

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :																			
Product line : ROLLED STEEL		Product code : 13195118																	
		Catalog # : .2518OT1B48-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 : 0.754 ft.lb Locked rotor torque : 290 % Breakdown torque : 300 % Insulation class : F Service factor : 1.35 Moment of inertia (J) : 0.0358 sq.ft.lb 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 ¹ : Both (CW and CCW) Noise level ² : 50.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 16.2 lb																	
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Output</td> <td>25%</td> <td>50%</td> <td>75%</td> <td>100%</td> </tr> <tr> <td>Efficiency (%)</td> <td>52.7</td> <td>56.0</td> <td>64.0</td> <td>68.5</td> </tr> <tr> <td>Power Factor</td> <td>0.33</td> <td>0.56</td> <td>0.65</td> <td>0.78</td> </tr> </table>		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 : 17 lb Max. compression : 33 lb		
Output	25%	50%	75%	100%															
Efficiency (%)	52.7	56.0	64.0	68.5															
Power Factor	0.33	0.56	0.65	0.78															
		<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															
Performed by				Page															
Checked by				Revision															
Date		02/01/2023		1 / 1															