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Stainless Steel Close Coupled Pump Motors

SSPE-JM MOTORS

- **Premium Efficient, three-phase motors**
- **JM shaft pumping applications**
- **IP69K rated for wash-down application**
- **Close-coupled with mechanical seal**
- **BISSC/BEAG certified**
- **1 - 20 hp**
- **3600 and 1800 rpm**
- **Frame Sizes: 143 - 256**
- **1.15 Service Factor**
- **230/460 Volts at 60 Hz**
- **Continuous and Inverter Duty**



Construction

- Totally Enclosed Fan Cooled (TEFC) enclosure
- C-face with feet
- NEMA Design B
- 304 stainless steel frame, end bracket, JM shaft, key, and hardware
- Round welded junction box with epoxy potted leads
- F1 mounting configuration
- Bi-directional rotation
- Encapsulated windings
- Lip Seal on DE and ODE
- Double sealed bearings pre-packed with Mobil Polyrex EM grease

Protection & Environmental

- Class F insulation with Class B temperature rise
- CSA Class 1 Division 2 Groups A, B, C, D Temperature Code T3
- Ambient - 20 °C to +40 °C, altitude up to 3300 ft above sea level (FASL)
- In accordance with NEMA, CSA, UL, and CE

Invertor Duty Ratings

- 143/5JM - 182/4TC – 10:1 CT / 20:1 VT – T3
- 213/5TC – 6:1 CT / 20:1 VT – T3
- 254/6TC – 4:1 CT / 20:1 VT – T3

Applications

Provides protection against close-range, high-pressure, high-temperature spray downs, making them ideal for food and chemical processing plants, pharmaceutical applications and other environments where corrosion-resistant, watertight motors with mechanical seals are required.

1 Not all combinations of HP, frame and styles may be possible.

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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