



# 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

## 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..



[191204.00](#)

[191202.00](#)

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



# 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                 |       |          |                            |                    |              |                |              |            |                     |          |               |                   |                 |
| <a href="#"><u>191204.00</u></a> | 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              |
| <a href="#"><u>191207.00</u></a> | 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            |
| <a href="#"><u>191206.00</u></a> |       | 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            |
| <a href="#"><u>191487.00</u></a> | 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               |
| <a href="#"><u>191561.00</u></a> | 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               |
| <a href="#"><u>191560.00</u></a> |       | 3510     | 0.8                        | 4.2-3.8/1.9        | 21.1         | 2.24           | 8.83         | 9.81       | 10:1                | 10:1     | 84            | 88                | 0               |
| <a href="#"><u>191491.00</u></a> | 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               |
| <a href="#"><u>191563.00</u></a> |       | 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               |
| <a href="#"><u>191490.00</u></a> |       | 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               |
| <a href="#"><u>191562.00</u></a> |       | 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              |       |          |                            |                    |              |                |              |            |                     |          |               |                   |                 |
| <a href="#"><u>191202.00</u></a> | 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            |
| <a href="#"><u>191205.00</u></a> | 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              |
| <a href="#"><u>191208.00</u></a> | 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            |
| <a href="#"><u>191565.00</u></a> | 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               |
| <a href="#"><u>191569.00</u></a> | 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               |
| <a href="#"><u>191570.00</u></a> |       | 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-ft<sup>2</sup>) 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>          |                 |             |                 |
| <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       |
| <i>Intermittent Exposure</i>        |                 |             |                 |
| <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...

