

Datasheet

GM5 Propulsion system

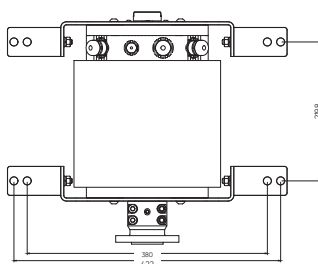


This datasheet gives the detailed specifications of the propulsion system. Our 5 kW propulsion system combines power, efficiency and reliability to meet the highest performance requirements, both for leisure boats and professional use. The 5 kW electric motor is developed for exceptional performance, long life and minimal maintenance. Thanks to the compact and robust design, the motor is easy to install.

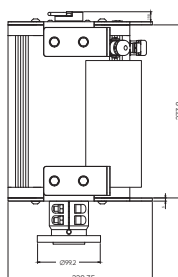
Parameter	Value
Motor type	3-phase permanent magnet synchronous motor (PMSM)
Nominal power output	5 kW
Comparable power output in hp	15 hp diesel engine
Battery voltage	40V – 65V (48V nominal)
Torque	40 Nm
Nominal RPM	1200 RPM
Transmission	None (direct-drive)
Motor weight	approx. 40 kg
Motor shaft diameter	30 mm
Cooling motor/controller	Air
Ambient temperature range	-20 °C ~ 60 °C
Communication protocol	CANbus (NMEA converter available)
IP-class motor/controller	IP68
Battery cable size (minimal)	35 mm ²
Thrust bearing required	No, but recommended

Operation & Monitoring

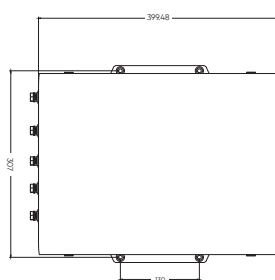
Add accessories to your propulsion system to create a system completely tailored to your needs.



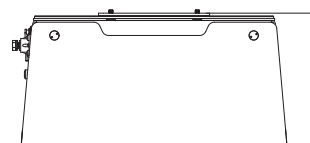
top view



side view



top view



side view

Type of boats



up to 1.5 ton



up to 7 meter

This is an indication on whether the propulsion system is suitable for a certain boat. It does not take into account the type of boat and the use of the boat. Contact us for a customized advice.

Battery



For this propulsion system we recommend at least one GM lithium battery. You can easily expand this with more batteries for a longer range and/or with a range extender (generator, solar panels and/or wind turbine) for unlimited boating.

Propeller

13" x 8"
(speed 6 to 9 km/h)



Note: This is a guideline only; the propeller choice depends on your boat type, engine power, and sailing profile. Always consult us or your supplier for advice. Often, you can keep your current propeller; only maintenance or adjustment is required.

Installation

Motor mounts are supplied as standard for the installation of the electric motor.



Download the GM app

Monitor your electric propulsion system directly from your phone.



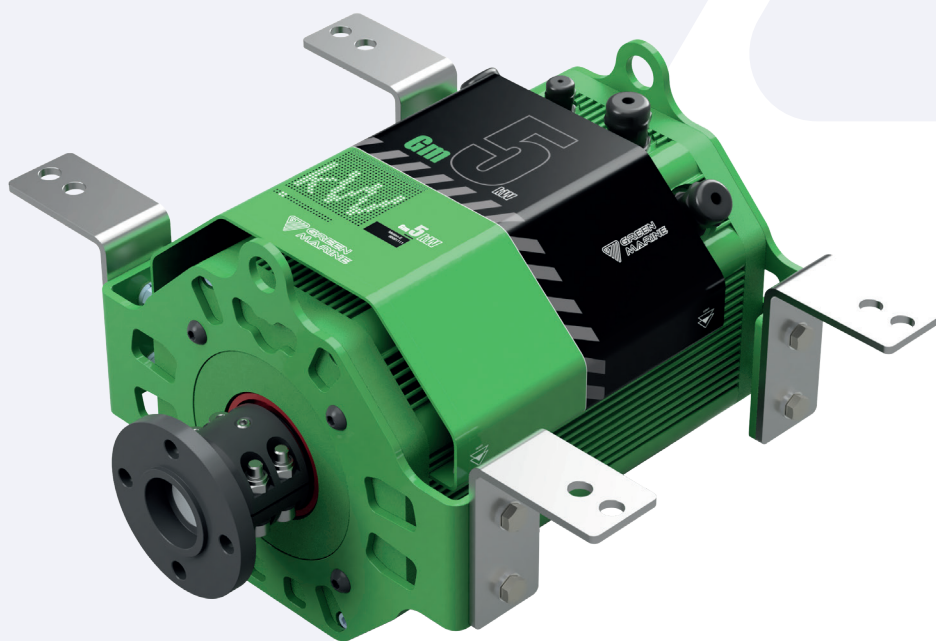
Contact

Do you have any questions or can we help you in another way?
We're there for you.

+31 (0) 75 234 0007
service@greenmarinemotors.com
Zuiddijk 412, 1505 HE Zaandam
The Netherlands

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