## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



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Customer	:					
Product line		: General High Efficiency Thro Phase		ee- 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 : 4 : 60 Hz : 575 V : 3.23 A : 23.9 A : 7.4x(Cod : 1.68 A : 1760 rpm : 2.22 % : 1.24 kgfm : 229 % : 300 % : F : 1.15 : 0.0107 kg	e J)	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 Sealing		: : Witl	Drive end 6206 ZZ nout Bearing Seal	Non drive end 6205 ZZ Without Bearing		

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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/11/2025	1		1/2	

## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Revision

Page

2/2

Customer :

Checked by

Date

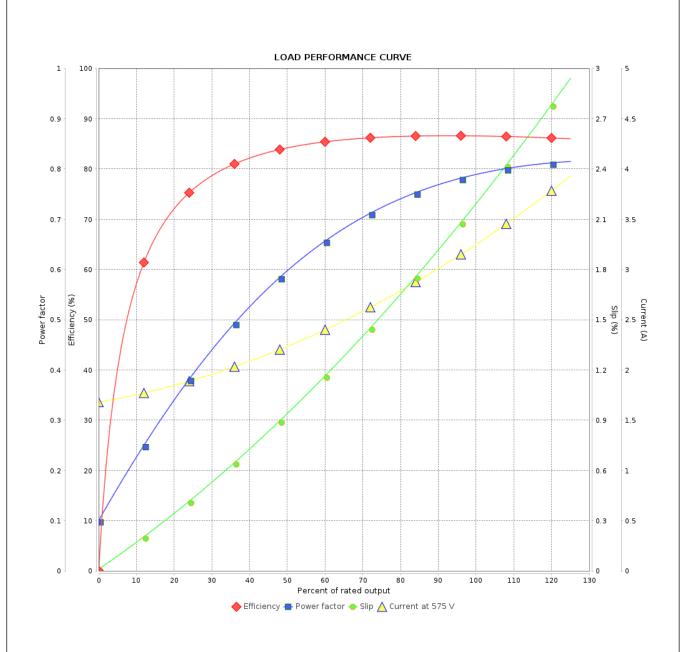
13/11/2025

Product line : General High Efficiency Three- P

Phone

Product code:

11995122



Performance : 575 V 60 Hz 4P : 0.0107 kgm<sup>2</sup> Rated current : 3.23 A Moment of inertia (J) **LRC** : 7.4 Duty cycle : Cont.(S1) Insulation class Rated torque : 1.24 kgfm : F Locked rotor torque : 229 % Service factor : 1.15 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 1760 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

