

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line : Rolled Steel 00021 Single-Phase			Product code : 14177687			
			Catalog # : 00218OT1BRBO56H-S			
Frame : 56H Output : 2 HP (1.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 17.7/9.50-8.87 A L. R. Amperes : 115/61.7-57.7 A LRC : 6.5x(Code H) No load current : 6.20/2.67-3.10 A Rated speed : 1730 rpm Slip : 3.89 % Rated torque : 6.07 ft.lb Locked rotor torque : 290 % Breakdown torque : 225 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.1614 sq.ft.lb Design : L		Locked rotor time : 32s (cold) 18s (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 : 52.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 55.2 lb				
Output	25%	50%	75%	100%	Foundation loads Max. traction : 106 lb Max. compression : 162 lb	
Efficiency (%)	82.2	83.0	84.0	84.5		
Power Factor	0.49	0.75	0.83	0.87		
		<u>Drive end</u> Bearing type : 6204 ZZ Sealing : Without Bearing Seal Lubrication interval : - Lubricant amount : - Lubricant type : Mobil Polyrex EM		<u>Non drive end</u> Bearing type : 6202 ZZ Sealing : Without Bearing Seal Lubrication interval : - Lubricant amount : -		
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	31/07/2023				1 / 1	