DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 20018OP3HFP445TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14282928

Catalog # : 20018OP3HFP445TS-

W40

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

Output : 200 HP (150 kW) Temperature rise : 105 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 575 V : 1000 m.a.s.l. Altitude : 184 A : IP23

Rated current : 184 A Protection degree : IP23
L. R. Amperes : 1141 A Cooling method : IC01 - ODP
LRC : 6.2x(Code G) Mounting : F-1

No load current : 57.1 A Rotation¹ : Both (CW and CCW)
Rated speed : 1780 rpm Starting method : Direct On Line

Slip : 1.11 % Approx. weight³ : 1327 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

Output 25% 50% 75% 100% Foundation loads

: B

Efficiency (%) 94.4 94.5 95.0 95.0 Max. traction : 2639 lb Power Factor 0.52 0.77 0.83 0.86 Max. compression : 3967 lb

Drive endNon drive endBearing type: 6314 C36212 Z C3Sealing: Without Bearing SealWithout Bearing SealLubrication interval: 20000 h20000 h

Lubricant amount : 27 g 13 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 |
|--------------|------------|-----------------|-----------|---------|----------|
| | | | | | |
| Performed by | | | | | |
| Checked by | | | | Page | Revision |
| Date | 16/04/2019 | | | 1/2 | |

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



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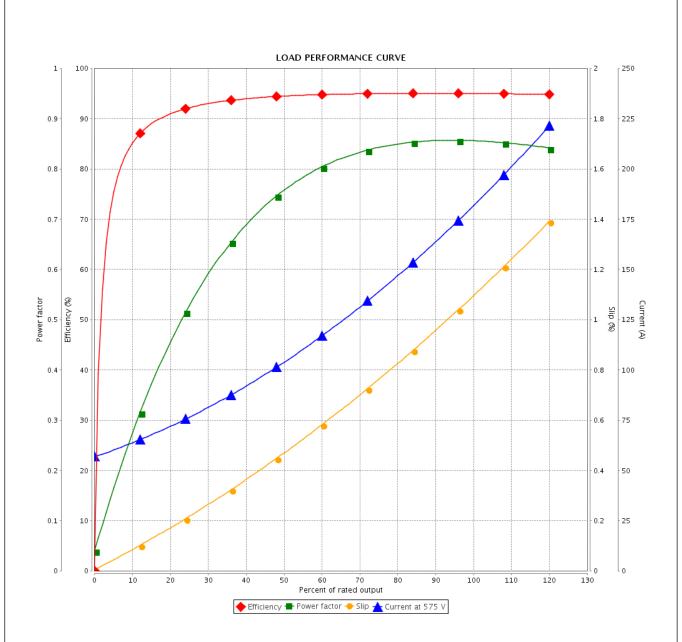
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2/2



| Performance | : 575 V 60 Hz 4P | | | |
|---|---|---|--|----------|
| Rated current LRC Rated torque Locked rotor torque Breakdown torque | : 184 A : 6.2 : 582 ft.lb : 180 % : 210 % | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise | : 42.3 sq.ft.lb : Cont.(S1) : F : 1.15 : 105 K | |
| Rated speed Rev. | : 1780 rpm Changes Summary | Design Performed | : B Checked | Date |
| Performed by | j , | | | |
| Checked by | | | Page | Revision |

16/04/2019

Date

