## **DATA SHEET**

Customer

## Three Phase Induction Motor - Squirrel Cage



Product line : W40 NEMA Premium Efficiency Three-Product code: 15280586 : 444/5TC Locked rotor time Frame : 25s (cold) 14s (hot) Output : 200 HP (150 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 575 V : 1000 m.a.s.l. Rated voltage Altitude Rated current : 187 A Protection degree : IP23 : IC01 - ODP L. R. Amperes : 1236 A Cooling method **LRC** : 6.6x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 69.2 A Rotation<sup>1</sup> Rated speed : 1783 rpm Noise level<sup>2</sup> : 78.0 dB(A)

: Direct On Line Slip : 0.94 % Starting method Rated torque : 81.4 kgfm Approx. weight<sup>3</sup> : 677 kg Locked rotor torque : 210 % Breakdown torque : 250 % : F Insulation class Service factor : 1.15

50% 75% Output 100% Foundation loads : 1441 kgf Efficiency (%) 95.4 95.8 95.8 Max. traction Power Factor : 2119 kgf 0.72 0.80 0.84 Max. compression

Drive endNon drive endBearing type: 6319 C36212 Z C3Sealing: Without Bearing SealWithout Bearing SealLubrication interval: 20000 h20000 hLubricant amount: 45 g13 g

Lubricant type : Mobil Polyrex EM

: 1.96 kgm<sup>2</sup>

: B

Notes:

Moment of inertia (J)

Design

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

16/01/2024

Product line : W40 NEMA Premium Efficiency Three-

Product code:

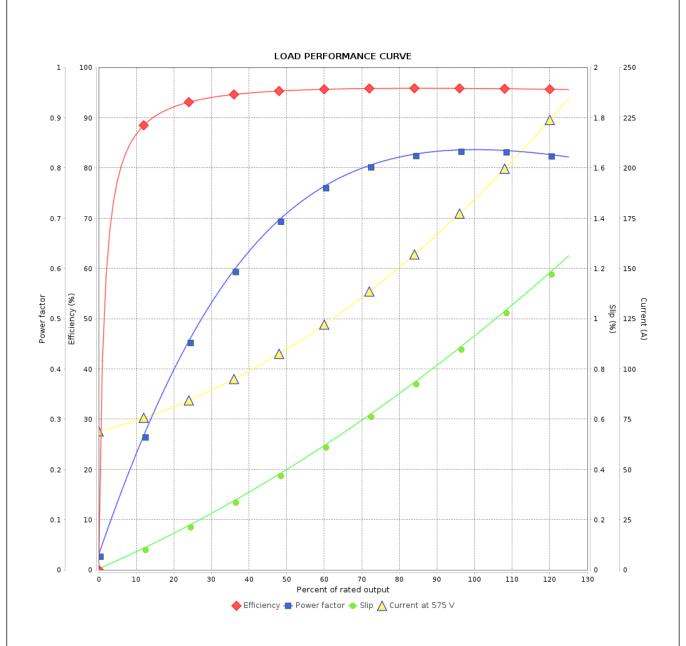
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Revision





Performance	: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.96 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
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