DATA SHEET

Three Phase Induction Motor - Squirrel Cage



					·	
Customer	:					
Product line		: General I Phase	High Efficiency Thr	ee- Product code :	11993756	
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torqu Insulation class Service factor Moment of inerti Design	ue	: E143/5TC : 1 HP (0.7 : 4 : 60 Hz : 575 V : 1.20 A : 9.36 A : 7.8x(Cod : 0.800 A : 1740 rpm : 3.33 % : 0.417 kgf : 310 % : 350 % : F : 1.15 : 0.0053 kg	5 kW) e L) m	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 27s (cold) 15s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP21 : IC01 - ODP : F-1 : Both (CW and CCW) : 50.0 dB(A) : Direct On Line : 20.9 kg	
Output	50%	75%	100%	Foundation loads		
Efficiency (%) Power Factor	80.0 0.57	81.5 0.68	82.5 0.76	Max. traction Max. compression	: 31 kgf : 52 kgf	
Bearing type Sealing		<u>Drive end</u> : 6205 ZZ : Without Bearing Seal		Non drive end 6204 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

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
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 code:

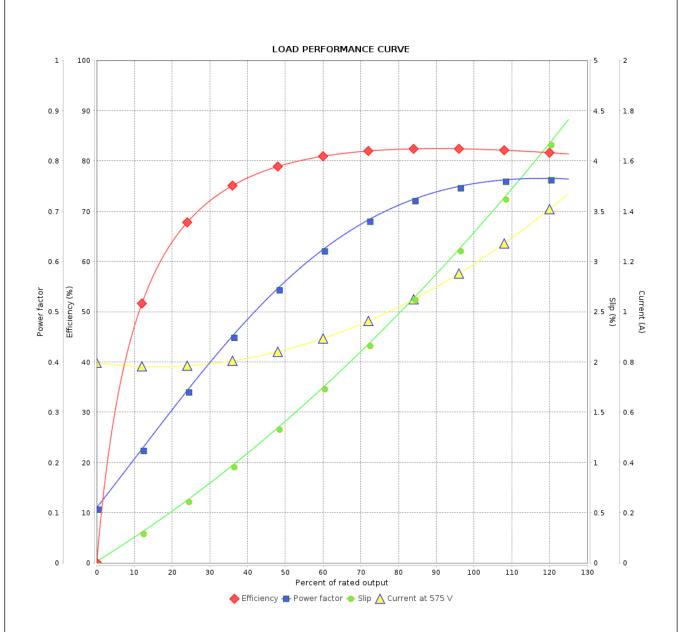
11993756

Page

2/2

Revision





Performance	: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1.20 A : 7.8 : 0.417 kgfm : 310 % : 350 % : 1740 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ctor	: 0.0053 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					