## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer Product line : ODP NEMA Premium Efficiency Three-Product code: 11983382 : 254TC Locked rotor time Frame : 25s (cold) 14s (hot) Output : 15 HP (11 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 1000 m.a.s.l. Rated voltage : 575 V Altitude Protection degree Rated current : 14.9 A : IP23 Cooling method : IC01 - ODP L. R. Amperes : 100 A **LRC** : 6.7x(Code H) Mounting : F-1 : Both (CW and CCW) No load current : 7.20 A Rotation<sup>1</sup> Rated speed : 1775 rpm Noise level<sup>2</sup> : 59.0 dB(A) : Direct On Line Slip : 1.39 % Starting method Rated torque : 6.13 kgfm Approx. weight<sup>3</sup> : 110 kg Locked rotor torque : 290 % Breakdown torque : 300 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0878 kgm<sup>2</sup> Design : B 50% 75% Output 100% Foundation loads : 234 kgf Efficiency (%) 91.7 92.4 93.0 Max. traction Power Factor : 344 kgf 0.60 0.72 0.80 Max. compression Drive end Non drive end

Bearing type : 6309 Z C3 6209 Z C3
Sealing : Without Bearing Seal
Lubrication interval : 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



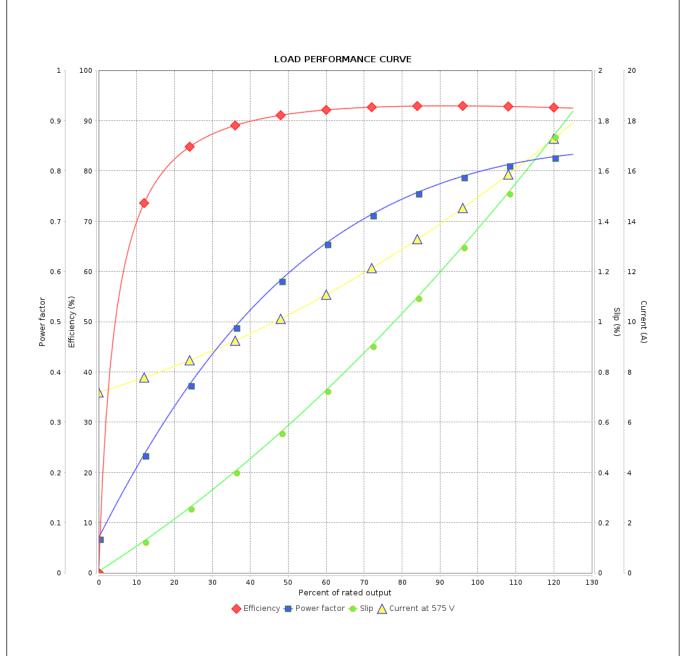
Customer

Product line : ODP NEMA Premium Efficiency Three-

Product code:

11983382

Phase



Performance	: 5	75 V 60 Hz 4P					
Rated current	: 1	4.9 A Moment of inertia (J)		: 0.0878 kgm	2		
LRC	: 6			: Cont.(S1)			
Rated torque	: 6	.13 kgfm Insulation class		: F ` ´			
Locked rotor tord		90 %	Service fa	Service factor		: 1.15	
Breakdown torqu		00 %	Temperat	Temperature rise		: 80 K	
Rated speed	: 1	775 rpm	Design	Design		: B	
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