

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : ODP NEMA Premium Efficiency Three-Phase      Product code : 10565055

Frame	: 254T	Locked rotor time	: 25s (cold) 14s (hot)
Output	: 15 HP (11 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 14.9 A	Protection degree	: IP23
L. R. Amperes	: 100 A	Cooling method	: IC01 - ODP
LRC	: 6.7x(Code H)	Mounting	: F-1
No load current	: 7.20 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1775 rpm	Noise level <sup>2</sup>	: 59.0 dB(A)
Slip	: 1.39 %	Starting method	: Direct On Line
Rated torque	: 6.13 kgfm	Approx. weight <sup>3</sup>	: 109 kg
Locked rotor torque	: 290 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0878 kgm <sup>2</sup>		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	91.0	91.7	92.4	93.0	Max. traction	: 235 kgf
Power Factor	0.36	0.60	0.72	0.80	Max. compression	: 344 kgf

	<u>Drive end</u>	<u>Non drive end</u>
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.

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# LOAD PERFORMANCE CURVE

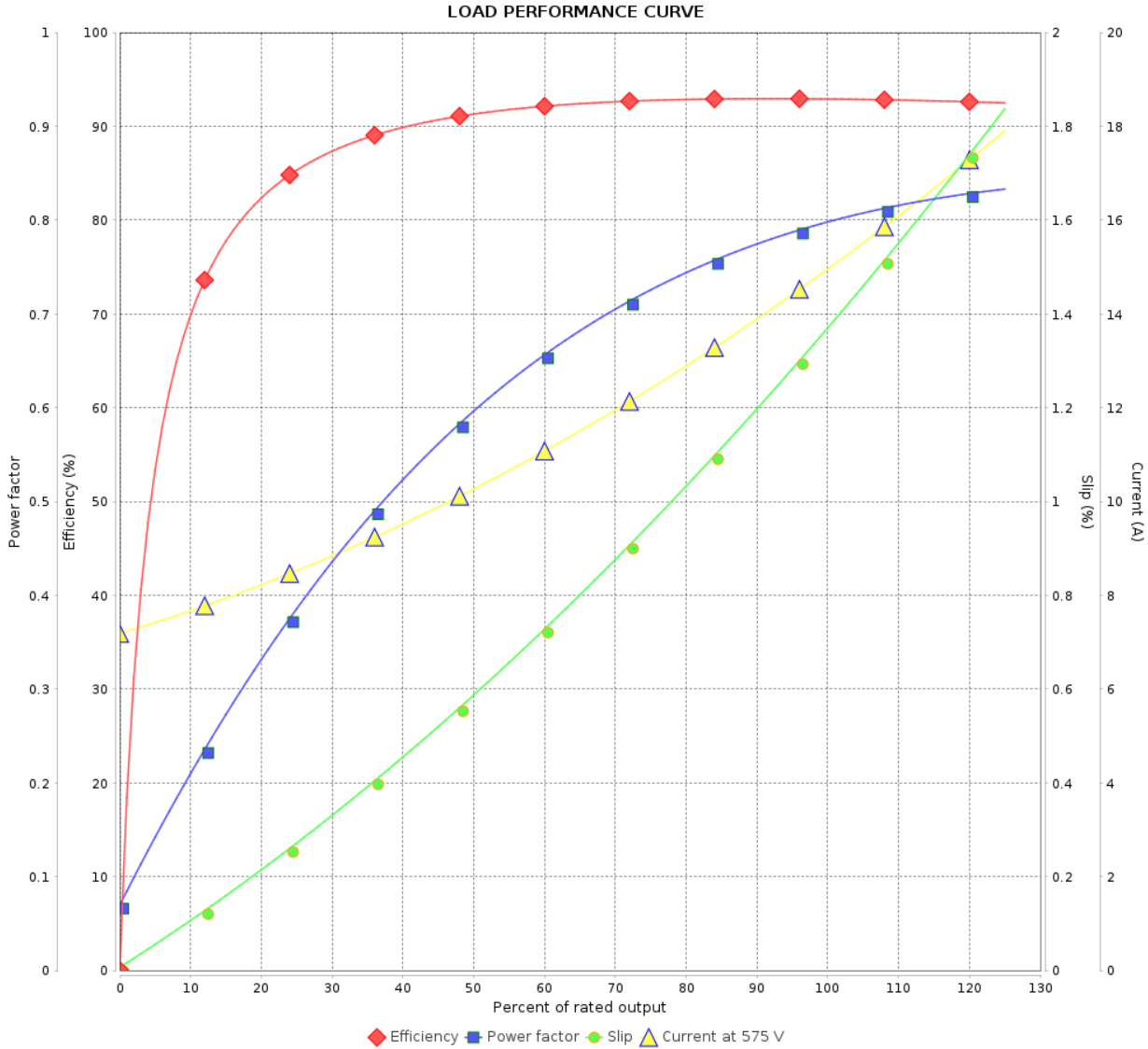
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP NEMA Premium Efficiency Three-Phase

Product code : 10565055



Performance : 575 V 60 Hz 4P

Rated current : 14.9 A  
 LRC : 6.7  
 Rated torque : 6.13 kgfm  
 Locked rotor torque : 290 %  
 Breakdown torque : 300 %  
 Rated speed : 1775 rpm

Moment of inertia (J) : 0.0878 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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