DATA SHEET

Customer

Three Phase Induction Motor - Squirrel Cage

: 1.15



Product line : W40 NEMA Premium Efficiency Three- Product code : 14677478

Phase

Frame : 444/5TS Locked rotor time : 28s (cold) 16s (hot)

Output: 250 HP (185 kW)Temperature rise: 80 KPoles: 2Duty cycle: Cont.(S1)Frequency: 60 HzAmbient temperature: -20°C to +40°CRated voltage: 575 VAltitude: 1000 m.a.s.l.

Rated current : 222 A Protection degree : IP23
L. R. Amperes : 1490 A Cooling method : IC01 - ODP
LRC : 6.7x(Code G) Mounting : F-1

No load current: 57.6 ARotation¹: Both (CW and CCW)Rated speed: 3570 rpmNoise level²: 85.0 dB(A)Slip: 0.83 %Starting method: Direct On Line

Rated torque : 50.8 kgfm Approx. weight³ : 624 kg
Locked rotor torque : 150 %
Breakdown torque : 229 %
Insulation class : F

Moment of inertia (J) : 1.14 kgm²
Design : B

50% 75% Output 100% Foundation loads Efficiency (%) 93.6 94.5 95.0 Max. traction : 710 kgf Power Factor : 1334 kgf 0.79 0.85 0.88 Max. compression

Drive endNon drive endBearing type: 6314 C36212 Z C3Sealing: Without Bearing SealWithout Bearing SealLubrication interval: 14418 h20000 h

Lubrication interval : 14418 h 20000 h Lubricant amount : 27 g 13 g

Lubricant amount : 27 g 13 g Lubricant type : Mobil Polyrex EM

Notes:

Service factor

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

15/01/2024

Product line : W40 NEMA Premium Efficiency Three-

Product code:

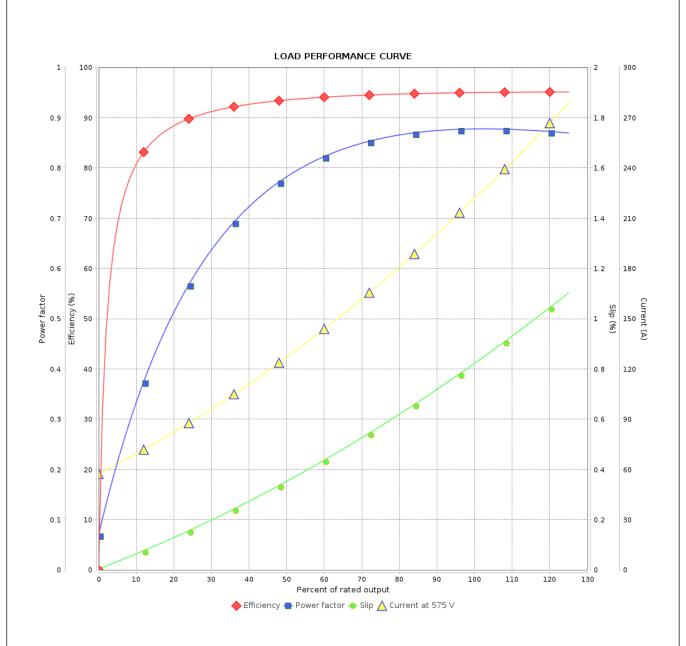
14677478

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Revision





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Performance	: 5	575 V 60 Hz 2P					
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6 : 8 : 1 : 1 : 2	: 6.7 Duty c : 50.8 kgfm Insulat : 150 % Service		class	: 1.14 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	: Cont.(S1) : F : 1.15 : 80 K	
Rev.	Changes Summary			Performed	Checked	Date	
Performed by							