



# B&P Elektromotoren





# WEG Serves the Marine Industry Globally

Our global structure allows us to be closer to our customers. Over 32 subsidiaries established in key countries are prepared to provide you with technical and commercial support; our manufacturing plants strategically located in the main markets can serve you with short deliveries; and our network of over 1,250 Authorized Service Agents located in the five continents are fully equipped to give you prompt after sales and service support.



## Global Presence

### Marine Certifications



### Company Overview

- Manufacturing plants in 9 countries
- Subsidiaries in 27 countries
- Over 1,250 Authorized Service Agents in the five continents

### Global Product Certifications



# Motors



## WGM Motors: Water Jacket Cooled

### Designed for Tough Application Conditions

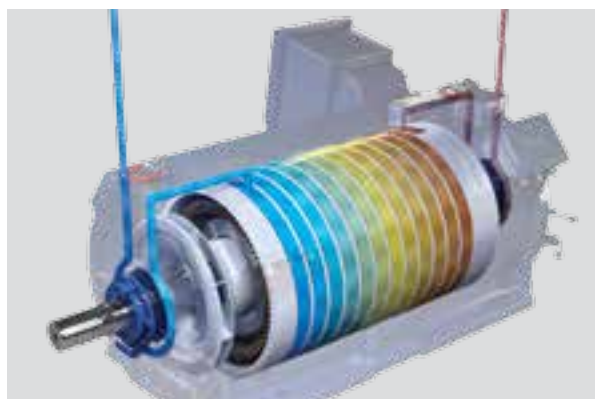
WEG Water Jacket Cooled Motors (WGM Line) can be used especially for driving machines that require constant torque even at low speeds, for long periods of operation (for instance during Dynamic Positioning). It is the right choice for demanding applications in tough Marine environments, with higher ambient temperature and limited space availability.



### Advantages

- Low Noise Level
- Suitable for variable frequency drive operation
- Minimum thermal dissipation to the environment
- Compact construction
- Suitable for aggressive operating conditions

The motor cooling is guaranteed by a “water jacket” circulating system between the stator core and the outer frame, allowing a more effective heat exchange which results in a higher output power per weight ratio, therefore reducing the size of the motor. This system is ideal for variable speed applications since the thermal efficiency is optimized even on reduced speeds and where space is a concern.



## Master Line

- General Purpose Motors**
- Non-Sparking Motors**
- Increased Safety Motors**
- Pressurized Motors**

The Master line (M line) motors stand out for the flexibility of their electrical and mechanical design, adapting to the strictest operating requirements in different applications. The result of this innovative development is a product with high efficiency, meeting the requirements of international standards and in line with the world market trends.

- Output: up to 50,000 kW
- Voltage: up to 14,400 V
- Cooling: open, air or water cooled

*\* NEMA or IEC designs*



## Water Cooled Motors



WEG Water Cooled motors were developed to match the increasing market demands for compact design motors with low noise level and high output power ratio per frame size. These motors meet the IE2 efficiency levels defined by IEC 60034-30:2008 Standard, thus ensuring lower energy consumption and consequently reducing their operating costs.

### Standard

- Output: 18.5 to 450 kW
- Number of poles: 2 to 8 poles
- Voltage: up to 660 V
- Frequency: 50 or 60 Hz
- Service factor: 1.00 or 1.15
- Degree of protection: IP55
- Insulation class: F or H

## HGF: Three Phase Induction Motor

The HGF line is differentiated by its high performance combined with low maintenance costs. This product line is ideal for operating in the toughest applications, which require increased strength and durability of motors.



### Standard

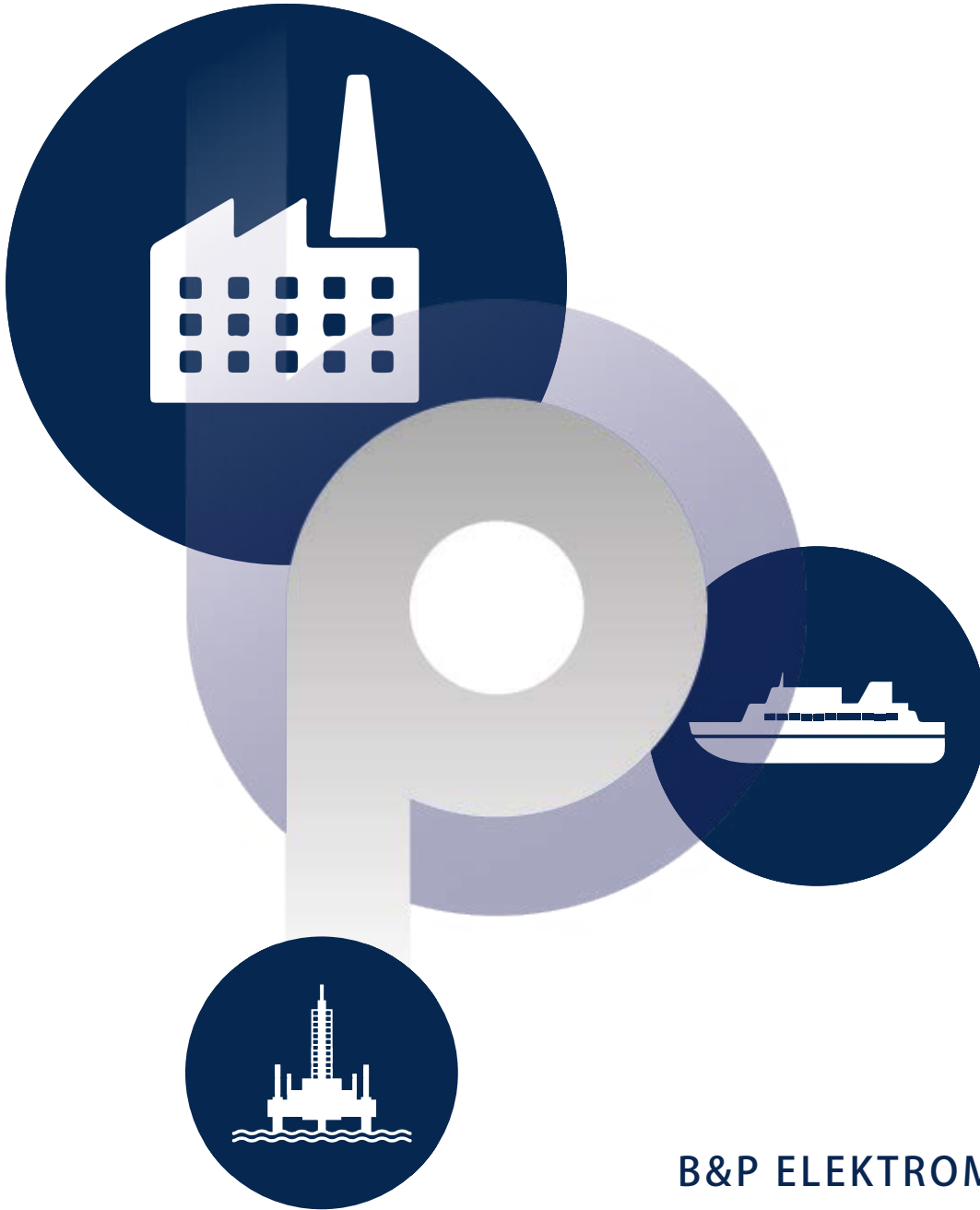
- Rated output: 90 kW to 3,150 kW
- Number of poles: 2, 4, 6, 8, 10 and 12
- Frame sizes: IEC 315 to 630
- Frequency: 50 or 60 Hz
- Voltage: 380 V to 6,600 V
- Service factor: 1.00
- Insulation class: F (DT 80 K)
- Degree of protection: IP55

## Electrical Motors for Special Applications

WEG develops its portfolio of products always thinking about the special features of each special application:

- Explosion-proof motors
- Break motors
- Motors for suction and discharge pumps on dredgers
- Motors for bow and azimuth thrusters, electrical motors for onboard pumps, fans, compressors as well as various winches and mooring systems





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