

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Close Coupled Pump NEMA Premium Efficiency Three-Phase		Product code : 11168080			
		Catalog # : 04018OT3H324JM			
Frame : 324JM Output : 40 HP (30 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 38.6 A L. R. Amperes : 239 A LRC : 6.2x(Code G) No load current : 14.8 A Rated speed : 1775 rpm Slip : 1.39 % Rated torque : 118 ft.lb Locked rotor torque : 220 % Breakdown torque : 229 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 6.05 sq.ft.lb Design : B		Locked rotor time : 50s (cold) 28s (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 : 64.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 484 lb			
Output	25%	50%	75%	100%	
Efficiency (%)	93.5	93.6	94.1	94.1	
Power Factor	0.43	0.68	0.78	0.83	
Foundation loads					
Max. traction : 802 lb					
Max. compression : 1286 lb					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6312 Z C3	6212 Z C3		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	20000 h	20000 h		
Lubricant amount	:	21 g	13 g		
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	28/03/2024			1 / 1	