

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :													
Product line : Multimounting IE3 Three-Phase	Product code : 12233809												
Frame : 132M Output : 12.5 HP (9.2 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230-460 V Rated current : 31.1-15.5 A L. R. Amperes : 271-135 A LRC : 8.7 No load current : 15.0-7.50 A Rated speed : 1765 rpm Slip : 1.94 % Rated torque : 5.14 kgfm Locked rotor torque : 250 % Breakdown torque : 380 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0638 kgm ² Design : N	Locked rotor time : 18s (cold) 10s (hot) Temperature rise : 80 K Duty cycle : S1 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : B35L(E) Rotation ¹ : Both (CW and CCW) Noise level ² : 58.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 74.0 kg												
Output 25% 50% 75% 100% Efficiency (%) 0.000 89.7 91.0 91.7 Power Factor 0.00 0.62 0.74 0.81	Foundation loads Max. traction : 324 kgf Max. compression : 398 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;">6308 ZZ</td> <td style="text-align: center;">6207 ZZ</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;">0 h</td> <td style="text-align: center;">0 h</td> </tr> <tr> <td style="text-align: center;">0 g</td> <td style="text-align: center;">0 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>	6308 ZZ	6207 ZZ	V'Ring	V'Ring	0 h	0 h	0 g	0 g	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													
Checked by			Page	Revision									
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LOAD PERFORMANCE CURVE

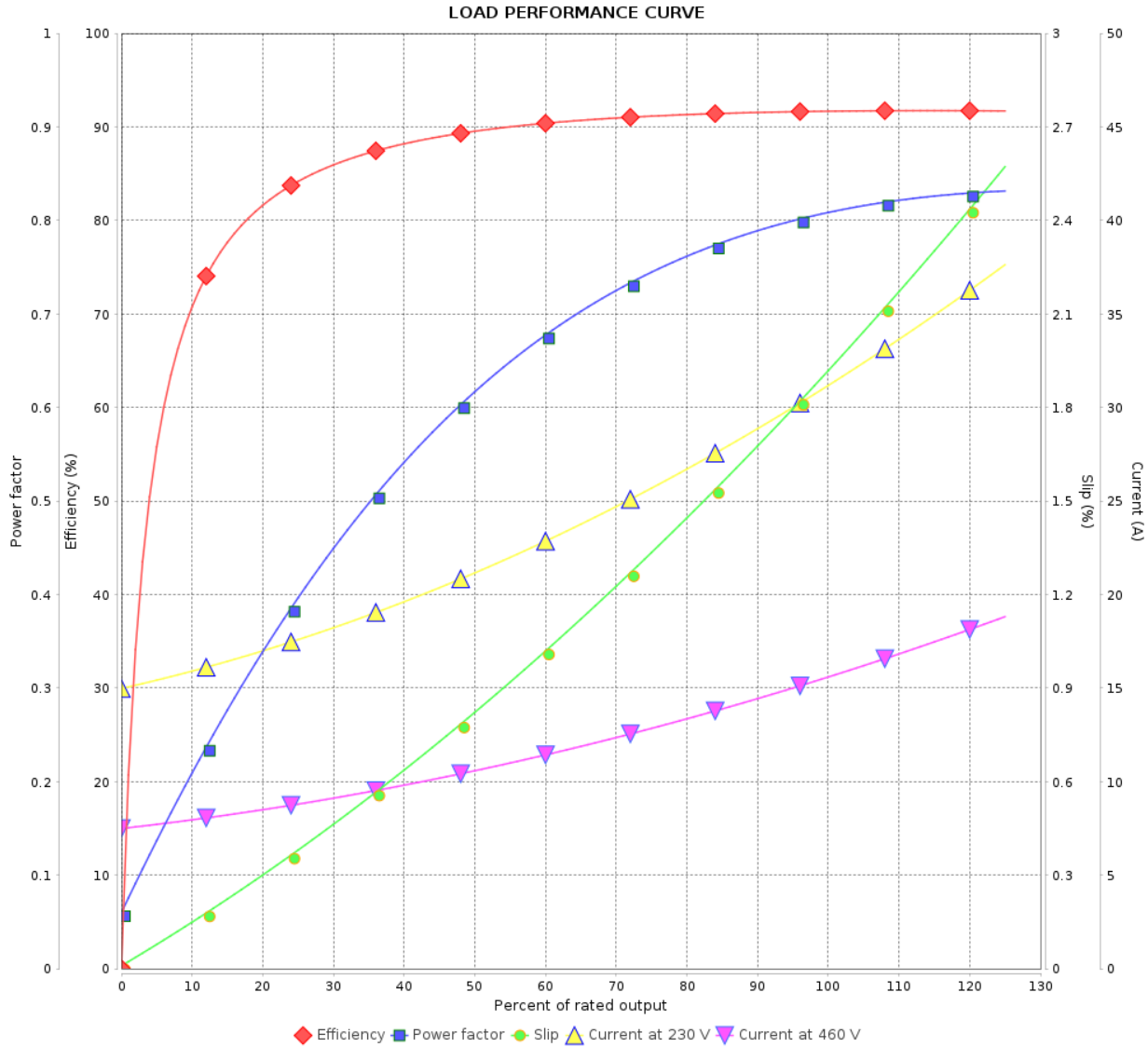
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Performance : 230-460 V 60 Hz 4P

Rated current : 31.1-15.5 A
 LRC : 8.7
 Rated torque : 5.14 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 380 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.0638 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

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Performed by			Page 2 / 2	Revision
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Date	14/01/2024			