worldwideelectric.com
(800) 808-2131

Stainless Steel Single-phase Washdown Motors

NSSE MOTORS



- **IP55 water-tight protection for washdown applications**
- **Totally Enclosed Fan Cooled (TEFC) Enclosure**
- **Single-phase motors**
- **Premium Efficient: ⅓ - 2 hp**
- **1.15 Service Factor**
- **115/230 Volts at 60 Hz**
- **3600 and 1800 rpm at 60 Hz**
- **Frame Size: 56C**
- **Two Year Warranty**

Construction

- C-Face with Feet
- Capacitor Start / Capacitor Run
- 304 Stainless Steel Construction
- F1 mounting configuration
- Oil Seal on DE and ODE

Protection & Environmental

- IP55 Protection
- Class F Insulation
- Paint Free Design

Standards & Approvals

- CSA Certification

Applications

WorldWide IP55 Stainless Steel washdown duty motors are engineered for harsh, high-moisture, and sanitary environments where frequent washdowns, humidity, and exposure to cleaning chemicals are common. Featuring corrosion-resistant stainless steel construction and IP55-rated protection against dust and water ingress, these motors deliver reliable performance, durability, and easy maintenance in demanding conditions.

- Food and Beverage Processing: Driving conveyors, mixers, pumps, and packaging equipment while withstanding high-pressure wash-downs and strict sanitation standards.
- Pharmaceutical and Chemical: Powering processing and handling equipment in clean or corrosive environments requiring hygienic, contamination-resistant designs.
- Meat and Poultry Operations: Operating cutting, deboning, and material handling systems in facilities with frequent sanitation cycles.
- Dairy and Brewing: Supporting agitation, bottling, and transfer systems exposed to moisture, steam, and cleaning solutions.

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Stainless Steel Motor Comparison

Series	SSPE Three-phase			NSSE Single-phase	NAWSS/NAWSSE Three-phase
Features & Options					
Frame Type	TEFC		TENV	TEFC	TEFC
Frame Options	JM Shaft (1-20 hp)	56C (⅓ - ¾ hp) TC (1 - 30 hp) TSC (25 - 30 hp)	56C (⅓ - 1 hp) TC (1 - 3 hp) CRD (⅓ - 2 hp) TCRD (1 - 3 hp)	56C	56C (½ - 2hp) 56CRD (1 - 2 hp)
NEMA Frame Sizes	143 - 256	56C- 286	56C - 182	56C	
C-face with Feet	Yes				
C-face Round Body (Footless)	-	Yes	Yes	-	Yes
Voltage	230/460 Volt at 60 Hz Suitable for 50 Hz, 190/380V, 1.15 SF (Derate in HP)			115/230 Volts at 60 Hz	230/460 Volt at 60 Hz
Speed	1800, 3600 rpm	1200 rpm (1/2 - 3 hp) 1800, 3600 rpm (1/3 - 30 hp)		1800, 3600 rpm	1800 rpm
Horse Power	1 - 20 hp	⅓ - 30 hp	⅓ - 3 hp	⅓ - 2 hp	½ - 2 hp
Service factor	1.15				
Premium Efficient	Yes				NAWSSE Series Only (1 - 2 hp)
BEAG Certified	Yes				-
IP Rating	**IP69K**			IP55	IP56
Encapsulated Windings	Yes	Optional (⅓ - 20 hp)	-		-
Mounting	F1				
Invertor Duty	- 56C, 143/5TC/JM, 182/4TC/JM – 10:1 CT / 20:1 VT – T3 - 213/5TC/JM – 6:1 CT / 20:1 VT – T3 - 254/6TC/JM – 4:1 CT / 20:1 VT – T3 - 284/6TC – 3:1 CT / 20:1 VT – T3			-	-
Other Features	- NEMA Design B - Bi-directional Rotation - Viton Oil Seal on DE and ODE - Double Sealed Bearings - Factory Certified Class 1 Div 2 Groups A, B, C, D – Temp. Code T3 - Ambient -20°C to +40°C, Altitude up to 3300 Feet Above Sea Level (FASL)			- Capacitor Start/ Capacitor Run - Oil Seal on DE and ODE - CSA Certification (Factory Certified)	- Double Lip Seals on Both Ends of the Motor with an Additional Shaft Slinger on the Drive-End - Stainless Steel Cord Connector Included