

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase			
Product code :	12770789			
Catalog # :	01518OT3H254JM-S			
Frame : 254/6JM Output : 15 HP (11 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 14.9 A L. R. Amperes : 100 A LRC : 6.7x(Code H) No load current : 7.60 A Rated speed : 1775 rpm Slip : 1.39 % Rated torque : 44.4 ft.lb Locked rotor torque : 240 % Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 1.82 sq.ft.lb Design : B	Locked rotor time : 30s (cold) 17s (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 : 64.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 203 lb			
Output	25% 50% 75% 100%			
Efficiency (%)	91.0 91.7 92.4 93.0			
Power Factor	0.36 0.62 0.73 0.80			
Foundation loads				
Max. traction	: 537 lb			
Max. compression	: 740 lb			
Bearing type	: <u>Drive end</u> 6309 Z C3 <u>Non drive end</u> 6208 Z C3			
Sealing	: Without Bearing Seal Without Bearing Seal			
Lubrication interval	: 20000 h 20000 h			
Lubricant amount	: 13 g 8 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	29/03/2024		1 / 1	