

# STAINLESS MOTORS, INC.

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## STAINLESS STEEL WASHDOWN DUTY MOTOR DATA SHEET

Date: 06/22/05

|   |                               |
|---|-------------------------------|
| <b>RATED HORSEPOWER</b>   | <b>7.5 hp</b>                 |
| <b>VOLTAGE / PHASES / FREQUENCY</b>                               | <b>208-230/460/3/60Hz</b>     |
| <b>FULL LOAD SPEED</b>  | <b>1760 RPM</b>               |
| <b>APPLICABLE NEMA FRAMES</b>                                     | <b>213, 213C, 213T, 213TC</b> |
| <b>ENCLOSURE TYPE</b>   | <b>TEFC</b>                   |
| <b>SERVICE FACTOR</b>   | <b>1.15</b>                   |
| <b>INSULATION CLASS</b>   | <b>F</b>                      |
| <b>MAXIMUM AMBIENT TEMPERATURE</b>                                | <b>40°</b>                    |
| <b>BEARING SIZE / TYPE</b> (SHAFT END)                            | <b>6307-2RS</b>               |
| (OPPOSITE SHAFT END)  | <b>6206-2RS</b>               |
| <b>NEMA DESIGN LETTER</b>   | <b>B</b>                      |
| <b>NEMA CODE LETTER</b>   | <b>K</b>                      |
| <b>FULL LOAD CURRENT</b>  | <b>20.7-19.2/9.6 AMPS</b>     |
| <b>NOMINAL FULL LOAD EFFICIENCY</b>                               | <b>90.2%</b>                  |
| <b>SUITABLE FOR USE WITH VARIABLE FREQUENCY DRIVE (4:1 RATIO)</b> | <b>YES</b>                    |

### HP/SF RATING CRITERIA WITH LINE VOLTAGE INPUT

|  |                              |
|--|------------------------------|
| <b>VOLTAGE VARIATION</b>                   | <b>LESS THAN ± 10%</b>       |
| <b>PHASE VOLTAGE IMBALANCE (60HZ LINE)</b> | <b>LESS THAN ± 1%</b>        |
| <b>FREQUENCY VARIATION</b>                 | <b>LESS THAN ± 5%</b>        |
| <b>TEMPERATURE RANGE</b>                   | <b>BETWEEN -15° AND 40°C</b> |
| <b>MAXIMUM ALTITUDE WITHOUT DERATING</b>   | <b>LESS THAN 3,300 Ft.</b>   |

**COMMENTS: CLASS F THERMOSTATS**