

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line : ROLLED STEEL		Product code : 13189176 Catalog # : .5036OT1BW56CFL-S				
Frame : W56C Output : 0.5 HP (0.37 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 4.80/2.65-2.40 A L. R. Amperes : 42.2/23.3-21.1 A LRC : 8.8x(Code L) No load current : 1.60/0.690-0.800 A Rated speed : 3510 rpm Slip : 2.50 % Rated torque : 0.103 kgfm Locked rotor torque : 270 % Breakdown torque : 300 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0011 kgm ² Design : N		Locked rotor time : 16s (cold) 9s (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 : 56.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 11.3 kg				
Output	25%	50%	75%	100%		
Efficiency (%)	56.6	60.0	68.0	72.4		
Power Factor	0.64	0.90	0.93	0.94		
Foundation loads						
Max. traction : 4 kgf						
Max. compression : 15 kgf						
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6203 ZZ		6202 ZZ		
Sealing	:	Without Bearing Seal		Without Bearing Seal		
Lubrication interval	:	-		-		
Lubricant amount	:	-		-		
Lubricant type	:	Mobil Polyrex EM				
Notes						
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	Date
Performed by						
Checked by					Page	Revision
Date	25/02/2023				1 / 1	