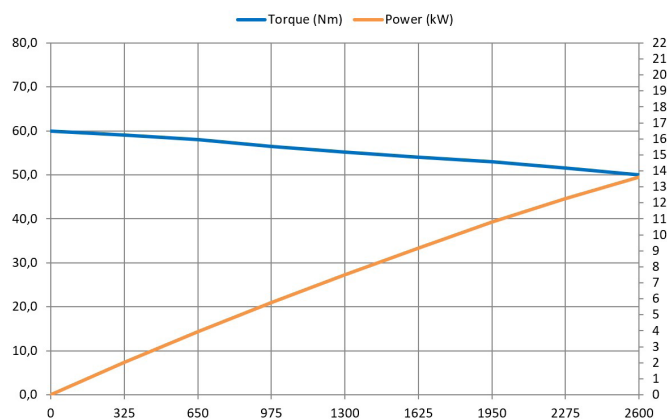


### Electric motor / generator

Type	Brushless
Cooling	Liquid cooled
Number of poles	12
Nominal speed	2600 RPM
Nominal power	13.7 kW @ 48V
Nominal torque	50 Nm
Nominal current	260 A
Efficiency	96 %



### Acquarius BOX is composed by

#### - Inverter specifications

Type	AC motor controller
Cooling	Liquid cooled
Nominal Voltage	48 VDC
Minimum - Maximum voltage	36-120 VDC
IP Grade	IP66
Continuous current (60min)	460 A

#### - Safety contactor, internal wiring, relays and fuses

#### - Supervision control system (HCU - Hybrid Control Unit)

### Battery specification

Type	LiNMC
BMS	Included
Nominal Voltage	48,1 Vdc
Capacity	150 Ah
Standard / Quick discharge	0,5 C / 1,25 C
Maximum discharge for 30s	1,3 C
Energy density	96 Wh/kg
Dimensions	685x375x265 mm (L x W x H)
Weight	approx. 75 kg
Certificate	Yes

### DC / DC Converter

Typical input voltage	48 Vdc
Typical output voltage	12 Vdc
Output power	300 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
Communication TYPE	CAN Open

### Battery Charger

Type	sealed single-phase standard
Input voltage	230Vac (95-265 Vac)
Input frequency	50-60 Hz
Charging Power	2.5 Kw
IP Grade	IP65
Location	On board
Dimensions	324x204x142mm
Weight	8 kg

### Wiring

Standard lenght	Up to 8m boats
Extension harness	Available
Type	Power, signal

### Cooling system (external)

Equipment	Heat exchanger Coolant circulation pump(s)
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