

# STAINLESS MOTORS, INC.

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## STAINLESS STEEL WASHDOWN DUTY MOTOR DATA SHEET

Date: 06/22/05

<b>RATED HORSEPOWER</b>	<b>1 hp</b>
<b>VOLTAGE / PHASES / FREQUENCY</b>	<b>208-230/460/3/60Hz</b>
<b>FULL LOAD SPEED</b>	<b>1,750 RPM</b>
<b>APPLICABLE NEMA FRAMES</b>	<b>56, 56C, 143T, 143TC</b>
<b>ENCLOSURE TYPE</b>	<b>TENV</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>6205-2RS</b>
(OPPOSITE SHAFT END)	<b>6203-2RS</b>
<b>NEMA DESIGN LETTER</b>	<b>B</b>
<b>NEMA CODE LETTER</b>	<b>M</b>
<b>FULL LOAD CURRENT</b>	<b>2.9-2.8/1.4 AMPS</b>
<b>NOMINAL FULL LOAD EFFICIENCY</b>	<b>85.5%</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**