## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer Product line : ODP NEMA Premium Efficiency Three-Product code: 13540803 : 444/5TSD Locked rotor time Frame : 36s (cold) 20s (hot) Output : 175 HP (132 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 460 V Altitude : 1000 m.a.s.l. Rated current : 196 A Protection degree : IP23 : IC01 - ODP L. R. Amperes : 1450 A Cooling method **LRC** : 7.4x(Code H) Mounting : F-1 : Both (CW and CCW) No load current : 64.0 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 : 35.5 kgfm Approx. weight<sup>3</sup> : 697 kg Locked rotor torque : 215 % Breakdown torque : 285 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 1.08 kgm<sup>2</sup> Design : B 25% 50% 100% Output 75% Foundation loads Efficiency (%) 0.000 92.7 94.4 94.9 Max. traction : 537 kgf Power Factor : 1234 kgf 0.00 0.77 0.86 0.89 Max. compression Non drive end Drive end

Bearing type : <u>Orive end</u>
Sealing : 6314 C3
Without Bearing Seal

6314 C3 Without Bearing Seal 14418 h

Lubrication interval:14418 h14418Lubricant amount:27 g27 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 :

Checked by

Date

19/03/2024

Product line : ODP NEMA Premium Efficiency Three-

Product code:

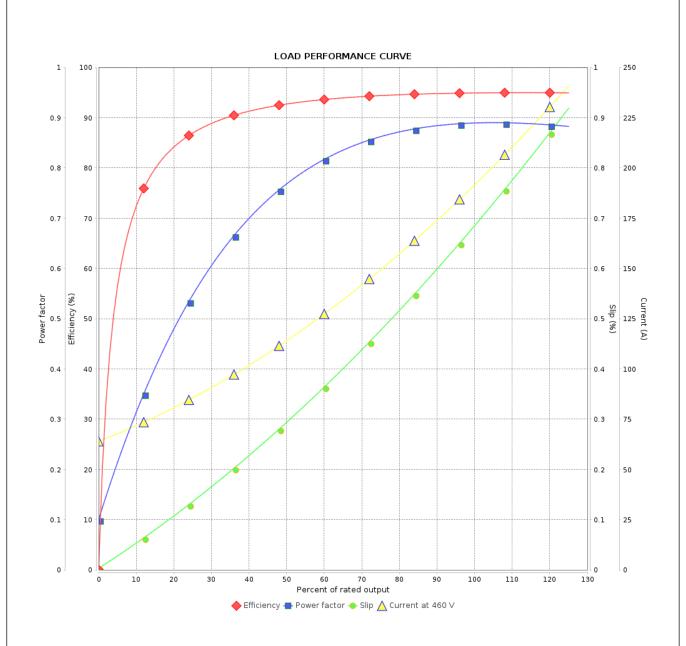
13540803

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Revision





Performance		: 460 V 60 Hz 2P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 196 A : 7.4 : 35.5 kgfm : 215 % : 285 % : 3575 rpm	Duty cycl Insulation Service fa	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							