



# W01 SHARK MOTORS

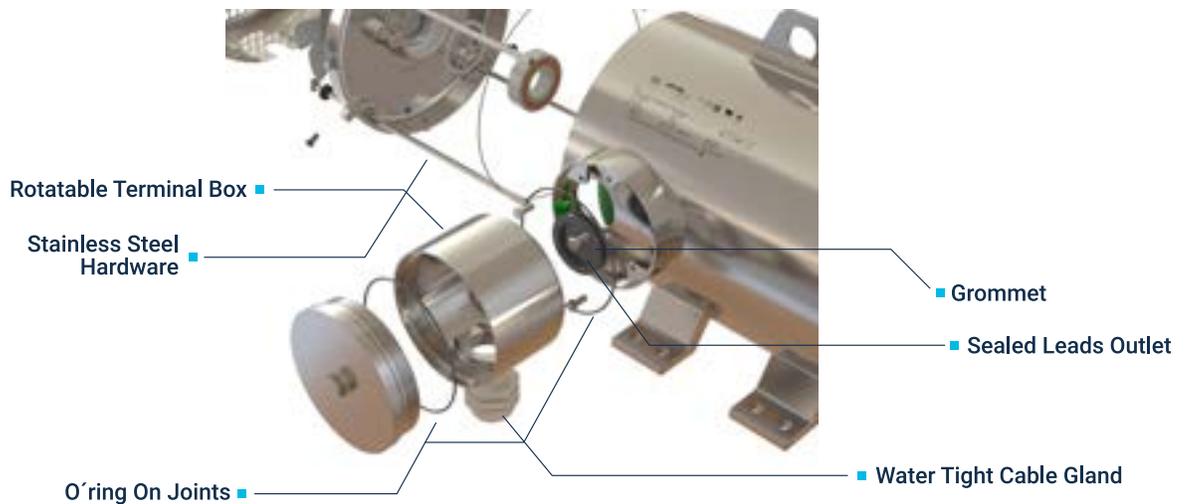
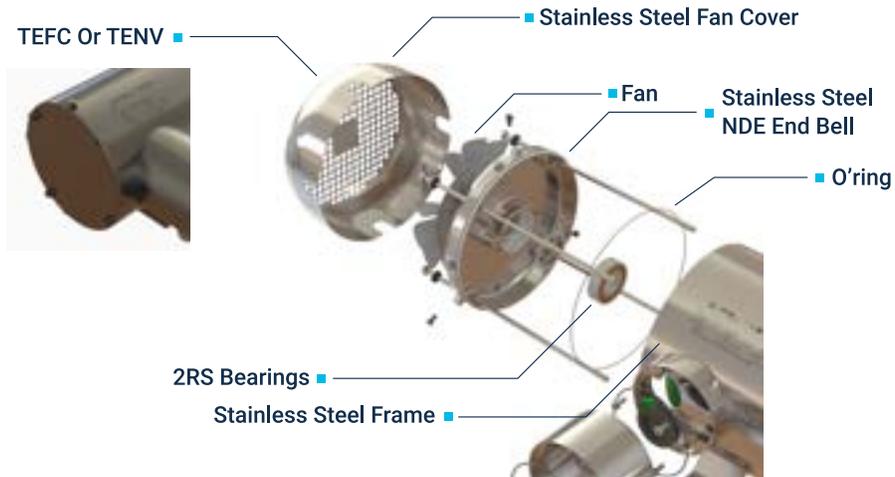
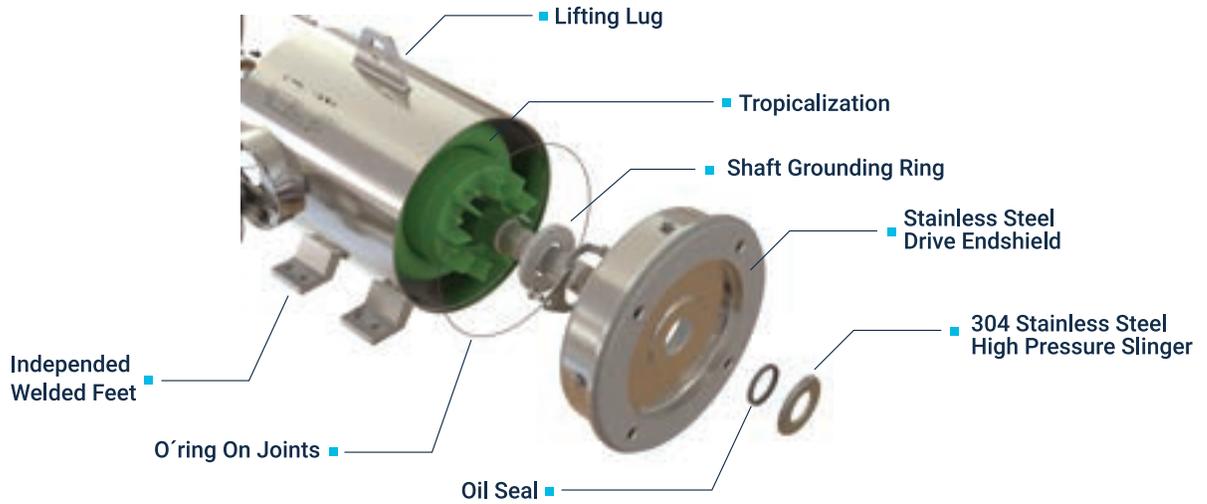
Next Generation of Stainless Steel Motors



- Industrial Motors
- Commercial Motors**
- Automation
- Digital and Systems
- Energy
- Transmission and Distribution
- Paints



# W01 Shark - Engineered for Reliability in Hygienic Operations



# Competitive Advantages

## Welded Lifting Provision

Hygienic design with no gaps—easy to clean and prevents residue buildup.



## Superior IP66 Protection

Strong sealing system with stainless steel slinger, O-rings seals and double sealed bearings. This new generation offers an IP66 degree.



## Tropicalization

Internal painting that protects stator and rotor from moisture and corrosion for longer motor life.



## Engineered for Food & Beverage Excellence

Hygienic, smooth-surface design built to withstand the toughest sanitary requirements and ensure maximum reliability in demanding environments.



## Round and Rotatable Terminal Box

Smooth, rounded surface avoids dirt accumulation and simplifies cleaning can be rotated 360 degrees.



## VFD advanced features

Designed for variable frequency drive operation with enhanced wire spike resistance for long-term reliability. Available with Class H insulation for high-temperature endurance and optional shaft grounding ring to protect bearings.



## Welded Feet Design

Special feet design prevents residue buildup and enhances cleaning efficiency.



## Compliance & Versatility

UL, CSA, and CE Certified: Built to meet rigorous compliance requirements and deliver reliable operation at 50 Hz and 60 Hz.





# Features

## Standard Features:

- Output: 0.33 HP to 20 HP
- Frames: 56C up to 254/6TC
- Number of poles: 2 up to 6
- Certifications: CSA/UL/CE
- Efficiency: NEMA Premium @ 60hz and IE3 for 50hz
- 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)

## Unique Standard Features:

- 360 degrees rotatable terminal box
- Welded Terminal Box
- Independent Feet
- Four T-drains in each endplate
- 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 - 254/6TC frame

## Optional:

- SGR shaft grounding ring
- Class H

# Applications

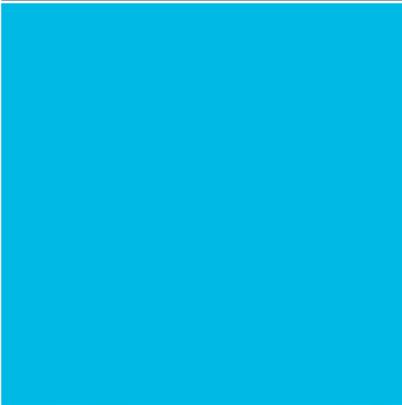
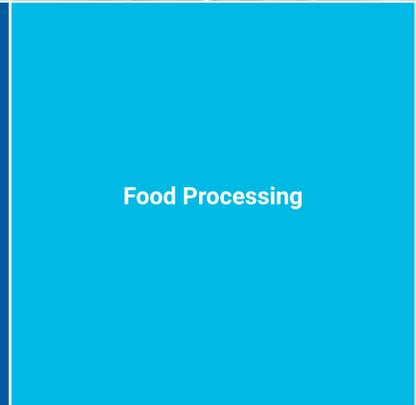
Stainless steel washdown motors designed for applications where there is constant cleaning with chemicals and high-pressure water jets.



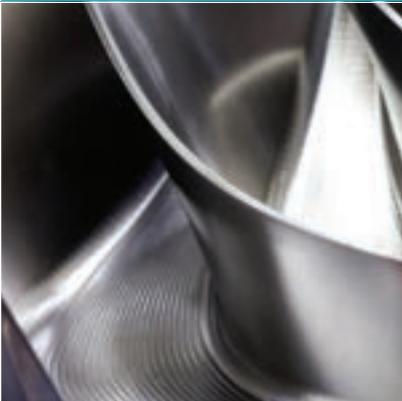
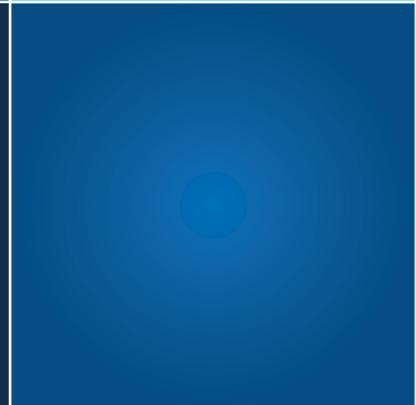
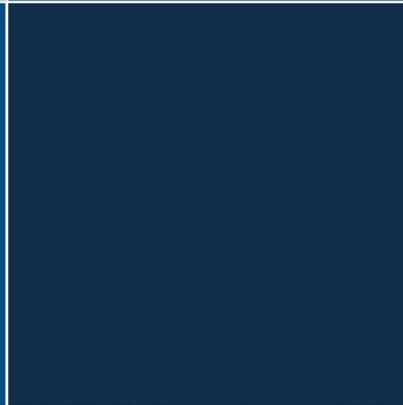
Beverage Industry



Food Processing



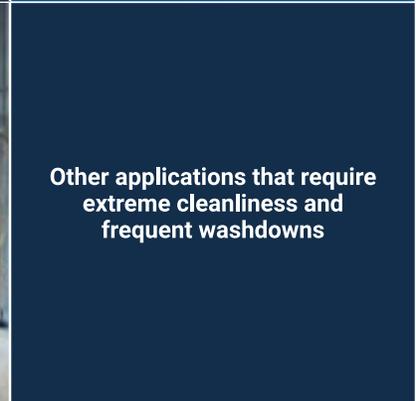
Pharmaceutical  
Manufacturing



Corrosion Resistant  
Equipment

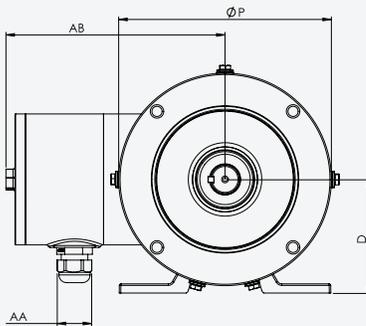
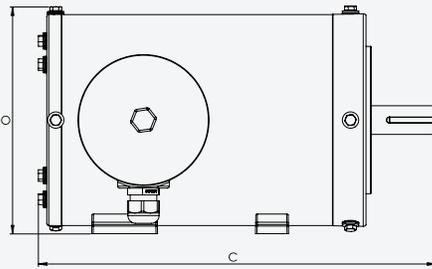


Other applications that require  
extreme cleanliness and  
frequent washdowns





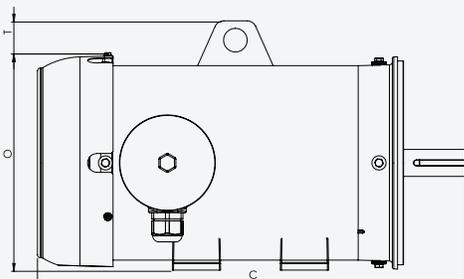
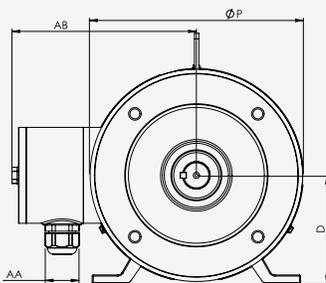
## TENV Design



Dimensions mm/in	Frame 56C	Frame 56HC	Frame 143/5TC
ØP	163.8/6.44	163.8/6.44	163.8/6.44
AB	169.9/6.68	169.9/6.68	169.9/6.68
O	165.6/6.51	165.6/6.51	165.6/6.51
D	88.15/3.47	88.15/3.47	88.15/3.47
C max.	356.5/14.03	356.5/14.03	358.2/14.1
ØAA	1/2"	1/2"	3/4"
Front Bearing	6204 RS	6204 RS	6205 RS
Rear Bearing	6203 RS	6203 RS	6203 RS



## TEFC Design



Dimensions mm/in	Frame 56C	Frame 56HC	Frame 143/5TC	Frame 182/4TC	Frame 213/5TC	Frame 254/6TC
ØP	164.85/6.49	164.85/6.49	164.85/6.49	224.95/8.85	247.8/9.75	292.03/11.49
AB	169.9/6.68	169.9/6.68	169.9/6.68	195.3/7.68	291.1/8.62	253.8/9.99
O	184.2/7.26	184.2/7.26	184.2/7.26	264.1/10.39	304.4/11.98	364.3/14.34
T	-	-	-	33.84/1.33	33.31/1.31	42.06/1.65
D	88.15/3.47	88.15/3.47	88.15/3.47	113.55/4.47	132.6/5.22	158/6.22
C max.	402/15.82	402/15.82	402.7/15.89	544/21.41	620/24.4	644/23.35
ØAA	1/2"	1/2"	3/4"	3/4"	1"	1 3/4"
Front Bearing	6204 RS	6204 RS	6205 RS	6206 RS	6208 RS	6309 RS
Rear Bearing	6203 RS	6203 RS	6203 RS	6205 RS	6206 RS	6208 RS

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

Contact WEG for information on additional products and solutions.



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