



Energy

Electric Drive for Marine Applications

Your Electric Drive System:
Compact. Light. Powerful.



EDM 160 Inboard Motor

Product rendering for illustration purposes only.
Final product design may vary.

TECHNICAL DATA

Continuous power ¹	120 kW / 160 hp
Peak power ¹	140 kW / 190 hp
Output speed w/ gearbox @120kW	1.000-1.500 rpm
Output speed w/o gearbox @120kW	6.000 rpm
Max. output speed w/o gearbox	15.000 rpm
Total weight approx.	180 kg
Type of cooling	open seawater circuit
Total efficiency approx.	up to 94%
Compatible HV-Battery	customized, according to application

SCOPE OF DELIVERY

- Main Propulsion Electric motor
- Inverter, incl. DC/DC-Converter
- Gearbox (option)
- Cooling system for the drive
- Cooling system for the battery
- On-Board-Charger, incl. Inlet
- E-Box
- Vehicle Control Unit (VCU)
- All necessary cables
- Upon request: display and thrust lever



FEATURES

- Self-monitoring and self-protecting system
- Traveling and maneuvering mode
- Battery charging coordination
- Provision of display values (NMEA or CAN)
- Limp home mode, in case of failure
- Guided troubleshooting via J1939 or UDS
- Option for connectivity via cellular network

Product under development, all information subject to be changed.

¹. T_{Coolant} 45 °C; Power/torque at 400 V_{dc} – continuous, peak ± 10 s

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