

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: Rolled Steel JP Pump NEMA Premium Efficiency Three-Phase			
Product code :	12682722			
Catalog # :	00218OT3E145JP-S			
Frame : 143/5JP Output : 2 HP (1.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 5.38/2.69 A L. R. Amperes : 41.4/20.7 A LRC : 7.7x(Code K) No load current : 2.75/1.38 A Rated speed : 1740 rpm Slip : 3.33 % Rated torque : 6.04 ft.lb Locked rotor torque : 260 % Breakdown torque : 320 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.1168 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 : 52.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 42.3 lb			
Output	25% 50% 75% 100%			
Efficiency (%)	85.2 88.2 85.5 85.9 86.5 85.0 86.5 82.2			
Power Factor	0.36 0.42 0.61 0.69 0.74 0.80 0.81 0.85			
	85.5 84.6 85.2 83.8			
	0.35 0.61 0.74 0.81			
Foundation loads				
Max. traction	: 158 lb			
Max. compression	: 200 lb			
Bearing type	: <u>Drive end</u> 6206 ZZ <u>Non drive end</u> 6203 ZZ			
Sealing	: Without Bearing Seal Without Bearing Seal			
Lubrication interval	: - -			
Lubricant amount	: - -			
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	