

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Rolled Steel Premium Efficiency Three-Phase		Product code :	13497507
			Catalog # :	.2518OT3E48-S
Frame : 48 Output : 0.25 HP (0.18 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 1.06-0.964/0.482 A L. R. Amperes : 6.04-5.49/2.75 A LRC : 5.7x(Code K) No load current : 0.660-0.766/0.383 A Rated speed : 1740 rpm Slip : 3.33 % Rated torque : 0.754 ft.lb Locked rotor torque : 250 % Breakdown torque : 340 % Insulation class : F Service factor : 1.35 Moment of inertia (J) : 0.0280 sq.ft.lb		Locked rotor time : 61s (cold) 34s (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 : 13.7 lb		
Output	25%	50%	75%	100%
Efficiency (%)	57.5	59.4	59.5	62.0
	55.4	58.0	65.0	68.0
Power Factor	0.26	0.30	0.46	0.53
	0.26	0.47	0.59	0.69
Bearing type : 6203 ZZ Sealing : Without Bearing Seal Lubrication interval : - Lubricant amount : - Lubricant type : Mobil Polyrex EM				
<u>Drive end</u> Max. traction : 23 lb <u>Non drive end</u> Max. compression : 36 lb				
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.	
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