



White Duck Washguard[®] 1-phase Motors

Features

Enhanced performance in wet, humid areas!

- The original moisture-shedding "duck" motor
- Available in 115/230 Voltage rating and 1800 or 3600 RPM speed rating.
- Durable USDA-approved white epoxy finish
- Stainless steel shaft, conduit box cover, nameplate, fan guard
- Drains for all mounting orientations

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 provide greater chemical resistance in harsh chemical processing environments; also handles demanding washdown conditions in the food processing, pharmaceutical, and beverage/brewing industries.



112431.00
112527.00
114311.00

Motor Specifications – 1-phase

Part Number*	Price	HP	Base RPM	Volts	Service Factor	Encl.	NEMA Design	NEMA Frame	Weight (lb)	Drawing Links
Rigid Base										
112431.00		1/2	1800	115/208–230 VAC	1.15	TEFC	N	56	27	PDF
C-Face with Base										
112527.00		1/2	1800	115/208–230 VAC	1.15	TEFC	N	56C	26	PDF
112528.00		3/4							33	PDF
112529.00		1							36	PDF
113583.00									3600	34
C-Face without Base										
114311.00		1/3	1800	115/208–230 VAC	1.15	TEFC	N	56C	26	PDF
114313.00		1/2							25	PDF
114317.00		1							32	PDF

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 ²)
			No Load 230V	Full Load 115/230V	Locked Rotor	Full Load	Locked Rotor	Break-down				
Rigid Base												
112431.00	1/2	1725	3.7	8.8/4.4	20.28	1.50	5.40	4.21	66	58	3.4	N/A
C-Face with Base												
112527.00	1/2	1725	3.7	8.8/4.4	20.28	1.50	5.40	4.21	66	58	3.4	N/A
112528.00	3/4	1725	4.13	10.8/5.4	30.1	2.25	7.16	6.15	70	64	2.6	
112529.00	1	1725	4.6	12.8/6.4	33	3.00	9.00	7.00	75	68	1.9	
113583.00	1	3450	3.7	12.0/6.2-6.0	34	1.50	5.00	4.00	70	76	1.92	
C-Face without Base												
114311.00	1/3	1725	2.68	6.4/3.4-3.2	15.4	1.00	3.78	3.10	62	55	0	N/A
114313.00	1/2	1725	3.7	8.8/4.4	20.28	1.50	5.40	4.49	66	58	3.4	
114317.00	1	1725	4.6	12.8/6.4	33	3.00	9.00	7.00	75	68	1.9	

* 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.

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...

