

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																																																																																														
Product line		: Rolled Steel Premium Efficiency Three-Phase		Product code : 13089807																																																																																										
				Catalog # : 00318OT3E56Z-S																																																																																										
<table> <tr><td>Frame</td><td>:</td><td>56HZ</td><td>Locked rotor time</td><td>: 21s (cold) 12s (hot)</td></tr> <tr><td>Output</td><td>:</td><td>3 HP (2.2 kW)</td><td>Temperature rise</td><td>: 80 K</td></tr> <tr><td>Poles</td><td>:</td><td>4</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>: -20°C to +40°C</td></tr> <tr><td>Rated voltage</td><td>:</td><td>208-230/460 V</td><td>Altitude</td><td>: 1000 m.a.s.l.</td></tr> <tr><td>Rated current</td><td>:</td><td>8.79-7.94/3.97 A</td><td>Cooling method</td><td>: IC01 - ODP</td></tr> <tr><td>L. R. Amperes</td><td>:</td><td>66.8-60.3/30.2 A</td><td>Mounting</td><td>: F-1</td></tr> <tr><td>LRC</td><td>:</td><td>7.6x(Code K)</td><td>Rotation¹</td><td>: Both (CW and CCW)</td></tr> <tr><td>No load current</td><td>:</td><td>3.62-4.20/2.10 A</td><td>Noise level²</td><td>: 52.0 dB(A)</td></tr> <tr><td>Rated speed</td><td>:</td><td>1735 rpm</td><td>Starting method</td><td>: Direct On Line</td></tr> <tr><td>Slip</td><td>:</td><td>3.61 %</td><td>Approx. weight³</td><td>: 43.0 lb</td></tr> <tr><td>Rated torque</td><td>:</td><td>9.08 ft.lb</td><td></td><td></td></tr> <tr><td>Locked rotor torque</td><td>:</td><td>270 %</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>1.15</td><td></td><td></td></tr> <tr><td>Moment of inertia (J)</td><td>:</td><td>0.1424 sq.ft.lb</td><td></td><td></td></tr> <tr><td>Design</td><td>:</td><td>A</td><td></td><td></td></tr> </table>				Frame	:	56HZ	Locked rotor time	: 21s (cold) 12s (hot)	Output	:	3 HP (2.2 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	:	8.79-7.94/3.97 A	Cooling method	: IC01 - ODP	L. R. Amperes	:	66.8-60.3/30.2 A	Mounting	: F-1	LRC	:	7.6x(Code K)	Rotation ¹	: Both (CW and CCW)	No load current	:	3.62-4.20/2.10 A	Noise level ²	: 52.0 dB(A)	Rated speed	:	1735 rpm	Starting method	: Direct On Line	Slip	:	3.61 %	Approx. weight ³	: 43.0 lb	Rated torque	:	9.08 ft.lb			Locked rotor torque	:	270 %			Breakdown torque	:	300 %			Insulation class	:	F			Service factor	:	1.15			Moment of inertia (J)	:	0.1424 sq.ft.lb			Design	:	A			
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Output	25%	50%	75%	100%	Foundation loads																																																																																									
Efficiency (%)	0.000	86.5	86.5	86.9	Max. traction	: 246 lb																																																																																								
Power Factor	0.00	0.59	0.72	0.80	Max. compression	: 289 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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