

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :																																																																																														
Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code : 14118247																																																																																										
				Catalog # : 00712ET3E254TWLT																																																																																										
<table> <tr><td>Frame</td><td>:</td><td>254/6T</td><td>Locked rotor time</td><td>: 54s (cold) 30s (hot)</td></tr> <tr><td>Output</td><td>:</td><td>7.5 HP (5.5 kW)</td><td>Temperature rise</td><td>: 80 K</td></tr> <tr><td>Poles</td><td>:</td><td>6</td><td>Duty cycle</td><td>: Cont.(S1)</td></tr> <tr><td>Frequency</td><td>:</td><td>60 Hz</td><td>Ambient temperature</td><td>: -48°C to +40°C</td></tr> <tr><td>Rated voltage</td><td>:</td><td>230/460 V</td><td>Altitude</td><td>: 1000 m.a.s.l.</td></tr> <tr><td>Rated current</td><td>:</td><td>19.0/9.48 A</td><td>Protection degree</td><td>: IP55</td></tr> <tr><td>L. R. Amperes</td><td>:</td><td>129/64.5 A</td><td>Cooling method</td><td>: IC411 - TEFC</td></tr> <tr><td>LRC</td><td>:</td><td>6.8x(Code H)</td><td>Mounting</td><td>: F-1</td></tr> <tr><td>No load current</td><td>:</td><td>9.20/4.60 A</td><td>Rotation<sup>1</sup></td><td>: Both (CW and CCW)</td></tr> <tr><td>Rated speed</td><td>:</td><td>1180 rpm</td><td>Noise level<sup>2</sup></td><td>: 59.0 dB(A)</td></tr> <tr><td>Slip</td><td>:</td><td>1.67 %</td><td>Starting method</td><td>: Direct On Line</td></tr> <tr><td>Rated torque</td><td>:</td><td>33.4 ft.lb</td><td>Approx. weight<sup>3</sup></td><td>: 300 lb</td></tr> <tr><td>Locked rotor torque</td><td>:</td><td>250 %</td><td></td><td></td></tr> <tr><td>Breakdown torque</td><td>:</td><td>300 %</td><td></td><td></td></tr> <tr><td>Insulation class</td><td>:</td><td>F</td><td></td><td></td></tr> <tr><td>Service factor</td><td>:</td><td>1.25</td><td></td><td></td></tr> <tr><td>Moment of inertia (J)</td><td>:</td><td>3.92 sq.ft.lb</td><td></td><td></td></tr> <tr><td>Design</td><td>:</td><td>B</td><td></td><td></td></tr> </table>				Frame	:	254/6T	Locked rotor time	: 54s (cold) 30s (hot)	Output	:	7.5 HP (5.5 kW)	Temperature rise	: 80 K	Poles	:	6	Duty cycle	: Cont.(S1)	Frequency	:	60 Hz	Ambient temperature	: -48°C to +40°C	Rated voltage	:	230/460 V	Altitude	: 1000 m.a.s.l.	Rated current	:	19.0/9.48 A	Protection degree	: IP55	L. R. Amperes	:	129/64.5 A	Cooling method	: IC411 - TEFC	LRC	:	6.8x(Code H)	Mounting	: F-1	No load current	:	9.20/4.60 A	Rotation <sup>1</sup>	: Both (CW and CCW)	Rated speed	:	1180 rpm	Noise level <sup>2</sup>	: 59.0 dB(A)	Slip	:	1.67 %	Starting method	: Direct On Line	Rated torque	:	33.4 ft.lb	Approx. weight <sup>3</sup>	: 300 lb	Locked rotor torque	:	250 %			Breakdown torque	:	300 %			Insulation class	:	F			Service factor	:	1.25			Moment of inertia (J)	:	3.92 sq.ft.lb			Design	:	B			
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Output	25%	50%	75%	100%	Foundation loads																																																																																									
Efficiency (%)	0.000	89.5	89.5	90.2	Max. traction : 315 lb																																																																																									
	0.000				Max. compression : 615 lb																																																																																									
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<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>					These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.																																																																																									
Rev.	Changes Summary			Performed	Checked	Date																																																																																								
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