DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 04018OT3H324TC-W40

Product line : W40 NEMA Premium Efficiency Product code : 14496910

Three-Phase

Catalog #: 04018OT3H324TC-W40

Frame : 324TC Locked rotor time : 23s (cold) 13s (hot)

Output : 40 HP (30 kW)

Poles : 4

Duty cycle : Cont.(S1)

Frequency : 60 Hz

Rated voltage : 575 V

Antitude : 1000 m.a.s.l.

Protoction degrees : IP33

Rated current : 38.1 A Protection degree : IP23
L. R. Amperes : 236 A Cooling method : IC01 - ODP
LRC : 6.2x(Code G) Mounting : F-1

No load current : 14.8 A Rotation¹ : Both (CW and CCW)
Rated speed : 1775 rpm Noise level² : 66.0 dB(A)

Slip : 1.39 % Starting method : Direct On Line Rated torque : 117 ft.lb Approx. weight³ : 472 lb

Locked rotor torque : 200 %
Breakdown torque : 240 %
Insulation class : F
Service factor : 1.25

Moment of inertia (J) : 5.69 sq.ft.lb Design : B

25% 50% 75% 100% Output Foundation loads Efficiency (%) 93.5 93.6 94.1 94.1 Max. traction Power Factor 0.80 0.84 0.44 0.70 Max. compression

Lubrication interval : 20000 h 20000 h Lubricant amount : 21 g 11 g

Lubricant type : Mobil Polyrex EM

Notes

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.

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Performed by					
Checked by				Page	Revision
Date	14/04/2019			1/2	

LOAD PERFORMANCE CURVE

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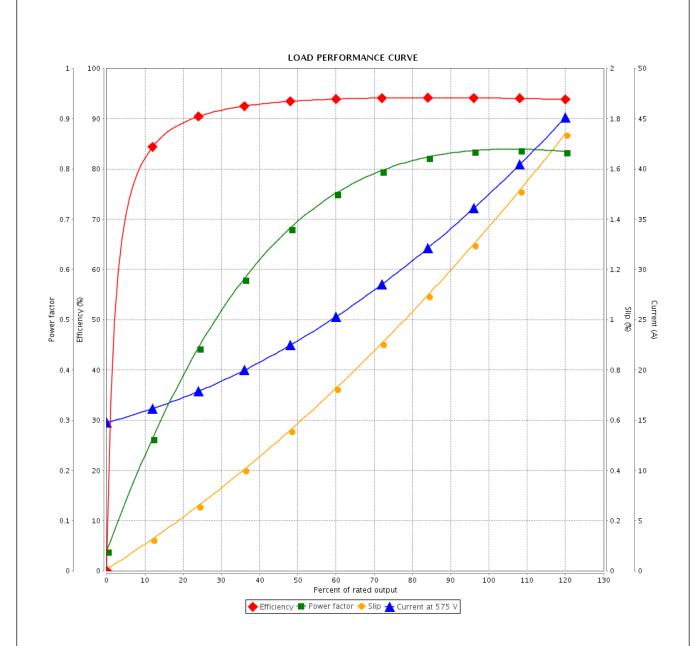
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Performance : 575 V 60 Hz 4P : 38.1 A Moment of inertia (J) : 5.69 sq.ft.lb Rated current **LRC** Duty cycle : Cont.(S1) : 6.2 : 117 ft.lb Insulation class : F Rated torque Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1775 rpm Design : B Rev Changes Summary Checked Performed Date

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