

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :																
Product line : W22 JM Pump Single-Phase			Product code : 14184283													
			Catalog # : 00236ES1E145JM-W22													
Frame : 143/5JM Output : 2 HP (1.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 9.50-9.00/4.50 A L. R. Amperes : 76.0-72.0/36.0 A LRC : 8.0x(Code K) No load current : 2.93-3.40/1.70 A Rated speed : 3530 rpm Slip : 1.94 % Rated torque : 2.98 ft.lb Locked rotor torque : 240 % Breakdown torque : 280 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0527 sq.ft.lb			Locked rotor time : 12s (cold) 7s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 69.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 65.7 lb													
Output 25% 50% 75% 100% Efficiency (%) 63.4 66.0 74.0 77.0 Power Factor 0.58 0.87 0.92 0.94			Foundation loads Max. traction : 39 lb Max. compression : 105 lb													
			<table style="width:100%; border: none;"> <tr> <td style="width: 50%; border: none;"><u>Drive end</u></td> <td style="width: 50%; border: none;"><u>Non drive end</u></td> </tr> <tr> <td style="border: none;">Bearing type : 6206 ZZ</td> <td style="border: none;">6203 ZZ</td> </tr> <tr> <td style="border: none;">Sealing : V'Ring</td> <td style="border: none;">V'Ring</td> </tr> <tr> <td style="border: none;">Lubrication interval : -</td> <td style="border: none;">-</td> </tr> <tr> <td style="border: none;">Lubricant amount : -</td> <td style="border: none;">-</td> </tr> <tr> <td colspan="2" style="border: none; text-align: center;">Lubricant type : Mobil Polyrex EM</td> </tr> </table>		<u>Drive end</u>	<u>Non drive end</u>	Bearing type : 6206 ZZ	6203 ZZ	Sealing : V'Ring	V'Ring	Lubrication interval : -	-	Lubricant amount : -	-	Lubricant type : Mobil Polyrex EM	
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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	30/03/2024			1 / 1												