

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: Rolled Steel JP Pump NEMA Premium Efficiency Three-Phase			
Product code :	12869998			
Catalog # :	02036OT3E254JP-S			
Frame : 254/6JP Output : 20 HP (15 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 47.6/23.8 A L. R. Amperes : 286/143 A LRC : 6.0x(Code G) No load current : 17.0/8.50 A Rated speed : 3525 rpm Slip : 2.08 % Rated torque : 29.8 ft.lb Locked rotor torque : 180 % Breakdown torque : 240 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.7848 sq.ft.lb Design : B	Locked rotor time : 23s (cold) 13s (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 : 70.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 185 lb			
Output	25% 50% 75% 100%			
Efficiency (%)	90.0 92.6 90.2 90.6 91.0 89.5 91.0 87.2 91.6 90.5 90.2 88.8			
Power Factor	0.49 0.56 0.76 0.82 0.83 0.88 0.87 0.90 0.48 0.75 0.84 0.88			
Foundation loads	Max. traction : 305 lb Max. compression : 491 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	