

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																																							
Product line	: Rolled Steel Premium Efficiency Three-Phase		Product code :	14798724																																			
				Catalog # : 00156ET3V56C-S																																			
<p>Frame : 56C Output : 1.5 HP (1.1 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 200/400 V Rated current : 4.30/2.15 A L. R. Amperes : 39.1/19.6 A LRC : 9.1x(Code L) No load current : 1.98/0.988 A Rated speed : 3520 rpm Slip : 2.22 % Rated torque : 2.24 ft.lb Locked rotor torque : 229 % Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.1023 sq.ft.lb Design : B</p>																																							
<table> <tr> <td>Output</td><td>25%</td><td>50%</td><td>75%</td><td>100%</td></tr> <tr> <td>Efficiency (%)</td><td>78.4</td><td>80.0</td><td>82.5</td><td>84.0</td></tr> <tr> <td>Power Factor</td><td>0.44</td><td>0.71</td><td>0.82</td><td>0.88</td></tr> </table>				Output	25%	50%	75%	100%	Efficiency (%)	78.4	80.0	82.5	84.0	Power Factor	0.44	0.71	0.82	0.88	<p>Locked rotor time : 30s (cold) 17s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation¹ : Both (CW and CCW) Noise level² : 68.0 dB(A) Starting method : Direct On Line Approx. weight³ : 33.5 lb</p>																				
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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. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.</p>																																							
Rev.	Changes Summary			Performed																																			
				Checked																																			
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Date	27/03/2024																																						
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