DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 04018OT3H324TS-W40

Product line : W40 NEMA Premium Efficiency Product code : 14496914

Three-Phase

Catalog #: 04018OT3H324TS-W40

Frame : 324TS 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 : 575 V Altitude : 1000 m.a.s.l.

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

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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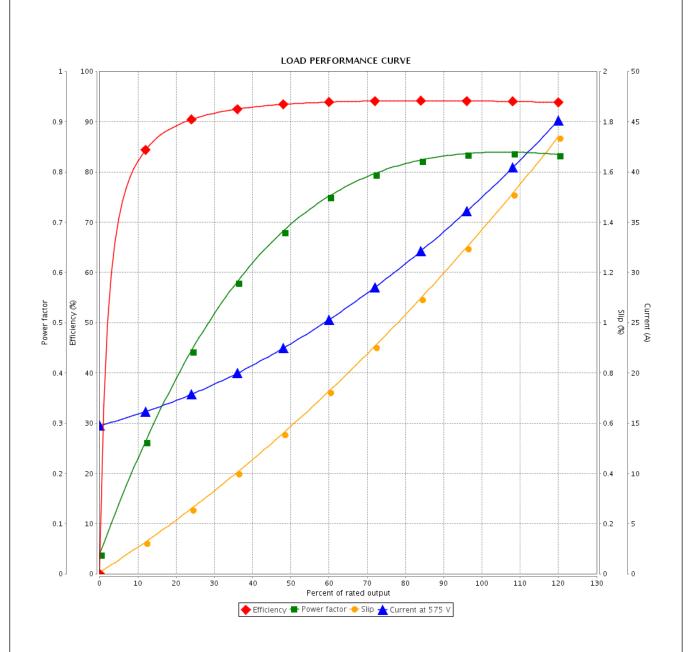
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2/2



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