LEESON®

White Duck Washguard® 1-phase Motors



112431.00
112527.00
114311.00

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.

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	$569.00	1/2	1800	115/208–230 VAC	1.15	TEFC	N	56	27	PDF
C-Face with Base										
112527.00	$595.00	1/2	1800	115/208–230 VAC	1.15	TEFC	N	56C	26	PDF
112528.00	$663.00	3/4							33	PDF
112529.00	$764.00	1							36	PDF
113583.00	$630.00		3600						34	PDF
C-Face without Base										
114311.00	$564.00	1/3	1800	115/208–230 VAC	1.15	TEFC	N	56C	26	PDF
114313.00	$578.00	1/2							25	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·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	

* Data not available from manufacturer

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White Duck Washguard® 3-phase Motors

Motor Shipping Schedule *		
Same or one day *	Up to 7 days	Up to 10 days

Color indicates shipping lead time in business days. Check stock status online.

* Certain heavy and oversized items can be shipped only via LTL. Check our website for current shipping method constraints by part number.



112427.00
113586.00
113649.00

Motor Specifications – 3-Phase

Part Number*	Price	hp	Base rpm	Volts	Service Factor	Encl.	NEMA Design	NEMA Frame	Weight (lb)	Drawing Links
Rigid Base										
112427.00	$581.00	1/2	1800	208–230/460 VAC	1.15	TEFC	B	56	27	PDF
112428.00	$609.00	3/4							30	PDF
119475.00	$842.00	1							57	PDF
121866.00	$1,000.00	2						145T	48	PDF
140820.00	$2,121.00	10		230/460 VAC	1.25			215T	181	PDF
C-Face with Base										
113586.00	$609.00	1/2	1800	230/460 VAC	1.15	TENV	B	56C	25	PDF
112429.00	$609.00			208–230/460 VAC		TEFC			25	PDF
112430.00	$703.00	3/4							29	PDF
119478.00	$1,141.00	1	1200					56HC	43	PDF
119476.00	$891.00		1800						38	PDF
113590.00	$696.00		3600	230/460 VAC		TENV		56C	37	PDF
119480.00	$1,003.00	1 1/2	1800	208–230/460 VAC		TEFC			66	PDF
113591.00	$757.00		3600	230/460 VAC		TENV		56HC	47	PDF
119483.00	$1,119.00	2	1800	208–230/460 VAC		TEFC		56C	38	PDF
121868.00	$1,089.00			230/460 VAC				145TC	48	PDF
119482.00	$1,082.00		3600	208–230/460 VAC			A	56HC	44	PDF
122185.00	$1,111.00							145TC	34	PDF
121870.00	$1,285.00	3	3600	230/460 VAC			B	145C	48	PDF
140822.00	$2,013.00	7 1/2	1800		1.25			213TC	157	PDF
140821.00	$2,317.00	10						215TC	179	PDF
C-Face without Base										
113649.00	$540.00	1/4	1800	208–230/460 VAC	1.15	TENV	B	56C	22	PDF
113473.00	$592.00	1/2							25	PDF
116644.00	$593.00					TEFC			23	PDF
113019.00	$686.00	3/4				TENV			31	PDF
116645.00	$686.00					TEFC			28	PDF
119468.00	$839.00	1							35	PDF
113023.00	$698.00		3600	230/460 VAC		TENV			38	PDF
119469.00	$863.00	1 1/2	1800	208–230/460 VAC		TEFC			40	PDF
122182.00	$1,079.00	2						145TC	60	PDF
119471.00	$1,037.00							56C	50	PDF
122184.00	$1,301.00	3						145TC	57	PDF
141266.00	$1,815.00	7 1/2		230/460 VAC				213TC	135	PDF

Features

Enhanced performance in wet, humid areas!

- The original moisture-shedding "duck" motor
- Durable USDA-approved white epoxy finish
- Stainless steel shaft, conduit box cover, nameplate, fan guard
- 208-230/460 Voltage up to 10HP
- 1800 or 3600 rpm models available
- Mounting options include Rigid Base, C-Face with Base, and C-Face without base.
- Drains for all mounting orientations
- CE mark

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; and handles demanding washdown conditions in the food processing, pharmaceutical, and beverage/brewing industries.

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White Duck Washguard® 3-phase Motors

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			
Rigid Base													
112427.00	1/2	1725	0.8	1.9-2.0/1.0	5.1	1.50	3.75	5.41	10:1	10:1	74	63	31.5
112428.00	3/4	1725	1.1	2.8/1.4	8.1	2.25	6.63	8.38	10:1	10:1	77	65	26.24
119475.00	1	1760	1.0	3.2-3.2/1.6	14	3.00	12.00	15.80	10:1	10:1	85.5	68.5	12.96
121866.00	2	1745	1.7	5.8/2.9	26.58	6.00	24.60	28.80	10:1	10:1	86.5	75.6	6
140820.00	10	1765	6.2	26.8/13.4	79	29.75	55.20	90.00	10:1	10:1	91.7	77	.755
C-Face with Base													
113586.00	1/2	1725	0.65	2.0-1.8/0.90	12.2	1.50	4.51	6.11	1000:1	10:1	78.5	67	9.66
112429.00		1725	0.8	1.9-2.0/1.0	5.1	1.50	3.75	5.41	10:1	10:1	74	63	31.5
112430.00	3/4	1725	1.1	2.7-2.8/1.4	8.1	2.25	6.63	8.38	10:1	10:1	77	65	26.24
119478.00	1	1170	1.2	3.8-3.8/1.9	10.7	4.50	13.50	15.80	10:1	10:1	82.5	60	1.63
119476.00		1760	1.0	3.2-3.2/1.6	14	3.00	12.00	15.80	10:1	10:1	85.5	68.5	12.96
113590.00		3450	0.57	2.8-2.6/1.3	12	1.50	4.50	6.00	1000:1	10:1	77	84.8	0
119480.00	1 1/2	1750	1.23	4.6-4.8/2.4	18.5	4.50	17.20	20.40	10:1	10:1	86.5	67.7	9.12
113591.00		3450	0.77	3.8/1.9	17	2.25	8.20	9.50	1000:1	10:1	84	88	8.92
119483.00	2	1745	1.7	6.0-5.8/2.9	26.58	6.00	24.60	28.80	10:1	10:1	86.5	75.6	6
121868.00		1745	1.7	5.8/2.9	26.58	6.00	24.60	28.80	10:1	10:1	86.5	75.6	6
119482.00		3490	0.95	5.2-4.8/2.4	26.00	3.00	10.80	13.00	10:1	10:1	85.5	88	6.4
122185.00		3490	0.95	5.2-4.8/2.4	26.00	3.00	10.80	13.00	10:1	10:1	85.5	88	6.4
121870.00	3	3490	1.9	8.0/4.0	41	4.50	17.97	20.83	10:1	10:1	86.5	86	3.83
140822.00	7 1/2	1765	6	22.4-21.6/10.8	73	22.20	50.00	64.20	10:1	10:1	91.7	72	.88
140821.00	10	1765	6.2	26.8/13.4	79	29.75	55.20	90.00	10:1	10:1	91.7	77	.755
C-Face without Base													
113649.00	1/4	1725	0.42	1.1/0.55	6.2	0.75	1.99	3.24	1000:1	10:1	68	57	20.15
113473.00	1/2	1725	0.65	2.0-1.8/0.90	12.2	1.50	4.51	6.11	1000:1	10:1	78.5	67	9.66
116644.00		1725	0.8	2.0/1.0	5.1	1.50	3.75	5.41	10:1	10:1	74	63	31.5
113019.00	3/4	1725	0.81	2.7-2.5/1.3	8.42	1.69	5.00	6.63	1000:1	10:1	80	70	23.28
116645.00		1725	1.1	2.7-2.8/1.4	8.1	2.25	6.63	8.38	10:1	10:1	77	65	26.24
119468.00	1	1760	1.0	3.2-3.2/1.6	14	3.00	12.00	15.80	10:1	10:1	85.5	68.5	12.96
113023.00		3450	0.57	2.6/1.3	12	1.50	4.50	6.00	1000:1	10:1	77	85	0
119469.00	1 1/2	1750	1.23	4.6-4.8/2.4	18.5	4.50	17.20	20.40	10:1	10:1	86.5	67.7	9.12
122182.00	2	1745	1.7	6.0-5.8/2.9	26.58	6.00	24.60	28.80	10:1	10:1	86.5	75.6	6
119471.00		1745	1.7	6.0-5.8/2.9	26.58	6.00	24.60	28.80	10:1	10:1	86.5	75.6	6
122184.00	3	3490	1.9	8.8-8.0/4.0	41	4.50	17.97	20.83	10:1	10:1	86.5	86	3.83
141266.00	7 1/2	1765	5.5	19.6/9.8	67.5	22.20	52.90	75.00	10:1	10:1	91.7	78.3	1.18

*** Rotor Inertia Data (lb·ft^2) not available from manufacturer**

Washguard® Motors Chemical Resistance Comparison

When choosing a Leeson Washgaurd(Trademark) SST Stainless Steel or White Duck White Expoxy motor, utilize the following chemcial comparason chart to determine which may best fit your application.

CHEMICAL RESISTANCE COMPARISON			
CHEMICAL NAME	*% CONCENTRATION*	*WHITE EPOXY*	*STAINLESS STEEL*
Continuous Exposure			
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
Intermittent Exposure			
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...

