

# 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
Rated Power	250 kW (335 hp), 310 kW (415 hp), 350 kW (469 hp)
Rated Speed	950 rpm, 1600 rpm, 1800 rpm
Max Speed	3500 rpm
Torque	2512 Nm, 1850 Nm, 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)

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### Rest of World

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