DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 05018OT3H326T-W40

Product line : W40 NEMA Premium Efficiency Product code : 14497308

Three-Phase

Catalog # : 05018OT3H326T-W40

Frame : 324/6T Locked rotor time : 19s (cold) 11s (hot)

Output: 50 HP (37 kW)Temperature rise: 80 KPoles: 4Duty cycle: Cont.(S1)Frequency: 60 HzAmbient temperature: -20°C to +40°CRated voltage: 575 VAltitude: 1000 m.a.s.l.

Rated current : 46.8 A Protection degree : IP23
L. R. Amperes : 295 A Cooling method : IC01 - ODP
LRC : 6.3x(Code G) Mounting : F-1

No load current : 18.6 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 : 146 ft.lb Approx. weight³ : 513 lb

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

Moment of inertia (J) : 7.08 sq.ft.lb Design : B

25% 50% 75% 100% Output Foundation loads 94.0 Efficiency (%) 94.1 94.5 94.5 Max. traction Power Factor 0.44 0.70 0.80 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

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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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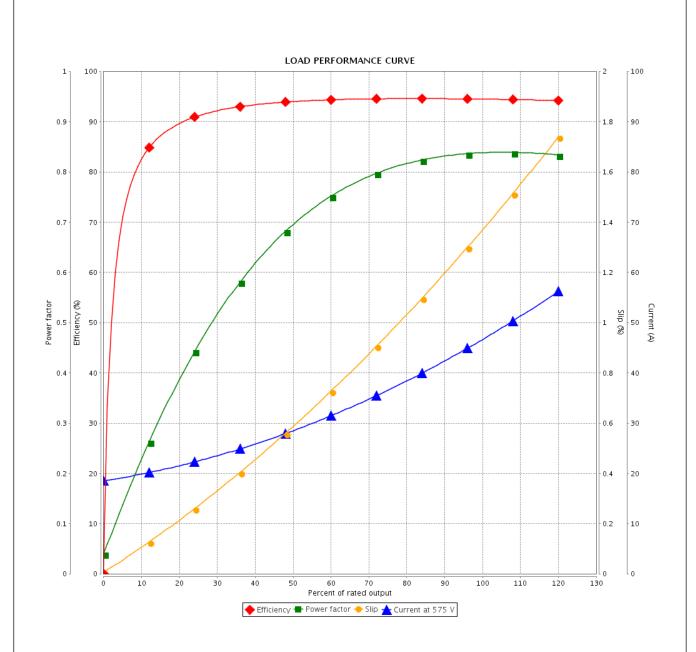
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Performance		: 575 V 60 Hz 4P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		5.8 A 3 46 ft.lb 40 % 40 % 775 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 7.08 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B				
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