

WASHDOWN MOTORS

Solutions for
Washdown
Applications

Motors

Automation

Energy

Transmission and
Distribution

Coatings



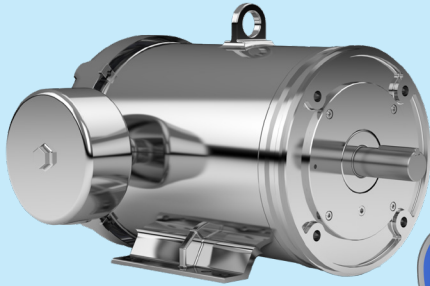
Driving efficiency and sustainability



Encapsulated Washdown Motors

Encapsulated winding and our patented sealing system to ensure they will withstand the most severe applications.

Hydroduty®



Our Ultimate Washdown Motor

- This is our ultimate stainless steel waterproof motor. It has been proven to provide 75% more cycles than other brands through extreme environment testing.
- Significantly reduces motor replacement and downtime costs
- Meets NEMA MG1 Part 31 for Inverter Duty operation; 10:1 CT; 10:1 VT



Available on 56/140T frames

Performance Specifications

- 1/2 to 10 hp, 860, 1140, 1725 or 3450 RPM
- TENV or TEFC enclosures
- NEMA Frames 56C - 215TC
- Metric Frame 80-B5 and 100L
- Meets IP69K enclosure protection

PickerPlus™



Severe Duty Feather Picker Motor

- Withstands frequent sanitizing with high pressure sprays and caustic fluids.
- Designed to withstand extreme side loading requirements

Performance Specifications

- 3 hp, 1725 RPM
- TEFC enclosure
- 145TC NEMA or 100L Metric Frames
- Footless or Base Mounted
- C-Face
- Meets IP69K enclosure protection

General Purpose Washdown Motors

Shark®



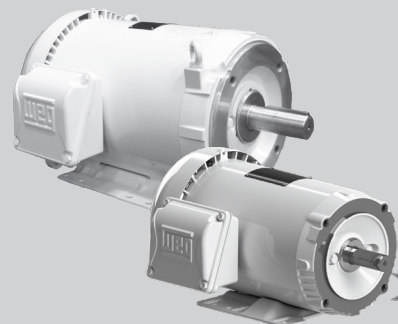
Stainless Steel Washdown Motor

For use in food processing, pharmaceutical and other applications requiring extreme cleanliness.

- Insulation Class: F (Class H available under request).
- Efficiency: NEMA Premium @ 60hz and IE3 for 50hz.
- Degree of protection: IP66

- Enclosures: TEFC and TENV
- 0.33 to 30 HP
- 1200 to 3600 RPM
- Frames 56C to 286TC
- Internal Tropicalization
- 50/60hz on TEFC only

HydroWash®



White Painted Washdown Motor

- Designed for long service life in general purpose washdown applications
- It provides extended service life that can reduce your downtime costs for motor replacement
- Meets NEMA MG1 Part 31 for Inverter Duty operation; 6:1 CT; 10:1 VT

Specifications

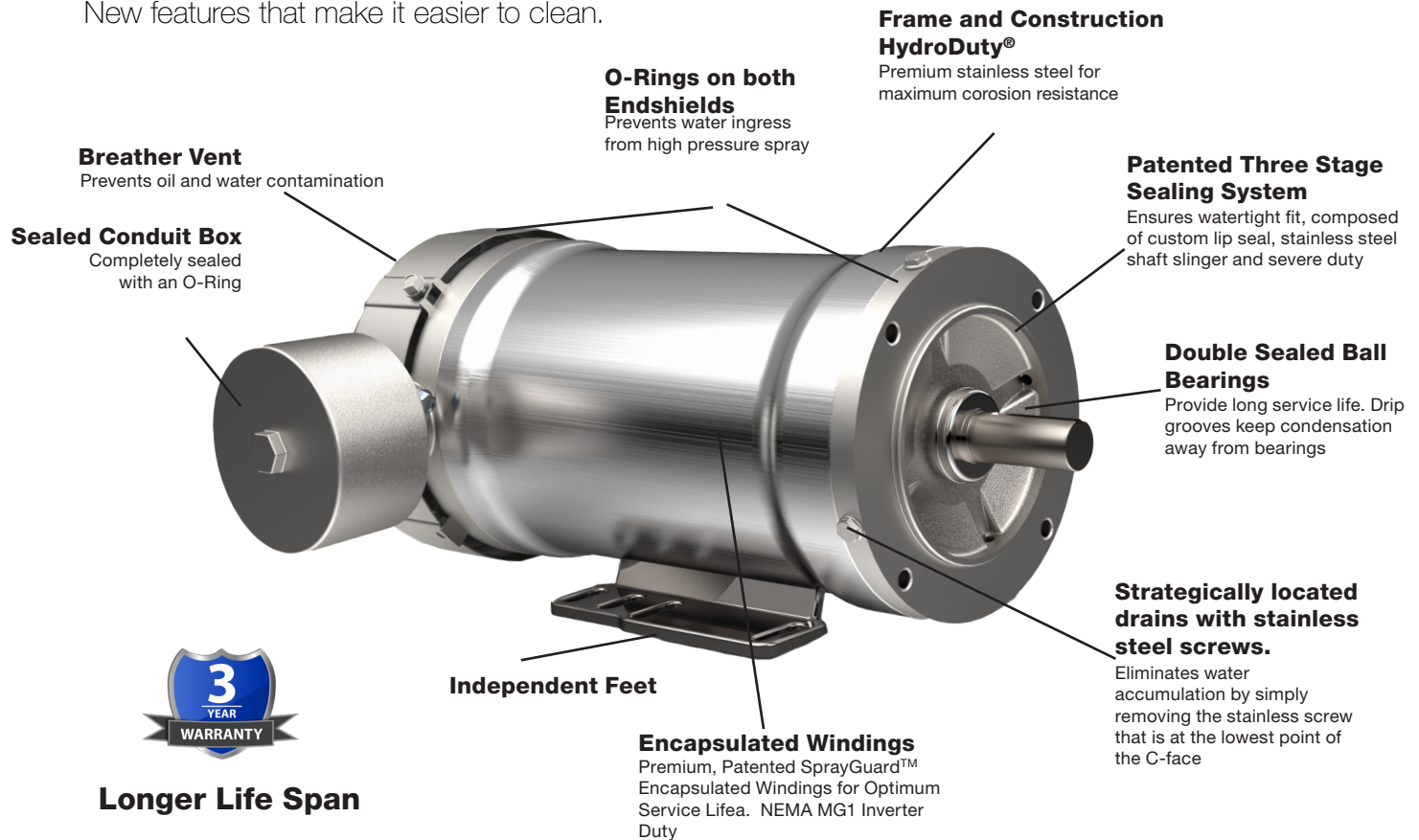
- 1/2 to 25hp
- TENV or TEFC enclosures
- NEMA Frames 56C - 256TC
- Footless or Base Mounted
- Meets IP56 enclosure protection
- JM Pump Motor version available

Cross other manufacturer's models to WEG equivalents



HydroDuty®

New features that make it easier to clean.



HydroDuty® General features

- Available from 0.5HP up to 10 HP
- TENV or TEFC enclosures
- NEMA Frames 56C, 143/5TC, 182/4TC and 213/5TC
- Independent Feet
- Construction Safe for Food, Beverage and Pharmaceutical
- InverterDuty operation
- Protection Degree IP69K
- Internal Aegis Shaft Grounding ring available as factory build
- Voltage: 230/460/ @60hz 190/380V @50hz
- NEMA Premium design and IE3 compliant for 50hz
- Made in the US
- Colored Leads
- EZ connect available for 56C and 143/5TC
- Improved Welding Finish

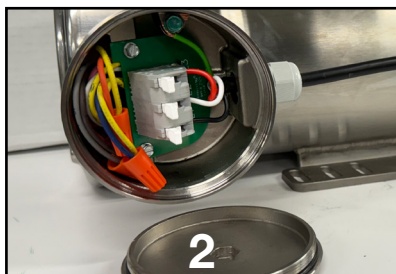


Available on 56/140T frames

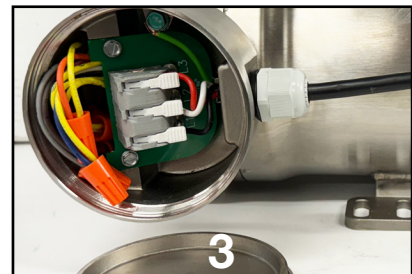
1. Ensure leads are connected for appropriate voltage per nameplate. Attach green ground lead to provided screw terminal.



2. Feed incoming leads into appropriate termination (L1, L2, L3).



3. Close Terminal Levers and tighten waterproof cable gland or conduit connection.



* Patent Pending

PickerPlus™

The **Picker Plus** outperforms any other feather picker motor in the poultry industry, with its oversized double row drive end bearings, encapsulated windings, as well as its patented breather vent.



You Can Trust WEG for the Toughest - Longest Lasting Motor for Feather Picking Applications

Built to last in the harshest environments

- **Durable**—Withstands frequent sanitizing with high pressure sprays and extreme side loading requirements typical of feather pickers
- **Economical**—Outperforms any other motor on the market, and one motor change can cost over \$15,000 in downtime*
- **With a Comprehensive Warranty**—Even covers failures from water ingress

Sealed Top Mounted Conduit Box

- Prevents water accumulation at the leads
- Reduces risk of lead wire failure with watertight heat shrink lead splice kit
- Potted conduit lead wire entrance

Oversized Shaft End Bearings

- Oversized double row drive end bearing designed to handle high side load tensions

Advanced Protection Technology

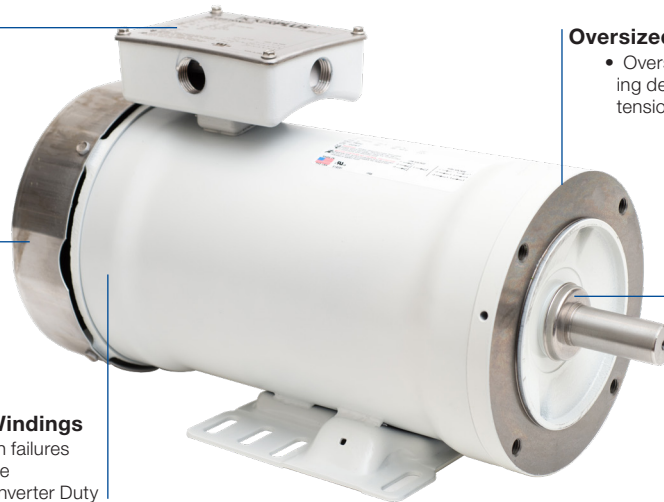
- Eliminates the need for drain plugs with an oil and water resistant breather vent and flared shell design

SprayGuard Encapsulated Windings

- Eliminate common washdown failures
- Protect windings from moisture
- Meet NEMA MG1 Part 31 for Inverter Duty

Patented Three Stage Seal System

- Ensures watertight fit with custom lip seal, stainless steel shaft slinger and specially designed check seal





Standard Features

- Output: 0.33 HP to 30 HP
- Frames: 56C up to 286TC
- Number of poles: 2 up to 6
- Certifications: CSA/UL/CE
- Efficiency: NEMA Premium @ 60hz and IE3 for 50hz
- Frequency: TEFC ratings are rated for 60/50hz while TENV is 60hz only
- Voltage: 230/460//190-220/380-415
- Service Factor: 1.15
- Mounting: F1 (Footless and Foot Mount)
- Flange: C-Face
- Enclosures: TEFC and TENV
- Insulation Class: F (Class H available under request)
- Degree of protection: IP66
- Duty: Continuous
- Shaft: Stainless Steel 300 Series
- Impregnated windings (non-encapsulated)

Note: 50/60hz on TEFC only

Unique Standard Features

- 360 degrees rotatable terminal box
- Welded Terminal Box
- Independent Feet
- Four plugs in each plate
- O'rings in end shields
- Made in North America
- Polished stainless steel finish
- Colored Leads
- Water tight cable gland included
- Suitable for inverter use per NEMA MG1 Part 31.4.4.2
- Lifting provisions 182/4TC - 284/6TC frame

Optional

- SGR shaft grounding ring
- Class H
- 25hp and 30hp models available in frame 280
- Kit with 2 T-drains

HydroWash®

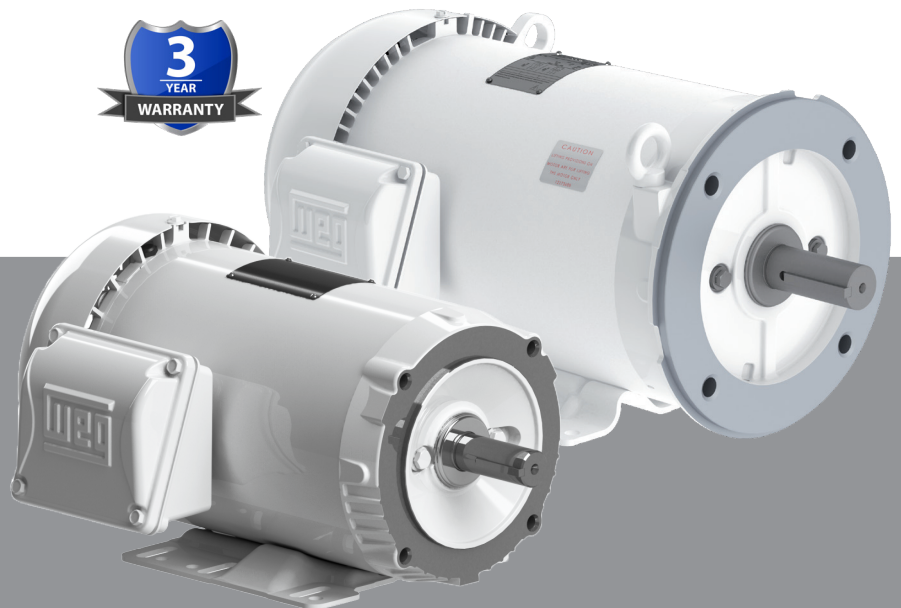
The Washdown line was designed to meet the requirements of industries where there is a constant need for hygiene and cleanliness of the environment through high pressure water jets and/or chemical products. Washdown motors are applied in food, beverage and pharmaceutical industries.

Standard Features

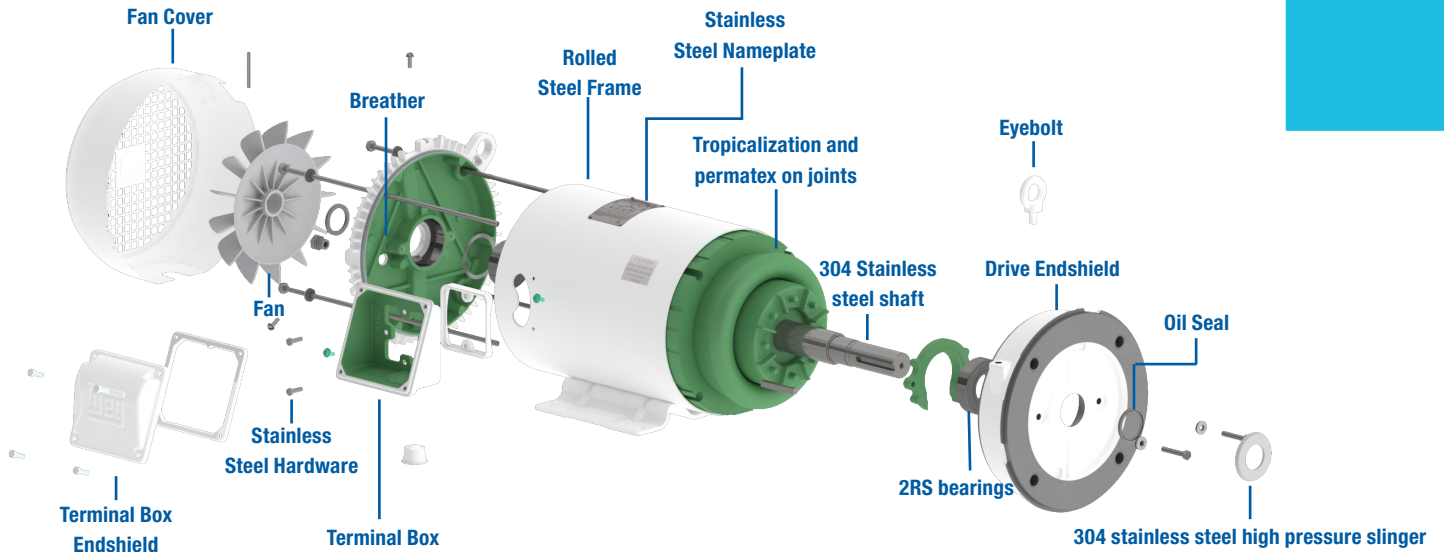
- Output: 1/2 up to 25 HP
- Frames: 56 up to 254/6T
- 1200 - 3600 rpm
- Certification CSA/UL
- Efficiency: NEMA Premium
- Service factor: 1.15
- Mounting: F-1
- Insulation class "F" (ΔT 80 K)
- Degree of protection: IP56
- Shaft material: Stainless Steel (AISI 304)
- Bearing type: Shielded (2RS)
- Permatex on joints
- Color: Porcelain White - Munsell N 9.5
- Internal painting
- Breather on non drive endshield
- Drive end bearing seal: Oil seal with stainless steel spring and 304 stainless steel high pressure external shaft slinger
- Non drive end bearing seal: Oil seal with stainless steel spring

Factory Options

- Other mountings (F2, F3)
- Voltage: 575 V with 6 leads
- Space heaters
- Thermal protection
- Cable glands
- Threaded center hole (shaft)
- SGR shaft grounding ring (Inverter use)
- Shaft material: Stainless Steel (AISI 316)
- Dripcover



Superior Products - Superior Parts





WEG's scope of solutions is not limited to the products and solutions presented in this brochure.

Contact WEG for information on additional products and solutions.

**For WEG's worldwide
operations visit our website**



www.weg.net



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US.Washdown.Motors.Brochure.50168658.9/2026

Information contained herein is subject to change without notice.