DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 05036OT3E324TS-W40

Product line : W40 NEMA Premium Efficiency Product code : 14367668

Three-Phase

Catalog #: 05036OT3E324TS-W40

Frame : 324TS Locked rotor time : 25s (cold) 14s (hot)

Output : 50 HP (37 kW) Temperature rise : 80 K
Poles : 2 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
 : 130-117/58.7 A
 Protection degree
 : IP23

 L. R. Amperes
 : 818-740/370 A
 Cooling method
 : IC01 - ODP

 LRC
 : 6.3x(Code G)
 Mounting
 : F-1

No load current : 31.9-37.0/18.5 A Rotation¹ : Both (CW and CCW)
Rated speed : 3560 rpm Noise level² : 75.0 dB(A)

Slip : 1.11 % Starting method : Direct On Line
Rated torque : 72.8 ft.lb Approx. weight³ : 427 lb

Rated torque : 72.8 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 220 %
Insulation class : F

Service factor : 1.25 Moment of inertia (J) : 3.02 sq.ft.lb Design : B

25% 50% 75% 100% Output Foundation loads Efficiency (%) 91.5 91.7 93.0 93.0 Max. traction Power Factor 0.50 0.73 0.82 0.85 Max. compression

Bearing typeDrive endNon drive endBearing type: 6312 Z C36211 Z C3Sealing: Without Bearing SealWithout Bearing SealLubrication interval: 19658 h20000 h

Lubricant amount : 21 g 11 g

Lubricant type : Mobil Polyrex EM

Notes

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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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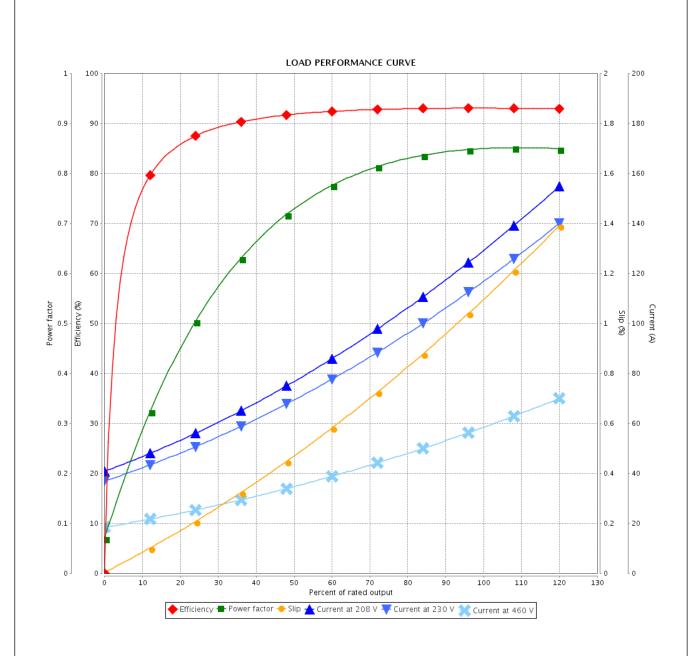
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Performance	: 208-230/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 130-117/58.7 A : 6.3 : 72.8 ft.lb : 200 % : 220 % : 3560 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 3.02 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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