

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : ROLLED STEEL		Product code : 14419273			
		Catalog # : .2518OT1B48CH-S			
Frame : 48 Output : 0.25 HP (0.18 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 2.92/1.77-1.46 A L. R. Amperes : 15.5/9.38-7.74 A LRC : 5.3x(Code J) No load current : 2.00/0.862-1.00 A Rated speed : 1740 rpm Slip : 3.33 % Rated torque : 0.104 kgfm Locked rotor torque : 290 % Breakdown torque : 300 % Insulation class : F Service factor : 1.35 Moment of inertia (J) : 0.0015 kgm <sup>2</sup> Design : N		Locked rotor time : 36s (cold) 20s (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> : 7.5 kg			
Output            25%      50%      75%      100% Efficiency (%)    52.7    56.0    64.0    68.5 Power Factor    0.33    0.56    0.65    0.78		Foundation loads Max. traction                                : 7 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	02/01/2023			1 / 1	