

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :																																																																							
Product line	: Rolled Steel Standard Efficiency Three-Phase		Product code :	12895592																																																																			
			Catalog # :	.3318ES3E56CFL-S																																																																			
<table> <tr><td>Frame</td><td>: 56C</td><td>Locked rotor time</td><td>: 55s (cold) 31s (hot)</td></tr> <tr><td>Output</td><td>: 0.33 HP (0.25 kW)</td><td>Temperature rise</td><td>: 80 K</td></tr> <tr><td>Poles</td><td>: 4</td><td>Duty cycle</td><td>: Cont.(S1)</td></tr> <tr><td>Frequency</td><td>: 60 Hz</td><td>Ambient temperature</td><td>: -20°C to +40°C</td></tr> <tr><td>Rated voltage</td><td>: 208-230/460 V</td><td>Altitude</td><td>: 1000 m.a.s.l.</td></tr> <tr><td>Rated current</td><td>: 1.38-1.25/0.624 A</td><td>Protection degree</td><td>: IP55</td></tr> <tr><td>L. R. Amperes</td><td>: 9.80-8.86/4.43 A</td><td>Cooling method</td><td>: IC411 - TEFC</td></tr> <tr><td>LRC</td><td>: 7.1x(Code M)</td><td>Mounting</td><td>: F-1</td></tr> <tr><td>No load current</td><td>: 0.810-0.940/0.470 A</td><td>Rotation<sup>1</sup></td><td>: Both (CW and CCW)</td></tr> <tr><td>Rated speed</td><td>: 1765 rpm</td><td>Noise level<sup>2</sup></td><td>: 52.0 dB(A)</td></tr> <tr><td>Slip</td><td>: 1.94 %</td><td>Starting method</td><td>: Direct On Line</td></tr> <tr><td>Rated torque</td><td>: 0.982 ft.lb</td><td>Approx. weight<sup>3</sup></td><td>: 19.3 lb</td></tr> <tr><td>Locked rotor torque</td><td>: 229 %</td><td></td><td></td></tr> <tr><td>Breakdown torque</td><td>: 300 %</td><td></td><td></td></tr> <tr><td>Insulation class</td><td>: F</td><td></td><td></td></tr> <tr><td>Service factor</td><td>: 1.15</td><td></td><td></td></tr> <tr><td>Moment of inertia (J)</td><td>: 0.0517 sq.ft.lb</td><td></td><td></td></tr> </table>				Frame	: 56C	Locked rotor time	: 55s (cold) 31s (hot)	Output	: 0.33 HP (0.25 kW)	Temperature rise	: 80 K	Poles	: 4	Duty cycle	: Cont.(S1)	Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C	Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.	Rated current	: 1.38-1.25/0.624 A	Protection degree	: IP55	L. R. Amperes	: 9.80-8.86/4.43 A	Cooling method	: IC411 - TEFC	LRC	: 7.1x(Code M)	Mounting	: F-1	No load current	: 0.810-0.940/0.470 A	Rotation <sup>1</sup>	: Both (CW and CCW)	Rated speed	: 1765 rpm	Noise level <sup>2</sup>	: 52.0 dB(A)	Slip	: 1.94 %	Starting method	: Direct On Line	Rated torque	: 0.982 ft.lb	Approx. weight <sup>3</sup>	: 19.3 lb	Locked rotor torque	: 229 %			Breakdown torque	: 300 %			Insulation class	: F			Service factor	: 1.15			Moment of inertia (J)	: 0.0517 sq.ft.lb		
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Output	25%	50%	75%	100%																																																																			
Efficiency (%)	62.0	64.9	64.0	66.7																																																																			
	61.1		70.2	72.0																																																																			
Power Factor	0.26	0.31	0.47	0.55																																																																			
	0.26		0.58	0.67																																																																			
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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																																																																			
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