



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

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Part Number*	Price	HP	Base RPM	Volts	Service Factor	Encl.	NEMA Design	NEMA Frame	Weight (lb)	Drawing Links
Rigid Base										
112431.00	\$558.00	1/2	1800	115/208–230 VAC	1.15	TEFC	N	56	27	PDF
C-Face with Base										
112527.00	\$584.00	1/2	1800	115/208–230 VAC	1.15	TEFC	N	56C	26	PDF
112528.00	\$651.00	3/4							33	PDF
112529.00	\$750.00	1							36	PDF
113583.00	\$618.00		3600						34	PDF
C-Face without Base										
114311.00	\$553.00	1/3	1800	115/208–230 VAC	1.15	TEFC	N	56C	26	PDF
114313.00	\$567.00	1/2							25	PDF
114317.00	\$743.00	1							32	PDF

Performance Data – 1-phase

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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-ft²)
			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...



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



marathon®
Motors

Regal 1-phase Motor Selection					
Series	SST Duck	White Duck	JetPump	General Purpose	Fan & Blower
Electrical Characteristics					
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)
Mechanical Characteristics					
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)
Performance Characteristics					
Temperature rise	N/A***				
Encoder provisions	No				
Other Characteristics					
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.

** 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.