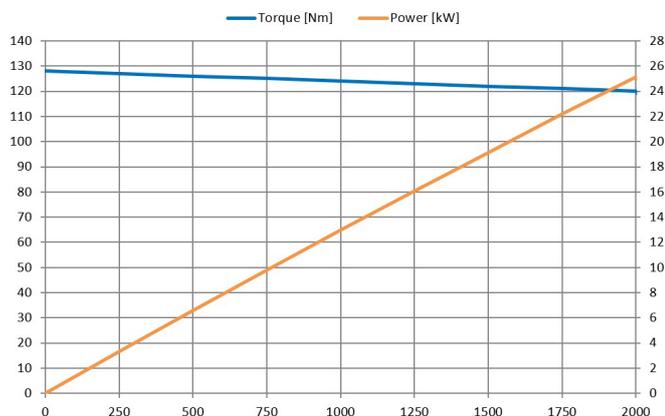


### Electric motor / generator

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)	

### Wiring

Standard lenght	Up to 8m boats
Type	Power, signal

### 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

### Cooling system (external)

Equipment	Heat exchanger Coolant circulation pump(s)
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