DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 20018OP3GFP445TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14282856

Catalog #: 20018OP3GFP445TS-

W40

Frame : 444/5TS Locked rotor time : 36s (cold) 20s (hot)

Output: 200 HP (150 kW)Temperature rise: 105 KPoles: 4Duty cycle: Cont.(S1)Frequency: 60 HzAmbient temperature: -20°C to +40°CRated voltage: 460 VAltitude: 1000 m.a.s.l.

Rated current : 230 A Protection degree : IP23
L. R. Amperes : 1426 A Cooling method : IC01 - ODP
LRC : 6.2x(Code G) Mounting : F-1

No load current : 71.4 A Rotation¹ : Both (CW and CCW)
Rated speed : 1780 rpm Starting method : Direct On Line

Slip : 1.11 % Approx. weight³ : 1330 lb

Rated torque : 582 ft.lb

Locked rotor torque : 180 %

Breakdown torque : 210 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 42.3 sq.ft.lb

: B

Output 25% 50% 75% 100% Foundation loads

Efficiency (%) 94.4 94.5 95.0 95.0 Max. traction : 3308 lb Power Factor 0.52 0.77 0.83 0.86 Max. compression : 4637 lb

Drive end
Bearing typeNon drive end
6314 C3Sealing: 6314 C36212 Z C3Without Bearing SealWithout Bearing Seal

Lubrication interval:20000 h20000 hLubricant amount:27 g13 g

Lubricant type : Mobil Polyrex EM

Notes

Design

downloaded from http://dealerselectric.com

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
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Date	16/04/2019			1/2	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Revision

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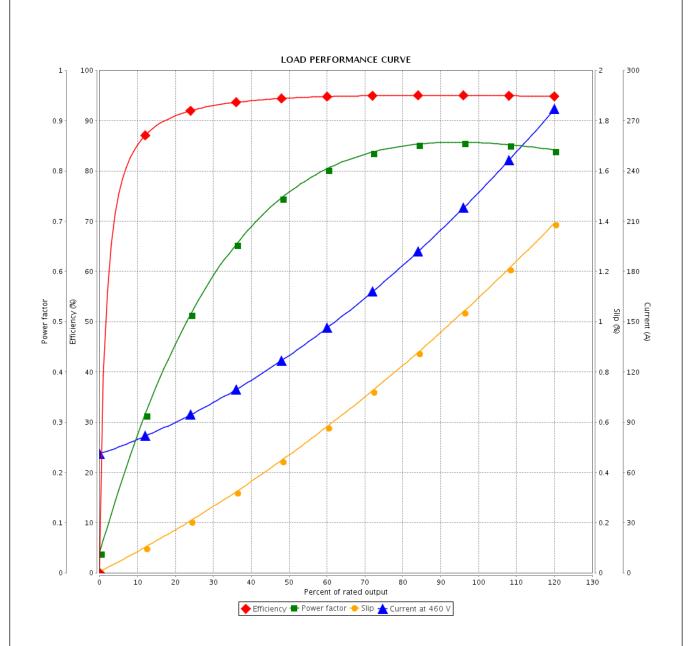
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W40



Performance	: 4	60 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6 : 5 uue : 1 ie : 2	230 A 5.2 582 ft.lb 80 % 210 % 780 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 42.3 sq.ft.lb : Cont.(S1) : F : 1.15 : 105 K : B	
Rev. C		Changes Summary		Performed	Checked	Date
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Date

16/04/2019

