

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :													
Product line : W22 High Efficiency Three-Phase	Product code : 14404918 Catalog # : 02530EP3OFP284TS-W22												
Frame : 284/6TS Output : 25 HP (18.5 kW) Poles : 2 Frequency : 50 Hz Rated voltage : 380 V Rated current : 34.1 A L. R. Amperes : 191 A LRC : 5.6x(Code F) No load current : 7.20 A Rated speed : 2920 rpm Slip : 2.67 % Rated torque : 45.0 ft.lb Locked rotor torque : 180 % Breakdown torque : 220 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 2.44 sq.ft.lb Design : B	Locked rotor time : 32s (cold) 18s (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 : 67.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 419 lb												
Output 25% 50% 75% 100% Efficiency (%) 0.000 91.7 91.7 91.7 91.7 91.7 0.000 Power Factor 0.00 0.00 0.86 0.82 0.90 0.88 0.90 0.89	Foundation loads Max. traction : 316 lb Max. compression : 735 lb												
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :	<table border="0"> <tr> <td style="text-align: center;"><u>Drive end</u></td> <td style="text-align: center;"><u>Non drive end</u></td> </tr> <tr> <td style="text-align: center;">6311 C3</td> <td style="text-align: center;">6211 C3</td> </tr> <tr> <td style="text-align: center;">V'Ring</td> <td style="text-align: center;">V'Ring</td> </tr> <tr> <td style="text-align: center;">17000 h</td> <td style="text-align: center;">20000 h</td> </tr> <tr> <td style="text-align: center;">18 g</td> <td style="text-align: center;">11 g</td> </tr> <tr> <td colspan="2" style="text-align: center;">Mobil Polyrex EM</td> </tr> </table>	<u>Drive end</u>	<u>Non drive end</u>	6311 C3	6211 C3	V'Ring	V'Ring	17000 h	20000 h	18 g	11 g	Mobil Polyrex EM	
<u>Drive end</u>	<u>Non drive end</u>												
6311 C3	6211 C3												
V'Ring	V'Ring												
17000 h	20000 h												
18 g	11 g												
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	26/03/2024		1 / 1										