DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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Customer	:					
Product line		: General Phase	High Efficiency ⁻	Three- Product code :	11995122	
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: 182TC : 3 HP (2.2 kW) : 4 : 60 Hz : 575 V : 3.23 A : 23.9 A : 7.4x(Code J) : 1.68 A : 1760 rpm : 2.22 % : 1.24 kgfm : 229 % : 300 % : F : 1.15 : 0.0107 kgm² : B		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 21s (cold) 12s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP21 : IC01 - ODP : W-6 : Both (CW and CCW) : 53.0 dB(A) : Direct On Line : 25.7 kg	
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	84.0	86.5	86.5	Max. traction	: 65 kgf	
Power Factor	0.60	0.72	0.79	Max. compression	: 90 kgf	
Bearing type		: . \\/.	Drive end 6206 ZZ	Non drive end 6205 ZZ		

Mobil Polyrex EM

Notes

Lubrication interval Lubricant amount Lubricant type

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.

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LOAD PERFORMANCE CURVE

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11995122

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Revision

Customer :

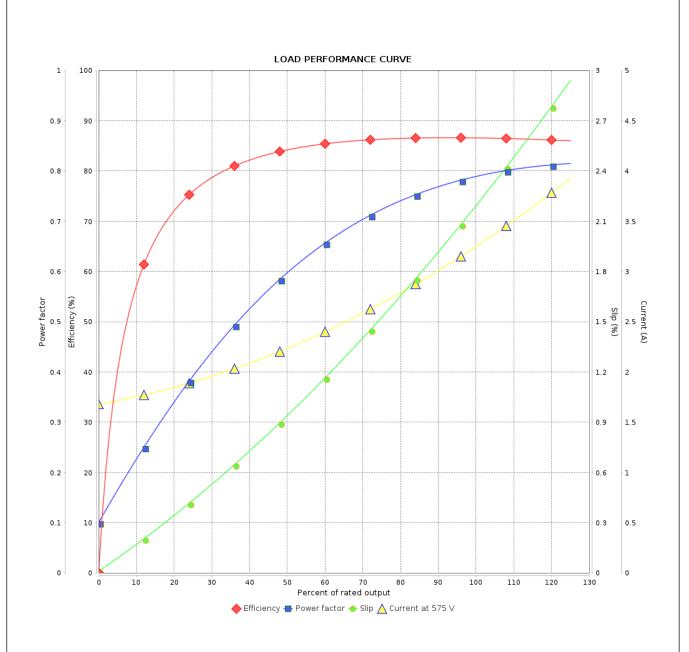
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Date

23/11/2024

Product line : General High Efficiency Three- Product code :

Phase



Performance	: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 3.23 A : 7.4 : 1.24 kgfm : 229 % : 300 % : 1760 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.0107 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
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