DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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Customer	:					
Product line		: General Phase	High Efficiency ⁻	Three- Product code :	11996330	
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		: 213/5TC : 10 HP (7.5 kW) : 2 : 60 Hz : 575 V : 9.76 A : 64.4 A : 6.6x(Code H) : 3.36 A : 3515 rpm : 2.36 % : 2.06 kgfm : 210 % : 250 % : F : 1.15 : 0.0187 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 : F-1 : Both (CW and CCW) : 68.0 dB(A) : Direct On Line : 47.3 kg	
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	87.5	88.5	88.5	Max. traction	: 71 kgf	
Power Factor	0.71	0.81	0.87	Max. compression	: 119 kgf	
Rearing type			Drive end	Non drive end	<u>I</u>	

Mobil Polyrex EM

Without Bearing Seal

Notes

Sealing

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

Without Bearing Seal

Rev.		Changes Summary	Performed	Checked	Date
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Checked by				Page	Revision
Date	22/01/2025			1/2	

MG-1.

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

22/01/2025

Product line : General High Efficiency Three- Product

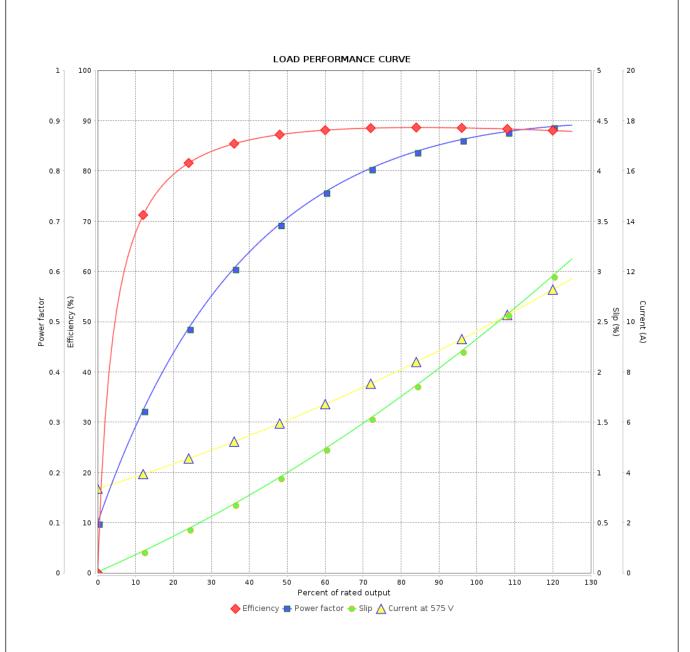
Product code:

11996330

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Revision



Performance		: 575 V 60 Hz 2	2P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 9.76 A : 6.6 : 2.06 kgfm : 210 % : 250 % : 3515 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0187 kgm² : Cont.(S1) : F : 1.15 : 80 K : B		
Rev.	Changes Summary		I	Performed	Checked	Date		
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