



SST Washguard - 3-phase Motors

Features

Stainless Steel Tough for demanding wash down applications!

- All exterior components of 300-Series stainless steel, including motor frame, endshield and conduit box castings
- 208-230/460 Voltage up to 2HP
- 1800 or 3600 RPM models available
- Offered in C-Face with Base or C-Face without Base.
- Moisture resistant sealant between frame and endbells
- Four locations for T-drains provided on each endshield
- Full-fact nameplate is laser etched on the motor frame
- CE mark



191202.00

All Washguard series features:

- Interior Corrosion Protection
- Shaft seals on both ends of TEFC motors
- Sealed Bearings
- Internally locked shaft-end bearing
- Meets IP55 enclosure protection
- UL Recognized, CSA

Applications

Designed to meet the demanding washdown conditions that you may find in the food processing, chemical processing, pharmaceutical, and beverage/brewing industries..

Motor Specifications – 3-Phase											
Part Number*	Price	HP	Base RPM	Volts	Service Factor	Encl.	NEMA Design	NEMA Frame	Weight (lb)	Drawing Links	
C-Face with Base											
191207.00		3/4	1800	208–230/460 VAC	1.15	TENV	B	56C	35	PDF	
191206.00			3600					32	PDF		
191487.00		1	1800			TEFC		143TC	46	PDF	
191561.00		1 1/2						56HC	48	PDF	
191562.00		2	3600					56HC	49	PDF	
C-Face without Base											
191202.00		1/3	1800	208–230/460 VAC	1.15	TENV	B	56C	30	PDF	
191569.00		2						TEFC	56C	47	PDF
191570.00								145TC	67	PDF	



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Performance Data - 3-Phase													
Part Number	HP	F.L. RPM	Current @ 230V/460V (Amps)			Torque (lb-ft)			Torque Speed Rating		F.L. Effic. %	F.L. Power Factor	Resistance Main
			No Load 460V	Full Load 230/460V	Locked Rotor	Full Load	Locked Rotor	Break-down	Constant	Variable			
C-Face with Base													
<u>191207.00</u>	3/4	1740	0.7	2.4-2.3/1.2	9.3	2.25	7.25	10.19	1000:1	10:1	82.5	73	17.8
<u>191206.00</u>		3450	0.45	2.2-2.0/1.0	6.9	1.14	2.68	3.25	1000:1	10:1	78.5	86	5.67
<u>191487.00</u>	1	1750	1	3.2-3.0/1.5	15.1	2.99	13.20	15.80	10:1	10:1	85.5	71.5	0
<u>191561.00</u>	1 1/2	1750	1.3	4.8-4.4/2.2	19.9	4.51	18.10	21.05	10:1	10:1	86.5	73.5	0
<u>191562.00</u>	2	3450	0.9	5.3-5.0/2.5	25.4	3.00	10.70	11.80	10:1	10:1	85.5	87.5	0
C-Face without Base													
<u>191202.00</u>	1/3	1740	0.45	1.2-1.3/0.65	4.5	1.00	3.50	4.50	1000:1	10:1	78.5	63	9.63
<u>191569.00</u>	2	1750	1.4	5.8-5.4/2.7	23.4	6.00	17.40	25.40	10:1	10:1	86.5	80	0
<u>191570.00</u>		1750	1.4	5.8-5.4/2.7	23.4	6.00	17.40	25.40	10:1	10:1	86.5	80	0

* Rotor Inertia Data (lb-ft²) not available from manufacturer

Leeson® Washguard® Motors

Chemical Resistance Comparison

When choosing a Leeson Washguard(Trademark) SST Stainless Steel or White Duck White Epoxy motor, utilize the following chemical comparison chart to determine which may best fit your application.

CHEMICAL RESISTANCE COMPARISON			
CHEMICAL NAME	% CONCENTRATION	WHITE EPOXY	STAINLESS STEEL
<i>Continuous Exposure</i>			
Fresh Water	100	Excellent	Excellent
Salt Water	5	Excellent	Excellent
Salt Brine	Dilute	Fair	Good
Ammonium Hydroxide	Dilute	Good	Excellent
Citric Acid	10	Good	Excellent
Ethylene Glycol	100	Excellent	Excellent
Mineral Spirits	100	Excellent	Excellent
Sodium Hydroxide	5	Fair	Excellent
Sodium Hydroxide	20	Fair	Excellent
Sodium Hydroxide	50	Excellent	Excellent
Toluene	100	Fair	Fair
Animal Fats	NA	Excellent	Excellent
Mineral Oils	NA	Excellent	Excellent
Vegetable Oils	NA	Excellent	Excellent
Cutting Oils	NA	Excellent	Excellent
Detergents	NA	Excellent	Excellent
Gasoline	NA	Fair	Fair
Hydraulic Fluid	NA	Excellent	Excellent
Lubricating Oils	NA	Excellent	Excellent
General Weathering	NA	Fair	Excellent
Mold/Mildew	NA	Excellent	Excellent
Light Abrasion	NA	Excellent	Excellent
Heavy Abrasion	NA	Fair	Excellent
<i>Intermittent Exposure</i>			
Calcium Hydroxide (Lime)	100	Good	Excellent
Hydrochloric Acid	37	Good	Poor
Lactic Acid	Dilute	Excellent	Excellent
Lactic Acid	100	Fair	Fair
Potassium Hydroxide	50	Fair	Fair
Sodium Hypochlorite (Bleach)	15	Excellent	Excellent
Sulfuric Acid	10	Fair	Fair



Or...

