

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :																																																																							
Product line	: Rolled Steel Premium Efficiency Three-Phase		Product code :	12809201																																																																			
			Catalog # :	.3336OT3E56-S																																																																			
<table> <tr><td>Frame</td><td>: 56</td><td>Locked rotor time</td><td>: 68s (cold) 38s (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>: 2</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>: 1.35-1.22/0.610 A</td><td>Cooling method</td><td>: IC01 - ODP</td></tr> <tr><td>L. R. Amperes</td><td>: 9.05-8.17/4.09 A</td><td>Mounting</td><td>: F-1</td></tr> <tr><td>LRC</td><td>: 6.7x(Code L)</td><td>Rotation<sup>1</sup></td><td>: Both (CW and CCW)</td></tr> <tr><td>No load current</td><td>: 0.776-0.900/0.450 A</td><td>Noise level<sup>2</sup></td><td>: 62.0 dB(A)</td></tr> <tr><td>Rated speed</td><td>: 3520 rpm</td><td>Starting method</td><td>: Direct On Line</td></tr> <tr><td>Slip</td><td>: 2.22 %</td><td>Approx. weight<sup>3</sup></td><td>: 16.0 lb</td></tr> <tr><td>Rated torque</td><td>: 0.492 ft.lb</td><td></td><td></td></tr> <tr><td>Locked rotor torque</td><td>: 250 %</td><td></td><td></td></tr> <tr><td>Breakdown torque</td><td>: 320 %</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>: 1.35</td><td></td><td></td></tr> <tr><td>Moment of inertia (J)</td><td>: 0.0389 sq.ft.lb</td><td></td><td></td></tr> </table>				Frame	: 56	Locked rotor time	: 68s (cold) 38s (hot)	Output	: 0.33 HP (0.25 kW)	Temperature rise	: 80 K	Poles	: 2	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	: 1.35-1.22/0.610 A	Cooling method	: IC01 - ODP	L. R. Amperes	: 9.05-8.17/4.09 A	Mounting	: F-1	LRC	: 6.7x(Code L)	Rotation <sup>1</sup>	: Both (CW and CCW)	No load current	: 0.776-0.900/0.450 A	Noise level <sup>2</sup>	: 62.0 dB(A)	Rated speed	: 3520 rpm	Starting method	: Direct On Line	Slip	: 2.22 %	Approx. weight <sup>3</sup>	: 16.0 lb	Rated torque	: 0.492 ft.lb			Locked rotor torque	: 250 %			Breakdown torque	: 320 %			Insulation class	: F			Service factor	: 1.35			Moment of inertia (J)	: 0.0389 sq.ft.lb		
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Output	25%	50%	75%	100%																																																																			
Efficiency (%)	54.7	59.8	57.5	61.9	66.0	68.0	69.5	70.2																																																															
Power Factor	0.30	0.35	0.54	0.61	0.65	0.74	0.74	0.82																																																															
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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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