

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Rolled Steel Fan and Exhaust Single-Phase Split Phase		Product code : 14590034		
				Catalog # : .3318OS1BSPRB48Z-S		
Frame : 48Z Output : 0.33 HP (0.25 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 5.16/2.60-2.58 A L. R. Amperes : 31.0/15.6-15.5 A LRC : 6.0x(Code M) No load current : 4.20/1.81-2.10 A Rated speed : 1710 rpm Slip : 5.00 % Rated torque : 1.01 ft.lb Locked rotor torque : 120 % Breakdown torque : 220 % Insulation class : F Service factor : 1.35 Design : N			Locked rotor time : 10s (cold) 6s (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 <sup>1</sup> : Both (CW and CCW) Starting method : Direct On Line Approx. weight <sup>3</sup> : 18.4 lb			
Output		25%	50%	75%	100%	
Efficiency (%)		48.0	51.0	58.0	62.0	
Power Factor		0.27	0.48	0.60	0.68	
Foundation loads						
Max. traction : 16 lb						
Max. compression : 34 lb						
		<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	29/04/2024				1 / 1	