

# Propulsion Motor

## GPM-12

The liquid-cooled, high power-to-weight ratio propulsion motor is an easy to install and low maintenance solution for maritime applications. The permanent magnet design driven by our next-generation hardware ensures market leading electrical efficiency.

The GPM-12 provides full power over a wide speed range that helps reduce the dependency on reduction gear, simplifying the installation, improving driveline efficiency and reducing operating costs. With multiple motors to choose from, BAE Systems can provide propulsion solutions to meet a range of requirements.



### Features

- Permanent Magnet high efficiency design
- Full power over a wide speed range
- Regenerative power for sailing vessels
- Superior low-end torque and high power-to-weight ratio
- Completely high-voltage protected for safety

### Benefits

- Easy installation
- Reduced maintenance
- Reliable, low lifecycle cost
- Electric propulsion with low noise and vibration
- WEG cooled and no separate oil cooler required

Specification	Value
GPM-12	200 kW at 1000 rpm, 250 kW at 1500 rpm, 240 kW at 2000rpm
	210 kW at 1000 rpm, 310 kW at 1600 rpm, 360 kW at 2000 rpm
Max Speed	3500 rpm
Torque	1850 Nm
Ingress Protection	IP67 and IPx9k
Cooling	Water/Ethylene Glycol - 50:50
Inlet Coolant Temp. (max)	35°C
External Ambient	-40° to 65°C (-40° to 149°F)
Dimensions (L x W x H)	676 x 570 x 595 mm
Weight (wet)	380 kg (838 lbs)

### North America

BAE Systems  
1098 Clark Street  
Endicott, NY 13760  
USA

[www.gettozero.com](http://www.gettozero.com)

### Rest of World

BAE Systems  
Marconi Way  
Rochester, Kent ME1 2XX  
UK

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