## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 02012OT3H286T-W40

Product line : W40 NEMA Premium Efficiency Product code : 14494189

Three-Phase

Catalog #: 02012OT3H286T-W40

Frame : 284/6T Locked rotor time : 27s (cold) 15s (hot)

Output : 20 HP (15 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 1000 m.a.s.l. : 575 V Altitude Rated current : 19.4 A Protection degree : IP23

 L. R. Amperes
 : 124 A
 Cooling method
 : IC01 - ODP

 LRC
 : 6.4x(Code G)
 Mounting
 : F-1

No load current: 7.52 ARotation¹: Both (CW and CCW)Rated speed: 1177 rpmNoise level²: 59.0 dB(A)Slip: 1.92 %Starting method: Direct On LineRated torque: 88.0 ft.lbApprox. weight³: 383 lb

Rated torque : 88.0 ft.lb
Locked rotor torque : 229 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 6.89 sq.ft.lb

Design : B

25% 50% 75% 100% Output Foundation loads Efficiency (%) 91.5 91.7 92.4 92.4 Max. traction Power Factor 0.45 0.71 0.80 0.84 Max. compression

Drive endNon drive endBearing type: 6311 Z C36211 Z C3Sealing: Without Bearing SealWithout Bearing SealLubrication interval: 20000 h20000 h

Lubricant amount : 18 g 11 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

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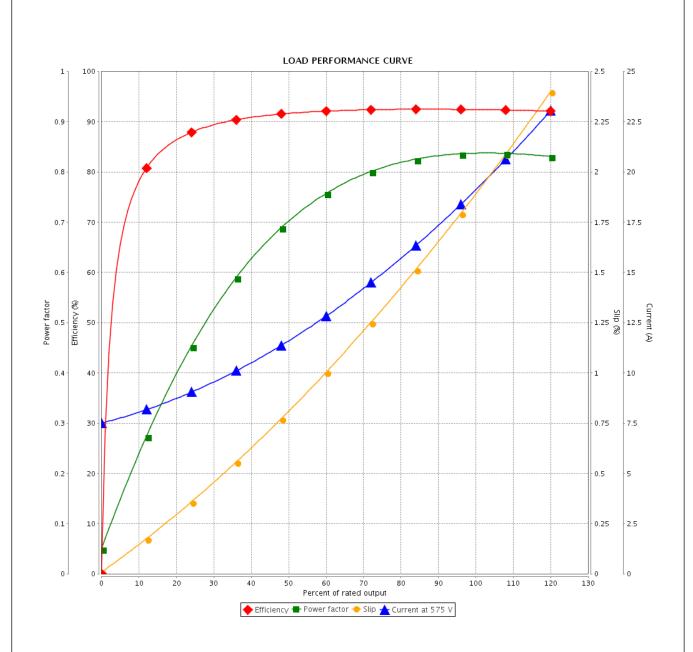
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Performance	: 575 V 60 Hz 6P	: 575 V 60 Hz 6P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 19.4 A : 6.4 : 88.0 ft.lb : 229 % : 260 % : 1177 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 6.89 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B					
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