

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																																																																							
Product line	: Rolled Steel Standard Efficiency Three-Phase		Product code :	12894704																																																																			
				Catalog # : .5012ES3H56CFL-S																																																																			
<table> <tr><td>Frame</td><td>: 56C</td><td>Locked rotor time</td><td>: 39s (cold) 22s (hot)</td></tr> <tr><td>Output</td><td>: 0.5 HP (0.37 kW)</td><td>Temperature rise</td><td>: 80 K</td></tr> <tr><td>Poles</td><td>: 6</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>: 575 V</td><td>Altitude</td><td>: 1000 m.a.s.l.</td></tr> <tr><td>Rated current</td><td>: 0.794 A</td><td>Protection degree</td><td>: IP55</td></tr> <tr><td>L. R. Amperes</td><td>: 4.29 A</td><td>Cooling method</td><td>: IC411 - TEFC</td></tr> <tr><td>LRC</td><td>: 5.4x(Code K)</td><td>Mounting</td><td>: F-1</td></tr> <tr><td>No load current</td><td>: 0.618 A</td><td>Rotation¹</td><td>: Both (CW and CCW)</td></tr> <tr><td>Rated speed</td><td>: 1160 rpm</td><td>Noise level²</td><td>: 50.0 dB(A)</td></tr> <tr><td>Slip</td><td>: 3.33 %</td><td>Starting method</td><td>: Direct On Line</td></tr> <tr><td>Rated torque</td><td>: 2.26 ft.lb</td><td>Approx. weight³</td><td>: 25.8 lb</td></tr> <tr><td>Locked rotor torque</td><td>: 210 %</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>: 0.1065 sq.ft.lb</td><td></td><td></td></tr> </table>				Frame	: 56C	Locked rotor time	: 39s (cold) 22s (hot)	Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K	Poles	: 6	Duty cycle	: Cont.(S1)	Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C	Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.	Rated current	: 0.794 A	Protection degree	: IP55	L. R. Amperes	: 4.29 A	Cooling method	: IC411 - TEFC	LRC	: 5.4x(Code K)	Mounting	: F-1	No load current	: 0.618 A	Rotation ¹	: Both (CW and CCW)	Rated speed	: 1160 rpm	Noise level ²	: 50.0 dB(A)	Slip	: 3.33 %	Starting method	: Direct On Line	Rated torque	: 2.26 ft.lb	Approx. weight ³	: 25.8 lb	Locked rotor torque	: 210 %			Breakdown torque	: 300 %			Insulation class	: F			Service factor	: 1.15			Moment of inertia (J)	: 0.1065 sq.ft.lb		
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Output	25%	50%	75%	100%																																																																			
Efficiency (%)	62.0	64.0	70.0	72.0																																																																			
Power Factor	0.24	0.44	0.56	0.65																																																																			
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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>																																																																							
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