## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 20036OT3G444TS-W40

Product line : W40 NEMA Premium Efficiency Product code : 14026894

Three-Phase

Catalog # : 20036OT3G444TS-W40

Frame : 444/5TS Locked rotor time : 37s (cold) 21s (hot)

Output : 200 HP (150 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 460 V : 1000 m.a.s.l. Altitude Rated current : 225 A Protection degree : IP23

L. R. Amperes : 1463 A Cooling method : IC01 - ODP LRC : 6.5x(Code G) Mounting : F-1

No load current : 67.0 A Rotation¹ : Both (CW and CCW)
Rated speed : 3570 rpm Noise level² : 85.0 dB(A)

Slip : 0.83 % Starting method : Direct On Line Rated torque : 290 ft.lb Approx. weight³ : 1271 lb Locked rotor torque : 140 %

Breakdown torque : 229 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 23.8 sq.ft.lb

Design : B

25% 50% 75% 100% Output Foundation loads Efficiency (%) 92.4 93.0 94.5 95.0 Max. traction : 1344 lb Power Factor 0.54 0.79 0.86 0.88 Max. compression : 2615 lb

Drive end<br/>Bearing typeNon drive end<br/>6314 C3Non drive end<br/>6212 Z C3Sealing: Without Bearing SealWithout Bearing Seal

Lubrication interval:14418 h20000 hLubricant amount:27 g13 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

## Three Phase Induction Motor - Squirrel Cage



Revision

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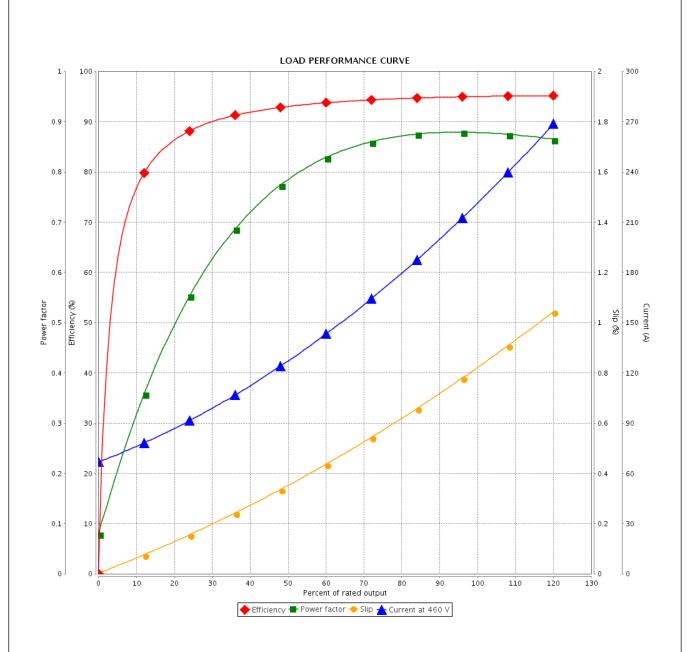
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Performance	:	460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	iue :	225 A 6.5 290 ft.lb 140 % 229 % 3570 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ctor	: 23.8 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.	Changes Summary			Performed	Checked	Date
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Date

16/04/2019

