DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 04018OT3E324TSC-W40

Product line : W40 NEMA Premium Efficiency Product code : 14496819

Three-Phase

Catalog #: 04018OT3E324TSC-W40

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

Output : 40 HP (30 kW) Temperature rise : 80 K
Poles : 4 Duty cycle : Cont.(S1)
Frequency : 60 Hz Ambient temperature : -20°C to +40°C
Rated voltage : 208-230/460 V Altitude : 1000 m.a.s.l.

 Rated current
 : 105-95.2/47.6 A
 Protection degree
 : IP23

 L. R. Amperes
 : 653-590/295 A
 Cooling method
 : IC01 - ODP

 LRC
 : 6.2x(Code G)
 Mounting
 : F-1

No load current : 31.9-37.0/18.5 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 0.44 0.70 0.84 Max. compression

Drive endNon drive endBearing type: 6312 Z C36211 Z C3Sealing: Without Bearing SealWithout Bearing SealLubrication interval: 20000 h20000 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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LOAD PERFORMANCE CURVE

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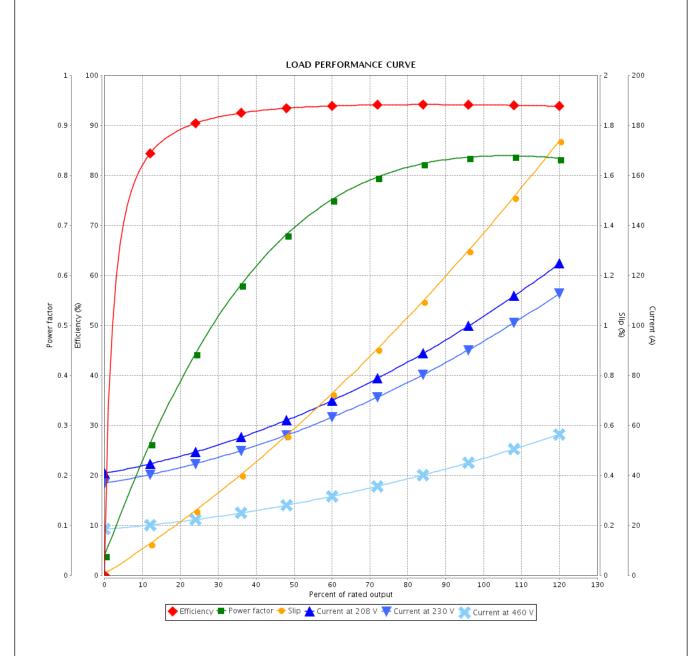
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2/2



Performance	: 208-230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 105-95.2/47.6 A : 6.2 : 117 ft.lb : 200 % : 240 % : 1775 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 5.69 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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