

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																						
Product line	: Rolled Steel Standard Efficiency Three-Phase		Product code :	12675949																		
			Catalog # :	.7512OS3E56C-S																		
Frame : 56HC Output : 0.75 HP (0.55 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 2.85-2.58/1.29 A L. R. Amperes : 15.4-13.9/6.97 A LRC : 5.4x(Code J) No load current : 1.60-1.85/0.925 A Rated speed : 1150 rpm Slip : 4.17 % Rated torque : 3.42 ft.lb Locked rotor torque : 200 % Breakdown torque : 270 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.1153 sq.ft.lb Design : A		Locked rotor time : 36s (cold) 20s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 50.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 27.2 lb																				
Output	25%	50%	75%	100%																		
Efficiency (%)	68.4	70.0	74.0	75.5																		
Power Factor	0.27	0.48	0.61	0.71																		
<table> <thead> <tr> <th></th><th>Drive end</th><th>Non drive end</th></tr> </thead> <tbody> <tr> <td>Bearing type</td><td>: 6203 ZZ</td><td>: 6202 ZZ</td></tr> <tr> <td>Sealing</td><td>: Without Bearing Seal</td><td>: Without Bearing Seal</td></tr> <tr> <td>Lubrication interval</td><td>: -</td><td>: -</td></tr> <tr> <td>Lubricant amount</td><td>: -</td><td>: -</td></tr> <tr> <td>Lubricant type</td><td colspan="2" rowspan="3">: Mobil Polyrex EM</td></tr> </tbody> </table>						Drive end	Non drive end	Bearing type	: 6203 ZZ	: 6202 ZZ	Sealing	: Without Bearing Seal	: Without Bearing Seal	Lubrication interval	: -	: -	Lubricant amount	: -	: -	Lubricant type	: Mobil Polyrex EM	
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Notes: USABLE @208V SF 1.00																						
This revision replaces and cancel the previous one, which must be eliminated. (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.			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																		
Performed by				Page																		
Checked by				Revision																		
Date	27/03/2024			1 / 1																		