

W22 Wash

Water Resistant Motor
Commercial Catalogue



Motors | Automation | Energy | Transmission & Distribution | Coatings

W22 Wash

The W22 Wash electric motors have been specially developed to operate in environments with water presence, meeting the requirements of food and pharmaceutical industries and where there is a constant need for hygiene and cleanliness.

Standard Features

- Efficiency **IR3 Premium**
- Degree of protection: IPW66
- Output: 0,16 to 50 cv
- Frame: 63 to 200L
- Number of poles: 2 to 8 poles
- Voltage: 220/380 V
- Shaft seal: W3 Seal® *
- Mounting: B3D
- Insulation class "F" (ΔT 80 °C)
- Service Factor: 1.15
- Space heater
- Shaft and hardware in stainless steel: AISI 316
- Color: White - RAL 9003
- Antimicrobial paint: WEG NOBAC®
- Internal anticorrosive paint
- Terminal Box and End-shields sealed with Permatex®
- Insulation System WISE®
- Suitable for VSD applications
- Epoxy Paste in Terminal Box

*For 63 to 80 frame sizes motors the shaft seal is oil seal with stainless steel spring.

Optional Features

- Insulation class "H"
- Another mountings
- Voltage: 380/660V, 440V and 220/380/440V
- Additional terminal box
- Special grease for cold rooms
- W-Easy Maintenance® brake motor for 100 to 200 frame sizes
- Encoder
- Covering from 112M frame size and above
- Drip cover for vertical mountings

**Reliability
and productivity
in environments
with moisture and
constant cleaning.**

WEG NOBAC® External Painting

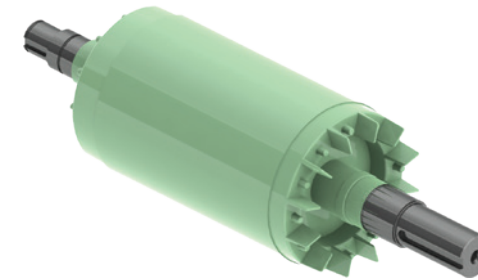
WEG antimicrobial coating reduces the proliferation of bacteria by 99.9%, ensuring the required hygiene in food and pharmaceutical applications.

Shaft and screws in stainless steel

It makes the motor more resistant to oxidation and corrosion, increasing the useful life and reliability in humid environments.

Endshields and Terminal Boxes with Permatex® Sealing (Polycarbonate Resin)

It avoids the ingress of water and impurities into the terminal box, protecting the electrical connections against corrosion and wear.

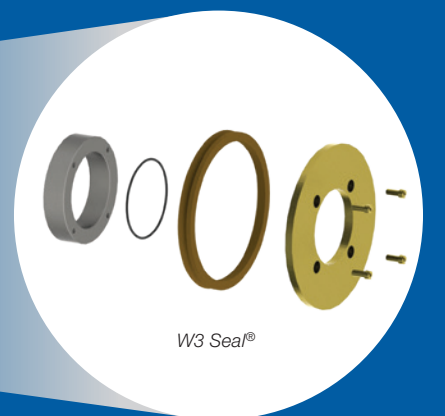


Tropicalized Internal Coating (Anticorrosive)

It protects internal parts, such as rotor and winding, against oxidation, increasing the reliability and durability of the motor.

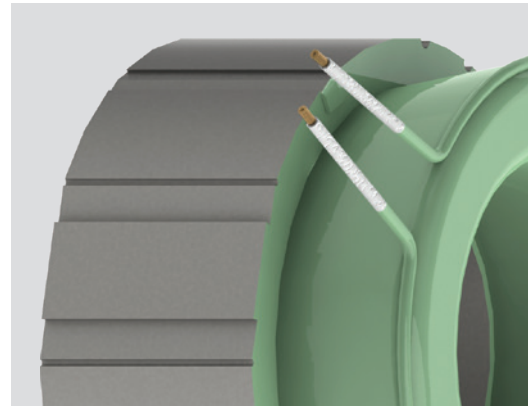
W3 Seal® - IPW66

Aiming to reduce the problems caused by aggressive agents to rolling bearings, WEG developed the W3 Seal® sealing systems, which prevents the ingress of contaminants (dust, water or a mixture of both) into the bearing.



Space heaters

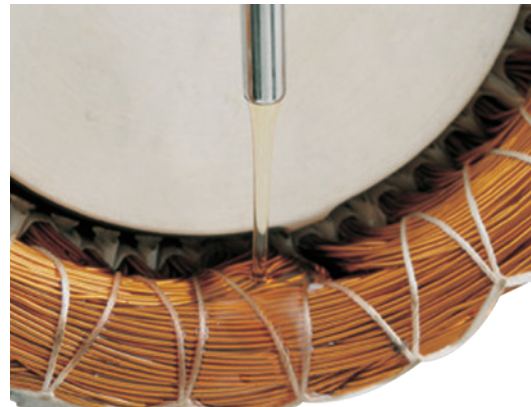
Installed on the winding, it keeps the motor warm inside, preventing corrosion due to moisture condensation within the motor. It should only be used when the motor is out of operation.



WISE®

The W22 Wash Motors are able to operate with VFD due the exclusive insulation system WISE® (WEG Insulation System Evolution), that increases the winding electrical insulation.

* Insulation for voltages above 575 V is available upon request.



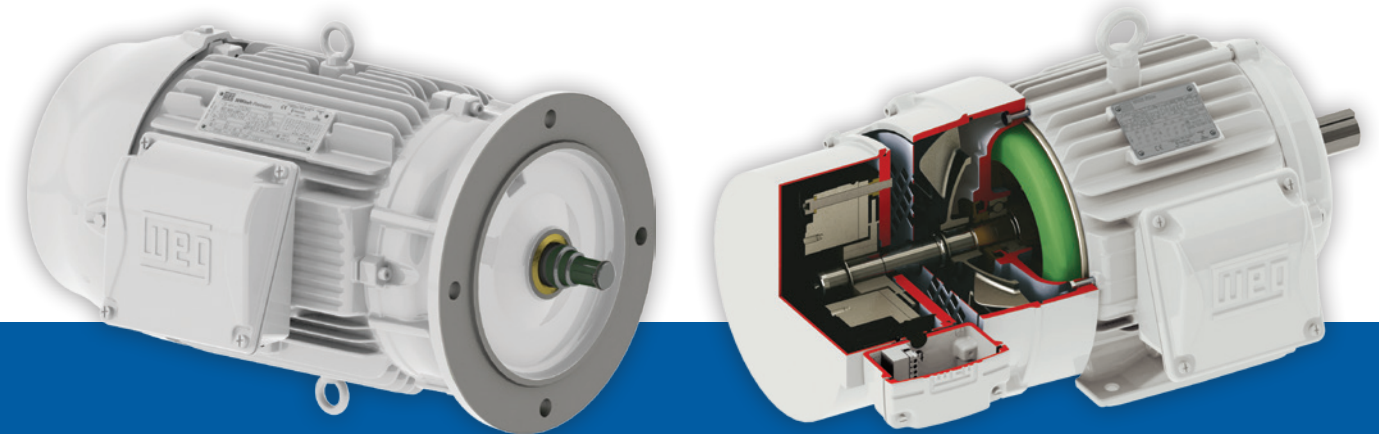
W22 Wash for Gearbox Type 1

The W22 Wash motors for Type 1 Gearboxes were developed for applications in gearboxes with direct coupling through special shafts and flanges, typical in the food segment.

This product is flexible to adapt to a great variety of applications, providing fast installation, easy operation and low maintenance costs, increasing its useful life in the application.

W-Easy Maintenance®

Exclusive WEG system that offers excellent performance, with braking torques capable of serving a wide range of applications. The requirements of the W22 Wash line, aligned with the innovative W-Easy Maintenance® project, provide easy access to the internal components of the brake, ensuring safety, fast maintenance and easy adjustment.

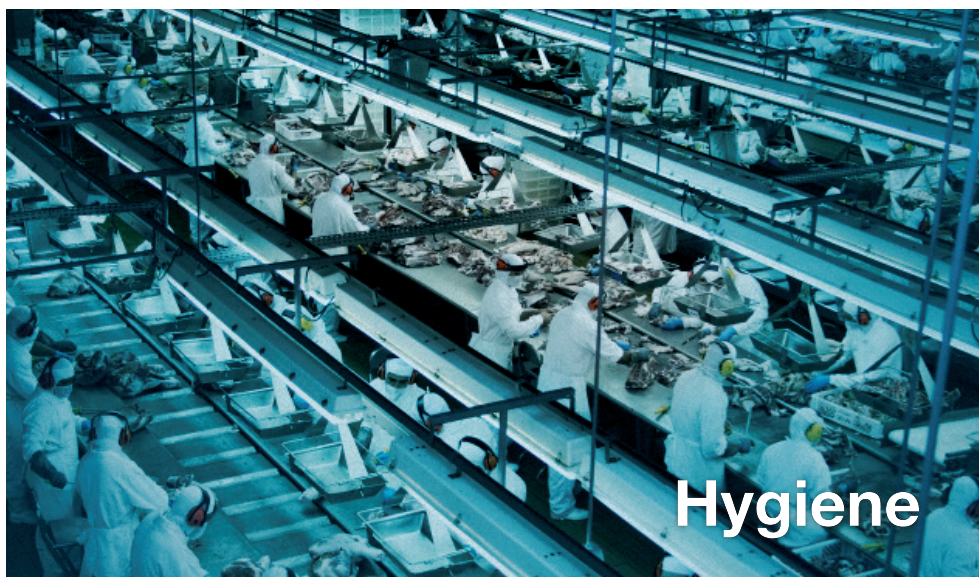


The W22 Wash motor provides **quick return on investment** and **reductions in the operating costs** through **energy savings**.



Application

■ In the slaughtering, cutting and freezing processes of the products, there is a high microbial load that, added to physical and chemical factors, requires the daily cleaning of the motors and equipment with hot water.



■ Pharmaceutical industries require constant hygiene to fight germs, fungi and bacteria.

■ In the Sugar & Ethanol sector, the high humidity in the pumps and the high concentration of dust and bagasse on the motors make this environment unsuitable for standard motors. With the W22 Wash it is possible to eliminate the infiltration of moisture and sanitize the equipment without damaging the motors.



WEG Replacement Plan

The WEG Replacement Plan encourages the replacement of old, damaged and low-efficiency motors.

Your used motor, of any brand, is worth a discount when buying a new WEG motor.

With this, WEG promotes the use of more economical and low maintenance motors, making its plant more efficient and creating awareness of energy conservation.

For more information, please, contact us

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The values shown are subject to change without prior notice.
The information contained is reference values.