

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line : Rolled Steel Single-Phase			Product code : 13039493			
			Catalog # : .5018OT1B48-S			
Frame : 48 Output : 0.5 HP (0.37 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 4.86/3.04-2.43 A L. R. Amperes : 37.4/23.4-18.7 A LRC : 7.7x(Code K) No load current : 2.70/1.16-1.35 A Rated speed : 1730 rpm Slip : 3.89 % Rated torque : 1.52 ft.lb Locked rotor torque : 300 % Breakdown torque : 270 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0520 sq.ft.lb Design : N			Locked rotor time : 27s (cold) 15s (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) Noise level <sup>2</sup> : 50.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 22.1 lb			
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	62.2	65.0	73.0	76.2	Max. traction : 35 lb	
Power Factor	0.44	0.72	0.81	0.87	Max. compression : 57 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	27/02/2024				1 / 1	