

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP NEMA Premium Efficiency Three-Phase Product code : 11914799

Frame	: 256TC	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 23.8 A	Protection degree	: IP23
L. R. Amperes	: 155 A	Cooling method	: IC01 - ODP
LRC	: 6.5x(Code G)	Mounting	: F-1
No load current	: 8.80 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 3530 rpm	Noise level <sup>2</sup>	: 67.0 dB(A)
Slip	: 1.94 %	Starting method	: Direct On Line
Rated torque	: 5.14 kgfm	Approx. weight <sup>3</sup>	: 110 kg
Locked rotor torque	: 200 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0456 kgm <sup>2</sup>		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	91.0	91.7	91.7	Max. traction	: 155 kgf
Power Factor	0.73	0.82	0.85	Max. compression	: 265 kgf

	Drive end	Non drive end
Bearing type	: 6309 Z C3	6209 Z C3
Sealing	: Without Bearing Seal	Without Bearing Seal
Lubrication interval	: 20000 h	20000 h
Lubricant amount	: 13 g	9 g
Lubricant type	Mobil Polyrex EM	

### Notes

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		Page 1 / 2 Revision		
Checked by				
Date	13/11/2025			

# LOAD PERFORMANCE CURVE

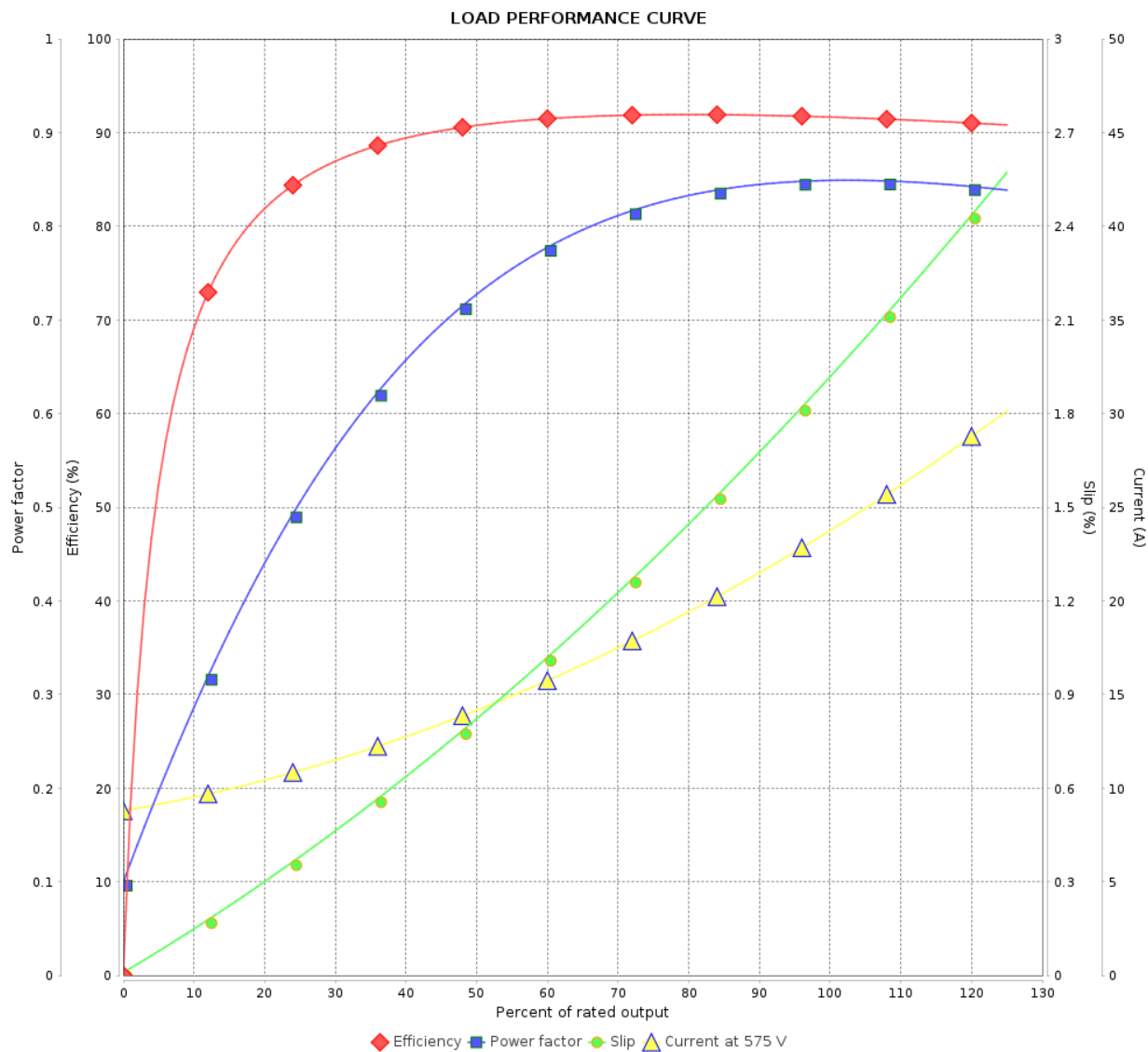
## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP NEMA Premium Efficiency  
Three-Phase

Product code : 11914799



Performance : 575 V 60 Hz 2P

Rated current : 23.8 A  
LRC : 6.5  
Rated torque : 5.14 kgfm  
Locked rotor torque : 200 %  
Breakdown torque : 260 %  
Rated speed : 3530 rpm

Moment of inertia (J) : 0.0456 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 80 K  
Design : B

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