

E-POWER 10

DESCRIPTION

E-POWER 10: A box in the size of a 20-hp ICE, with a 10 kW – 48 V electric motor with water cooling system with heat-exchanger fresh water\sea water, two batteries for a total of 5 kWh, two chargers and a DC-DC converter to recharge the service batteries. It needs no electrical connections except to shore for recharge.

TECHNICAL SPECIFICATIONS

E-MOTOR

E-motor Type:	Brushless Direct Current motor
Max Revolution Speed:	2400 RPM
Rated Voltage:	48 volt
Peak Power:	10 kW

TECHNICAL SPECIFICATIONS

COOLING SYSTEM

Cooling Liquid:	50%water+50%antifreeze (cooled by sea water)
Heat Exchanger:	Fresh Water / Sea Water
Water Pumps:	12 V -2 A - 20 lit/min
Expansion Tank:	Included

TECHNICAL SPECIFICATIONS

LITHIUM BATTERY

Battery Type:	LiFePO4 w/ BMS
Nominal Capacity:	5 kWh
Nominal Voltage:	48 V DC
Discharging peak current:	300 A

TECHNICAL SPECIFICATIONS

DC-DC CONVERTER

Output Voltage:	12/24/48 V (Service Battery)
Rated Charge Current:	20 A
Protection Category:	IP43
Optional	Solar Panel Connection

