DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 10012OT3G444T-W40

Product line : W40 NEMA Premium Efficiency Product code : 14046018

Three-Phase

Catalog # : 10012OT3G444T-W40

Frame : 444/5T Locked rotor time : 23s (cold) 13s (hot)

Output : 100 HP (75 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 460 V Altitude : 1000 m.a.s.l. Rated current : 127 A Protection degree : IP23

L. R. Amperes : 775 A Cooling method : IC01 - ODP LRC : 6.1x(Code G) Mounting : F-1

No load current : 56.5 A Rotation¹ : Both (CW and CCW)

Rated speed : 1190 rpm Noise level² : 69.0 dB(A)
Slip : 0.83 % Starting method : Direct On Line

Rated torque : 435 ft.lb Approx. weight³ : 1342 lb
Locked rotor torque : 200 %
Breakdown torque : 250 %

Insulation class : F
Service factor : 1.25

Design : B

Output 25% 50% 75% 100% Foundation loads

: 60.6 sq.ft.lb

Output Foundation loads 95.0 Efficiency (%) 94.4 94.5 95.0 Max. traction : 2404 lb Power Factor 0.37 0.61 0.71 0.78 Max. compression : 3746 lb

Drive end
Bearing typeNon drive end
6319 C3Sealing: Without Bearing SealWithout Bearing Seal

Lubrication interval:20000 h20000 hLubricant amount:45 g27 g

Lubricant type : Mobil Polyrex EM

Notes

Moment of inertia (J)

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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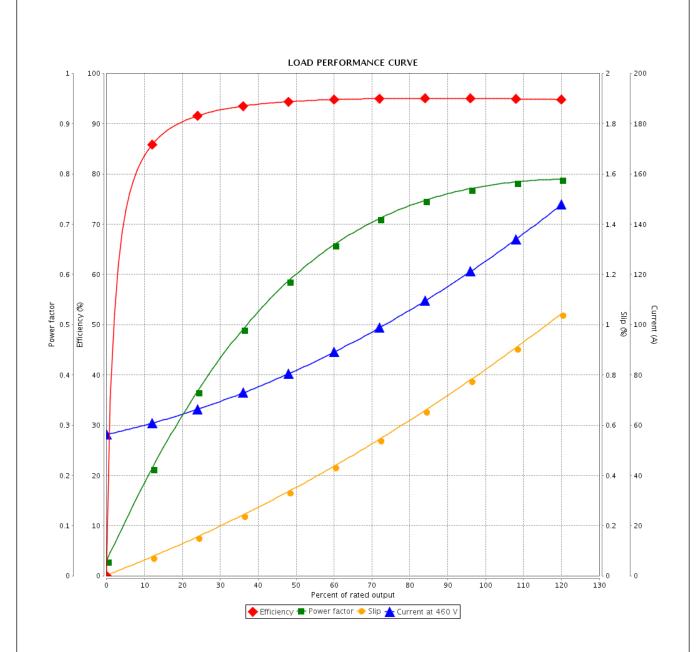
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Performance	: 46	60 V 60 Hz 6P					
Rated current	: 12	: 127 A		Moment of inertia (J)		: 60.6 sq.ft.lb	
LRC	: 6.	.1	Duty cycle		: Cont.(S1)		
Rated torque	: 43	35 ft.lb	Insulation class		: F		
Locked rotor torg	ue : 20	00 %	Service fa	Service factor		: 1.25	
Breakdown torqu	e : 25	50 %	Temperati	Temperature rise		: 80 K	
Rated speed	: 11	190 rpm	Design		: B		
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14/04/2019

Date

