

**Electric
propulsion
systems
and e-boats**
e'dyn

www.edyn-marine.com

e'dyn 1120 outboard

Electric outboard system



Characteristics

| | |
|------------------------------------|--|
| Rated system voltage | 48 V |
| Rated power | 11 kW |
| RPM on output shaft | 2400 rpm |
| System efficiency | > 90 % |
| Nominal current consumption (peak) | 220 A (280 A peak) |
| Weight | ~45 kg |
| Dimensions | 670 x 405 x 1151 |
| Trim | Electric trim |
| Preferred system configuration: | Battery 48-8000 Main bat charger 48-2300 DC-DC converter 12-300 e'dyn display |

Main features

- > High hydrodynamic efficiency
- > Robust design
- > High system energy efficiency
- > High system durability
- > Customized system mapping
- > Low noise
- > Choosable color design



- 1 Battery 48-8000
- 2 Battery charger 48-2300
- 3 Controller 48-280-W
- 4 e'dyn display
- 5 Throttle arm







Electric submersible/ outboard systems



Characteristics

e'dyn 04 08

e'dyn 10 18

| |    |    |
|------------------------------------|---|---|
| Rated motor voltage | 24 V | 30 V |
| Rated power | 4,3 kW | 10 kW |
| RPM on output shaft | 1400 rpm | 1000 rpm |
| System efficiency | 85 % | 88 % |
| Nominal current consumption (peak) | 120 A | 200 A |
| Weight | 29 / 38 kg | 39 / 47 kg |
| Dimensions | 116 x 472 x 1130 | 178 x 551 x 1140 |
| Waterproof | IP67 | IP67 |
| Preferred system configuration | Battery 48-800 Main bat charger 48-62 Controller 24-48-A e'dyn display | Battery 48-800 Main bat charger 48-62 Controller 48-280-A DC-DC converter 12-300 |

Electric inboard motors











Characteristics

e'dyn 10 18-IN

e'dyn 50 80-IN

e'dyn 100 160-IN

e'dyn 150 250-IN

| |   |   |   |   |
|------------------------------------|---|---|---|---|
| Rated voltage | 30 V | 150 V | 244 V | 300 V |
| Rated power | 10 kW | 50 kW | 100 kW | 150 kW |
| RPM on output shaft | 1200 rpm | 3000 rpm | 3000 rpm | 3100 rpm |
| System efficiency | 84 % | 91 % | 92 % | 94 % |
| Nominal current consumption (peak) | 220 A | 210 A | 250 A | 320 A |
| Weight | 45 kg | 75 kg | 126 kg | 171 kg |
| Dimensions | 620 x 390 x 330 | 581 x 431 x 390 | 580 x 452 x 436 | 598 x 553 x 413 |
| Waterproof | IP55 | IP55 | IP55 | IP55 |
| Preferred system configuration | Lithium Battery 13 kW Main bat charger 48-62 Controller 48-86-W DC-DC converter 12-300 | Lithium Battery 56 kW Main bat charger 440-3300 Controller 96-420-W DC-DC converter 12-285 | Lithium Battery 93 kW Main bat charger 360-3000 Controller 96-420-W DC-DC converter 12-285 | Lithium Battery 124 kW Main bat charger 440-520 Controller 96-510-W DC-DC converter 12-380 |

Kaiser

custom made wooden e-boat
with e'dyn propulsion system



The Kaiser is the perfect choice for everyone looking for a strong electric motorboat that is fast, stable and easy to handle. Its classic design is enriched with wooden details, making it a treat for your eye and your passions. It is driven by a customized **e'dyn** propulsion system, consisting of an innovative electric motor and exceptional additional parts. This consequently makes it silent, eco-friendly and uniquely personal.

Characteristics

| Boat with: | System description |
|----------------------------|--|
| Propulsion system 1 | e'dyn 11 20-OB (Power: 11 kW, Battery: Li-Ion 8 kWh, Battery charger: 2,3 kW) |
| Propulsion system 2 | e'dyn 10 18-IN (Power: 10 kW, Battery: Li-Ion 8 kWh, Battery charger: 2,3 kW) |
| Propulsion system 3 | e'dyn 50 80-IN (Power: 50 kW, Battery: Li-Ion 45,1 kWh, Battery charger: 3,3 kW) |
| Boat dimensions | From 4.5 to 12 m |
| Weight of boat | Light weight wooden construction from 150 kg + |

ROTO 450 by e'dyn

Plastic e-boat with e'dyn propulsion system



The elegant **ROTO 450 by e'dyn** is an electric motorboat that is silent and easy to control, allowing you to recharge your batteries in peace and calm. It is made from multilayer polyethylene, making it light and easy to control. It is an elegant choice for everyone looking for a beautiful, minimal and timeless design that comes with a top-class electric motor based on technological developments and innovation.

Characteristics

| Boat with: | System description |
|---|---|
| Propulsion system 1 | e'dyn 04 08-OB (Power: 4,3 kW, Battery: Lead acid 5,4 kWh, Battery charger: 0,6 kW) |
| Propulsion system 2 | e'dyn 04 08-OB (Power: 4,3 kW, Battery: Li-Ion 8 kWh, Battery charger: 2,3 kW) |
| Propulsion system 3 | e'dyn 11 20-OB (Power: 11 kW, Battery: Li-Ion 8 kWh, Battery charger: 2,3 kW) |
| Boat dimensions | 450 cm x 180 cm |
| Weight of boat | app. 200 kg |
| Weight of boat with electric propulsion system and accessories | app. 340 kg |



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