

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : ROLLED STEEL		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> : 21.9 lb			
Output	25%	50%	75%	100%	
Efficiency (%)	62.2	65.0	73.0	76.2	
Power Factor	0.44	0.72	0.81	0.87	
Foundation loads					
Max. traction : 35 lb					
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				Page 1 / 1  Revision	
Checked by					
Date		25/02/2023			