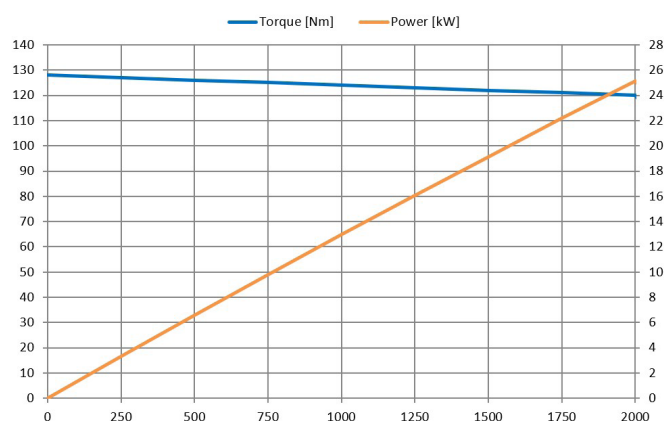


Electric motor / generator

Type	Brushless
Cooling	Liquid cooled
Number of poles	12
Nominal speed	2000 RPM
Nominal power	25kW @ 2000 rpm @ 96V
Nominal torque	120 Nm
Nominal current	256A
Efficiency	96 %



Acquarius BOX is composed by

- Inverter specifications	
Type	AC motor controller
Cooling	Liquid cooled
Nominal Voltage	96 VDC
Minimum-Maximum voltage	39-116 V
IP Grade	IP66
Continuous current (60min)	220A
- Safety contactor, internal wiring, relays and fuses	
- Supervision control system (HCU - Hybrid Control Unit)	

Cooling system (external)

Equipment	Heat exchanger Coolant circulation pump(s)
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Battery specifications

Type	LiNMC
BMS	Included
Nominal voltage	88,8 Vdc
Capacity	200 Ah
Standard/fast discharge	0,5 C / 1C
Maximum discharge	1,3 C
Energy density	148 Wh/kg
Dimensions	1158x310x339 mm (L x W x H)
Weight	approx. 150 Kg
Certificate	YES

DC / DC Converter

Typical input voltage	96 Vdc
Typical output voltage	12 Vdc
Output power	500 W
IP Grade	IP67

Display

Brand	SIMRAD
Series	GO XSE con OP box
Standard screen	9 inches
Internal App (BHS System)	Visualization of all system parameters (electrical and endothermic)

Throttle Remote control

Type	Electronic, top mounting, CAN bus
Series	Flexball 4500
Control Area	Both endothermic engine and electric motor are managed by the same throttle. CAN Open

Battery Charger

Type	sealed single-phase standard
Input voltage	230Vac (95-265 Vac)
Input frequency	50-60 Hz
Charging Power	3 Kw
IP Grade	IP65
Location	On board
Dimensions	324x204x142mm
Weight	8 kg

Wiring

Standard lenght	Up to 8m boats
Type	Power, signal