

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :													
Product line : W22 00022 Single-Phase	Product code : 14229634												
Frame : 182/4T Output : 3 HP (2.2 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230 V Rated current : 13.8 A L. R. Amperes : 106 A LRC : 7.7x(Code K) No load current : 6.70 A Rated speed : 1745 rpm Slip : 3.06 % Rated torque : 1.25 kgfm Locked rotor torque : 290 % Breakdown torque : 270 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0157 kgm ²	Locked rotor time : 14s (cold) 8s (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 : 60.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 47.9 kg												
Output 25% 50% 75% 100% Efficiency (%) 62.3 65.0 74.0 77.0 Power Factor 0.50 0.79 0.87 0.90	Foundation loads Max. traction : 46 kgf Max. compression : 94 kgf												
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;">6207 2RS</td> <td style="text-align: center;">6206 2RS</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;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td style="text-align: center;">-</td> <td style="text-align: center;">-</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>	6207 2RS	6206 2RS	V'Ring	V'Ring	-	-	-	-	Mobil Polyrex EM	
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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		Page		Revision
Checked by		1 / 2		
Date	15/01/2024			

LOAD PERFORMANCE CURVE

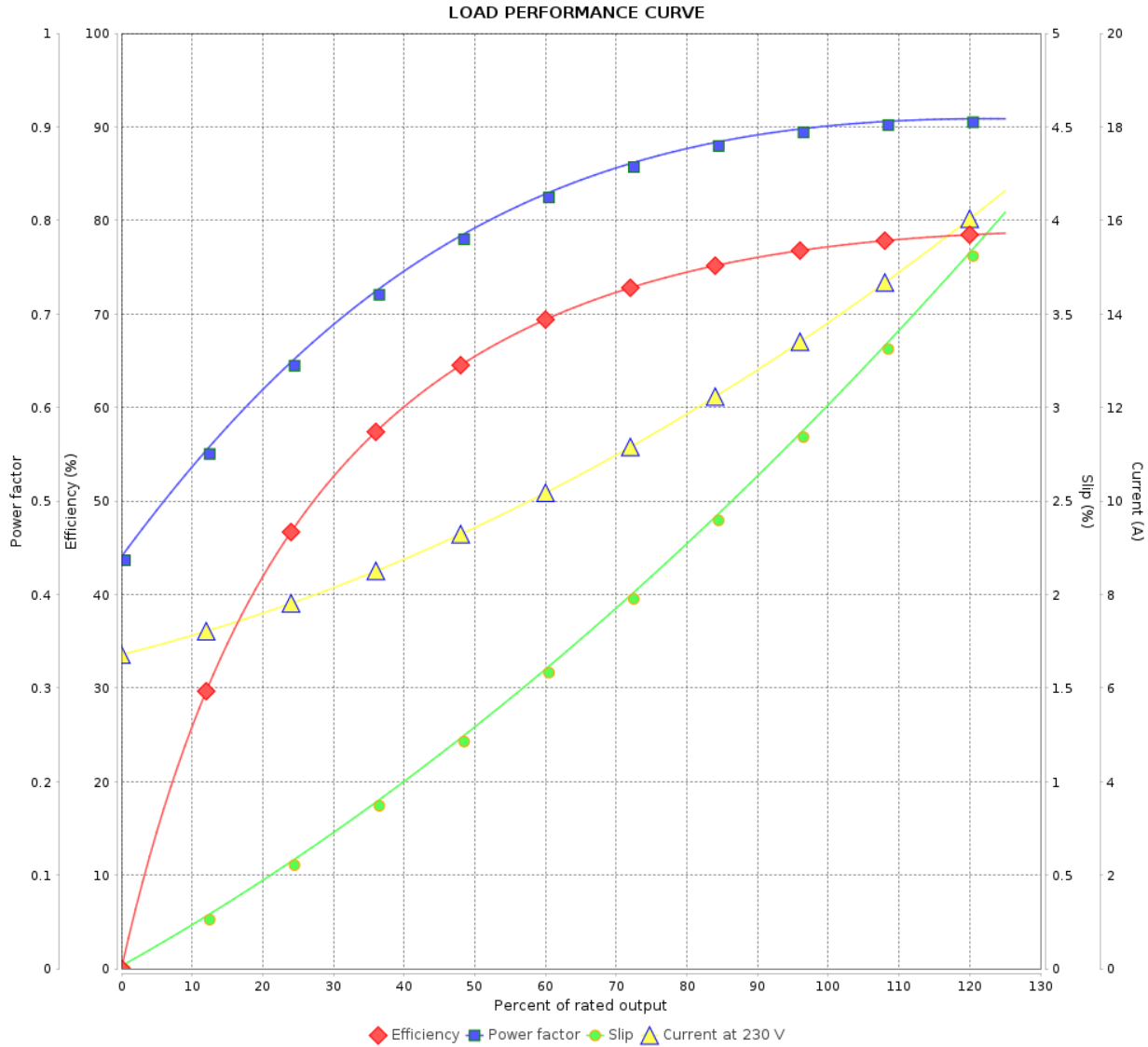
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 00022 Single-Phase

Product code : 14229634



Performance : 230 V 60 Hz 4P

Rated current : 13.8 A
 LRC : 7.7
 Rated torque : 1.25 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 270 %
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0157 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	15/01/2024			