## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



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Customer	:				
Product line		: General High Efficiency Three-Product code : Phase			11996114
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tor Breakdown torq Insulation class Service factor Moment of inert Design	que ue	: 213/5TC : 7.5 HP (5 : 4 : 60 Hz : 575 V : 7.52 A : 50.4 A : 6.7x(Cod : 3.28 A : 1755 rpm : 2.50 % : 3.10 kgfm : 180 % : 250 % : F : 1.15 : 0.0388 kg	e H)	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 14s (cold) 8s (hot) : 105 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP21 : IC01 - ODP : W-6 : Both (CW and CCW) : 58.0 dB(A) : Direct On Line : 0.0 kg
Output Efficiency (%)	50% 87.5	75% 88.5	100% 88.5	Foundation loads Max. traction	: 143 kgf
Power Factor	0.68	0.78	0.83	Max. compression	: 143 kgf
Bearing type Sealing Lubrication interval		: : Wit	Drive end 6208 ZZ hout Bearing Seal -	Non drive end 6206 ZZ Without Bearing -	_

Mobil Polyrex EM

Notes

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			1/2	

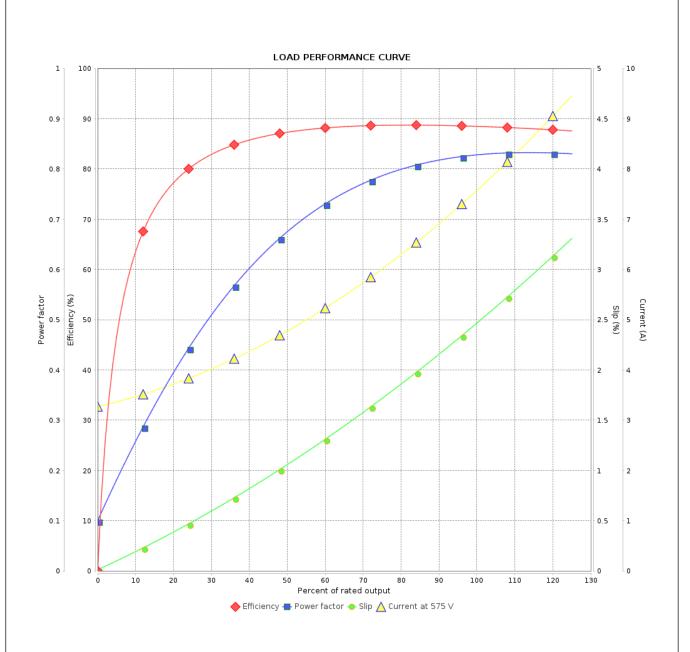
## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer

Product line : General High Efficiency Three-Product code: 11996114



Performance	: 5	75 V 60 Hz 4P					
Rated current		.52 A	A Moment of inertia (J)		: 0.0388 kgm²		
LRC		.7	Duty cycle	Duty cycle		: Cont.(S1)	
Rated torque		.10 kgfm	Insulation class		:F `´		
Locked rotor torqu	e :1	80 %	Service factor		: 1.15		
Breakdown torque	: 2	50 %	Temperat	Temperature rise		: 105 K	
Rated speed	: 1	: 1755 rpm		Design			
Rev.	Changes Summary			Performed	Checked	Date	
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Date	13/11/2025				2/2		

