



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



[191204.00](#)

[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 | | | | | | | | | | | | | |
| 191204.00 | | 1/2 | 1800 | 208–230/460 VAC | 1.15 | TENV | B | 56C | 33 | PDF | | | |
| 191207.00 | | 3/4 | 3600 | | | | | | 35 | PDF | | | |
| 191206.00 | | | | | | | | | 32 | PDF | | | |
| 191487.00 | | 1 | 1800 | | | TEFC | | | | 143TC | 46 | PDF | |
| 191561.00 | | 1 1/2 | 3600 | | | | | | | 56HC | 48 | PDF | |
| 191560.00 | | | | | | | | | | 48 | PDF | | |
| 191491.00 | | 2 | 1800 | | | | | | | 145TC | 57 | PDF | |
| 191563.00 | | | | | | | | | | 56HC | 53 | PDF | |
| 191490.00 | | | | | | | | | | 145TC | 47 | PDF | |
| 191562.00 | | | | | | | | | | 56HC | 49 | PDF | |
| C-Face without Base | | | | | | | | | | | | | |
| 191202.00 | | 1/3 | 1800 | 208–230/460 VAC | 1.15 | TENV | B | 56C | 30 | PDF | | | |
| 191205.00 | | 1/2 | | | | | | | 33 | PDF | | | |
| 191208.00 | | 3/4 | | | | | | | 38 | PDF | | | |
| 191564.00 | | 1 | | | | | | | 67 | PDF | | | |
| 191565.00 | | 2 | | | | | | TEFC | | | 143TC | 44 | PDF |
| 191569.00 | | | | | | | | | | | 56C | 47 | PDF |
| 191570.00 | | | | | | | | | | | 145TC | 67 | PDF |



SST 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 | | | |
| C-Face with Base | | | | | | | | | | | | | |
| <u>191204.00</u> | 1/2 | 1740 | 0.8 | 1.5-1.6/0.80 | 6 | 1.50 | 4.41 | 5.56 | 1000:1 | 10:1 | 81.5 | 68 | 29 |
| <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>191560.00</u> | | 3510 | 0.8 | 4.2-3.8/1.9 | 21.1 | 2.24 | 8.83 | 9.81 | 10:1 | 10:1 | 84 | 88 | 0 |
| <u>191491.00</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>191563.00</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 |
| <u>191490.00</u> | | 3490 | 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 |
| <u>191562.00</u> | | 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>191205.00</u> | 1/2 | 1740 | 0.6 | 1.5-1.6/0.80 | 6 | 1.50 | 4.41 | 5.56 | 1000:1 | 10:1 | 81.5 | 68 | 29 |
| <u>191208.00</u> | 3/4 | 1740 | 0.7 | 2.4-2.3/1.2 | 9.3 | 2.25 | 7.25 | 13.58 | 1000:1 | 10:1 | 82.5 | 73 | 17.8 |
| <u>191564.00</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>191565.00</u> | | 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>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...



Regal AC Motor Selection - Washdown & General Purpose 3-Phase Motors

| Regal 3-phase General Purpose & Washdown Motor Selection | | | | | | |
|--|---|--|---|---------------------------|---|----------------------------------|
| Manuf / Application | Leeson® Washdown | | Marathon® General Purpose | | | |
| Series | SST Duck | White Duck | Jet Pump | NEMA Premium® XRI® | 4-in-1 XRI | Globetrotter |
| Electrical Characteristics | | | | | | |
| HP range | 1/3 - 2 | 1/4 - 10 | 1/3 - 2 | 1 - 10 | 1/3 - 3/4 | 3-200 |
| Base speed (# poles) | 1800 (4) and 3600 (2) | | 3600 (2) | 1200(6), 1800(4), 3600(2) | 1800 (4) and 3600 (2) | 1800 (4) |
| Standard voltage | 208-230/460 | 208-230/460 & 230/460V | 208-230/460 (J063A/65A is 230/460 only) | 208-230/460 | 208-230 / 460 and 575 | 208-230/460 & 230/460V *** |
| Ph/Base frequency (Hz) | 3 / 60 | | | | | |
| Service factor | 1.15 | 1.15 & 1.25 *** | 1.75-1.15 Line 1.0 Drive | 1.15 (line) ; 1.0 (drive) | 1.15 | 1.15 |
| Design code (NEMA) | A & B | B | B | A (E2001A) B (all others) | B | A or B*** |
| Insulation class | F | F | B | F | F3 | F |
| Insulation system | IRIS | IRIS | Max Guard | CR200 magnet wire | | |
| Duty cycle | Continuous | | | | | |
| Thermal protection | None | Some Models | None | | | |
| Mechanical Characteristics | | | | | | |
| Frame size (mounting) | 56C(HC)-143TC- 145TC | 56(C,HC), 145T(TC), 182T(TC), 184T(TC), 213T(TC); 215T(TC) | 56J(HJ) | 56C - 215TC | 56C | 182T - 447T |
| Enclosure | TENV and TEFC | | TEFC and DP | TEFC | TENV and TEFC | Drip Proof and TEFC |
| Frame material | Stainless Steel | Rolled Steel | | | Rolled Steel | Rolled Steel or Cast-iron*** |
| End bracket material | Stainless Steel | Steel | Cast Aluminum, Steel | Aluminum | Cast Aluminum | Steel |
| Conduit box material | Stainless Steel | Steel | | | Steel | Steel |
| Fan guard material | Stainless Steel | Propolyene | Steel | Plastic | Polypropylene | Rolled Steel or Cast-iron*** |
| Fan material | Polypropylene | Composite | Plastic | Polypropylene | Polypropylene | Polypropylene |
| Lead termination | Conduit Box | | | | Conduit box except Terminal block (<1/2 hp) | Conduit box |
| Standard mounting | C-Face with and w/o Base *** | | C-Face with Rigid Base | | C-Face with Removable Base | |
| Drive end shaft slinger | - | - | No | Yes | No | - |
| Paint | N/A | White Epoxy | N/A | Blue enamel | Gray powder | Black powder- coat; Black enamel |
| Bearings | Ball | | | Ball (C3 fit) | Ball | Ball |
| Grease | Exxon Polyrex EM | | | | | |
| Standard conduit box assy. position | F1 only & F1/F2 capable*** | | F1 | F3 | F1 & NPO | F1, F2 reversible*** |
| Performance Characteristics | | | | | | |
| Constant torque speed range | 10:1 TEFC 1000:1 TENV | | 10:1 | 10:1 | 10:1 (TEFC) 1000:1 (TENV) | 10:1 |
| Variable torque speed range | 10:1 | | 10:1 | 10:1 | - | 10:1 |
| Constant HP speed range | 2:1 | 2:1 | 2:1 | 2:1 | 2:1 | 2:1 |
| Temperature rise | F | F | B | F | F | F |
| Encoder provisions | No | No | No | No | No | No |
| Other Characteristics | | | | | | |
| Warranty * | 12 months from installation, 18 months from purchase. (through Rexnord Regal) | | | 3 years | 3 years | 3 years |
| Agency listings ** | UL Recognized, CSA Certified, 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.

***Varies by Model