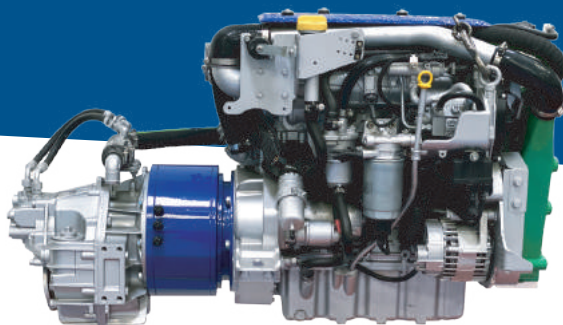


TECHNICAL DATA

Blue Hybrid System®

HYBRID KIT FOR MARINE ENGINES



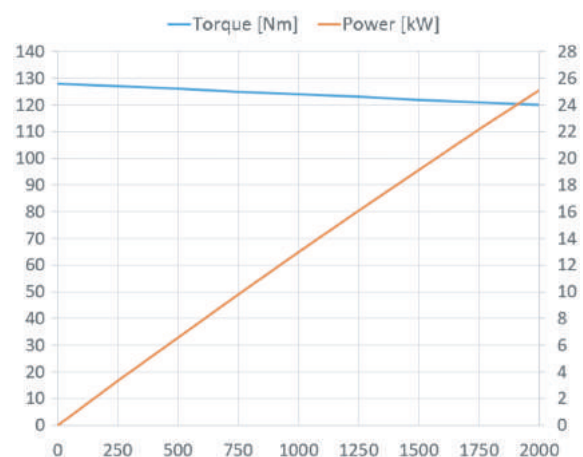
Blue Hybrid System® opens up new perspectives for recreational and commercial boats. Unique and compact, with minimal dimensions, **Blue Hybrid System®** allows you to **navigate with zero emissions** for producing energy and propulsion.

Designed for navigating in **protected and silent areas**, hence, it can be integrated with marine diesel engines which allow you to switch from traditional to electric navigation easily.

The boat equipped with this system can be used for eco-tourism as well as protected natural areas without polluting or making noise.

Electric motor / generator

Type	Brushless
Cooling	Liquid type
Number of poles	12
Nominal speed	2000 rpm
Nominal power	25 Kw
Nominal torque	120 Nm
Nominal current	265 A
Nominal efficiency	96 %



Wiring

Standard equipment	Up to 8 m boats
Type	Power, signal

Battery

Type	LiNMC
BMS	YES
Nominal Voltage	88,8 Vdc
Capacity	148 Ah
Standard discharge	0,5 C
Fast discharge	1 C
Maximum discharge	1,3 C
Energy density	104 Wh/kg
IP Rating	IP65

Aquarius system - Electrical Panel

IP Rating	IP66
Nominal Voltage	96Vdc
Minimum - Maximum voltage	39 - 116 Vdc
Current (60 min.)	220 A
Hybrid Control Unit – HCU	
Safety Power Contractor	
Cooling plate	

Engine types and characteristics may be subject to modification without prior notice.

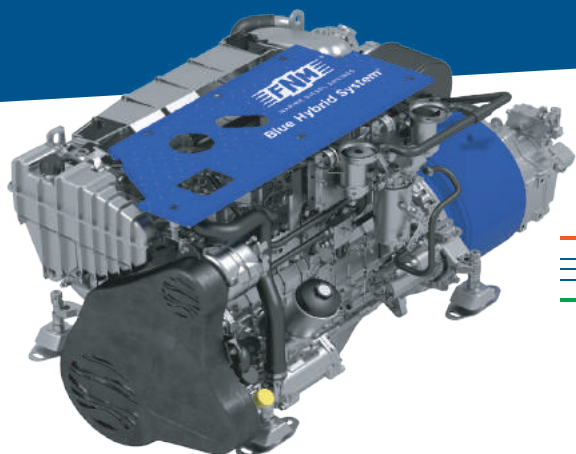


**50 YEARS OF
INNOVATION**

TECHNICAL DATA

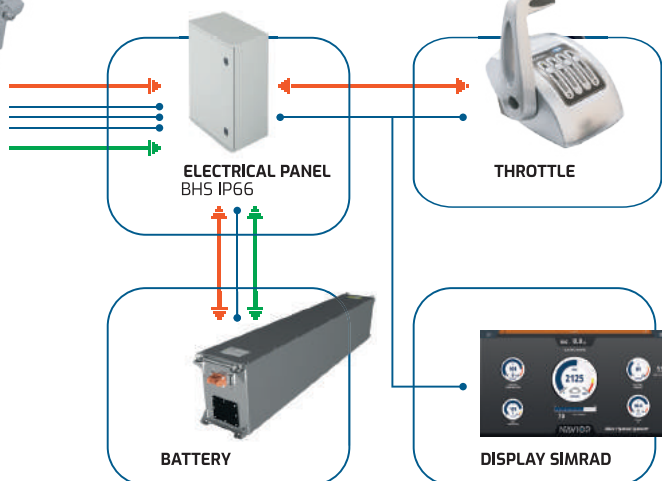
Blue Hybrid System[®]

HYBRID KIT FOR MARINE ENGINES



CAN BUS SIGNAL ↔

CHARGING SIGNAL ↔



Display SIMRAD

Series	GO XSE with OP box
Standard equipment	7 inches
Optional	9 inches; 12 inches
Power Supply	12-24 Vdc

Throttle

Series	All powertrain is managed by original engine throttle
Type	Electronic with CAN BUS

Cooling kit

Components	Pumps and heat exchangers
Operation	Cooling of electronic components and auxiliaries working during electric mode

Battery charger (on request)

Type	Standard	Fast	Super
Supply	230 Vac	400 Vac	400 Vac
Charging power	3 kW	10 kW	20-30 kW
IP Rating	IP20	IP65	IP54
Location	On board	On board	Quay

Engine types and characteristics may be subject to modification without prior notice.

