## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer Product line : ODP NEMA Premium Efficiency Three-Product code: 13637882 : 444/5TSD Locked rotor time Frame : 36s (cold) 20s (hot) Output : 200 HP (150 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 1000 m.a.s.l. Rated voltage : 575 V Altitude Protection degree Rated current : 182 A : IP23 Cooling method : IC01 - ODP L. R. Amperes : 1186 A **LRC** : 6.5x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 51.2 A Rotation<sup>1</sup> Rated speed : 3575 rpm Noise level<sup>2</sup> : 88.0 dB(A) Slip : 0.69 % Starting method : Direct On Line Rated torque : 40.6 kgfm Approx. weight<sup>3</sup> : 650 kg Locked rotor torque : 190 % Breakdown torque : 250 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 1.08 kgm<sup>2</sup> Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 93.6 94.5 95.0 Max. traction : 563 kgf Power Factor : 1212 kgf 0.79 0.85 0.87 Max. compression Non drive end Drive end Bearing type 6314 C3 6314 C3 Without Bearing Seal Without Bearing Seal Sealing 14418 h 14418 h Lubrication interval

Lubricant amount 27 g 27 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					
Checked by				Page	Revision
Date	19/03/2024			1/2	

## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP NEMA Premium Efficiency Three-

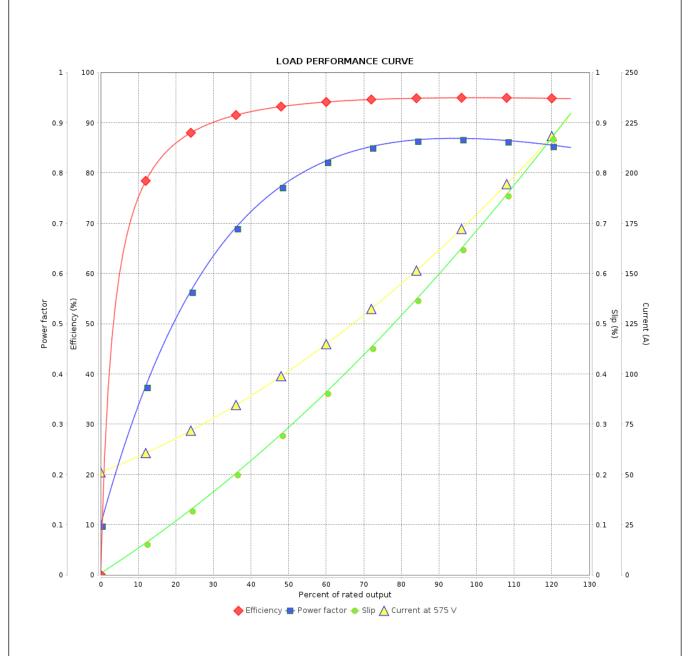
Product code:

13637882

Phase

19/03/2024

Date



Performance	: 575 V 60 Hz 2P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 182 A : 6.5 : 40.6 kgfm : 190 % : 250 % : 3575 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 1.08 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision

2/2