



# SST Washguard<sup>®</sup> 1-phase Motors



**119475.00**

## SST Features

### ***Stainless Steel Tough for demanding wash down applications!***

- All exterior components of 300Series stainless steel, including motor frame, endshield and conduit box castings
- Available in 115/230 Voltage rating and 1800RPM speed rating.
- Moisture resistant sealant between frame and endbells
- Four locations for T-drains provided on each endshield
- Full-face nameplate is laser etched on the motor frame
- CE mark

## All Washguard<sup>®</sup> series features:

- Interior Corrosion Protection
- Shaft seals on both ends of TEFC motors
- Sealed Bearings
- Internally locked shaftend 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 – 1-phase

Part Number*	Price	HP	Base RPM	Volts	Service Factor	Encl.	NEMA Design	NEMA Frame	Weight (lb)	Drawing Links
<b>C-Face with Base</b>										
<a href="#"><u>191475.00</u></a>	\$738.00	1/2	1800	115/230 VAC	1.15	TEFC	N	56C	32	<a href="#">PDF</a>
<a href="#"><u>191477.00</u></a>	\$848.00	3/4							39	<a href="#">PDF</a>
<a href="#"><u>191479.00</u></a>	\$874.00	1							38	<a href="#">PDF</a>

## Performance Data - 1-phase

Part Number	HP	F.L. RPM	Current @ 115V/230V (Amps)			Torque (lb-ft)			F.L. Effic. %	F.L. Power Factor	Resistance Main	Rotor Inertia (lb-ft <sup>2</sup> )
			No Load 230V	Full Load 115/230V	Locked Rotor	Full Load	Locked Rotor	Break-down				
<b>C-Face with Base</b>												
<a href="#"><u>191475.00</u></a>	1/2	1725	3.46	8.2/4.1	19.96	1.50	5.01	4.04	61	65	3.42	N/A*
<a href="#"><u>191477.00</u></a>	3/4		4.12	9.8/4.9	27.4	2.38	6.44	5.60	72	68	2.694	
<a href="#"><u>191479.00</u></a>	1		4.9	13.6/6.8	39	3.00	8.76	7.37	69	69	1.654	

\* Data 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.

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



Or...



# Regal AC Motor Selection – Marathon® & Leeson® 1-phase Motors



Regal 1-phase Motor Selection					
Series	SST Duck	White Duck	JetPump	General Purpose	Fan & Blower
<b>Electrical Characteristics</b>					
Brand	Leeson®	Leeson®	Marathon	Marathon	Marathon
Horsepower range	1/3 – 1	1/3 – 1	1/3 – 2	1/4 – 10	1/4 – 2
Base speed (# poles)	1800 (4)	1800 (4) / 3600 (2)	3600 (2)	1800 (4) / 3600 (2)	1800 (4) / 3600 (2)
Standard voltage	115 / 230	115/208-230	115 / 230	115 / 230, 208 / 230, 115 / 208 – 230 100 – 120 / 200 – 240, 120 / 140 & 100 – 120 / 200 – 240	115 / 230 (G1115), 115 / 208 – 230
Phase / Base frequency (Hz)	1 / 60				
Service factor	1.15	1.15	1.0 / 1.15	1.15 / 1.35	1.15 / 1.2 / 1.25 / 1.35
Design code (NEMA)	N	N	N/A***	B, L, N, O	E, L, N
Insulation class	F	F	B	B, B3, F4	B, B3
Insulation system	IRIS	IRIS	N/A***	N/A***	N/A***
Duty cycle	Continuous				
Thermal protection	None	None	Automatic Reset	Automatic / Manual / None	Automatic / Manual / None (C235)
<b>Mechanical Characteristics</b>					
Frame size (mounting)	56C	56 - 56C	56J	48 – 215T	48 – 56 – 56H
Enclosure	TEFC	TEFC	TEFC	DP	DP
Frame material	300 Series Stainless Steel	White Epoxy Steel	Rolled Steel	Rolled Steel	Rolled Steel
End bracket material	300 Series Stainless Steel	White Epoxy Steel	Cast Aluminum, Steel	Cast Aluminum	Cast Aluminum
Conduit box material	300 Series Stainless Steel	White Epoxy/Stainless Cover	Steel	Steel	N/A***
Fan guard material	300 Series Stainless Steel	White Polypropylene	Steel	N/A***	N/A***
Fan material	Polypropylene	Composite	Plastic	N/A***	N/A***
Lead termination	Conduit box	Conduit box	Conduit box Flying Leads (Jxxx Models) .33HP to 3HP	Conduit box	NPS Hole
Standard mounting	C-Face with Rigid Base	C-Face with Rigid Base & C-face	Footless	Rigid Base	Resilient Base
Drive end shaft slinger	No	No	Yes	No	No
Paint	N/A	White Epoxy	Gray powder-coat	Gray powder-coat Blue enamel	Black powder-coat
Bearings	Double Sealed			Ball Bearings	Ball Bearings
Grease	Exxon Polyrex EM				
Standard conduit box assembly position	F1	F1	F1	F1	F1 (NPS Hole)
<b>Performance Characteristics</b>					
Temperature rise	N/A***				
Encoder provisions	No				
<b>Other Characteristics</b>					
Warranty *	12 months from Installation. 18 months from Purchase.				
Agency listings **	UL Recognized, CSA Certified, and CE Mark				

\* See Terms and Conditions for motor warranty explanation.

Marathon warranty service can be arranged through Rexnord Regal service centers. See list of service centers on our website at [www.automationdirect.com](http://www.automationdirect.com).

\*\* To obtain the most current agency approval information, see the Agency Approval Checklist on the specific part number's web page.

\*\*\* Data not available from manufacturer.