

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: W40 NEMA Premium Efficiency Three-Phase		Product code :	14284838		
				Catalog # : 10018OT3H404TC-W40		
<p>Frame : 404/5TC Output : 100 HP (75 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 91.8 A L. R. Amperes : 624 A LRC : 6.8x(Code G) No load current : 29.6 A Rated speed : 1780 rpm Slip : 1.11 % Rated torque : 295 ft.lb Locked rotor torque : 200 % Breakdown torque : 250 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 21.9 sq.ft.lb Design : B</p>				Locked rotor time : 21s (cold) 12s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 69.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 1007 lb		
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	94.9	95.0	95.4	95.4	Max. traction : 1708 lb	
Power Factor	0.50	0.75	0.83	0.86	Max. compression : 2715 lb	
Bearing type : 6316 C3 Sealing : Without Bearing Seal Lubrication interval : 20000 h Lubricant amount : 34 g Lubricant type : Mobil Polyrex EM					Drive end Non drive end 6212 Z C3 Without Bearing Seal 20000 h 13 g	
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	Revision
Checked by						
Date	29/03/2024				1 / 1	