

MES:

Survitec

Life rafts:

Survitec type ORIL151V (3)

Searchlights:

Glamox SL40 R5 1000W

Fire alarm:

Consilium Salvico Cargo AE

Capacities

Cars: 80

Trucks: 10

Pax: 299 (including crew)

Biofuel: 21,6 m³Fresh water: 20,7 m³

Accommodation: 8 off

Deck equipment

Anchor wire winch:

Adria Winch

Capstan:

Adria Winch