## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 03018OT3V286TS-W40

Product line : W40 NEMA Premium Efficiency Product code : 14495867

Three-Phase

Catalog #: 03018OT3V286TS-W40

Frame : 284/6TS Locked rotor time : 32s (cold) 18s (hot)

Output : 30 HP (22 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 200/400 V : 1000 m.a.s.l. Altitude Rated current : 80.3/40.1 A Protection degree : IP23

L. R. Amperes : 530/265 A Cooling method : IC01 - ODP LRC : 6.6x(Code G) Mounting : F-1

No load current: 33.3/16.7 ARotation¹: Both (CW and CCW)Rated speed: 1770 rpmNoise level²: 64.0 dB(A)Slip: 1.67 %Starting method: Direct On Line

Rated torque : 87.8 ft.lb Approx. weight³ : 421 lb
Locked rotor torque : 280 %
Breakdown torque : 280 %
Insulation class : F

Moment of inertia (J) : 4.52 sq.ft.lb

Design : B

: 1.25

25% 50% 75% 100% Output Foundation loads Efficiency (%) 93.4 93.6 94.1 94.1 Max. traction Power Factor 0.44 0.70 0.80 0.84 Max. compression

Drive end<br/>Bearing typeNon drive end<br/>6311 Z C3Non drive end<br/>6211 Z C3Sealing: Without Bearing SealWithout Bearing Seal

Lubrication interval : 20000 h 20000 h Lubricant amount : 18 g 11 g

Lubricant type : Mobil Polyrex EM

Notes

Service factor

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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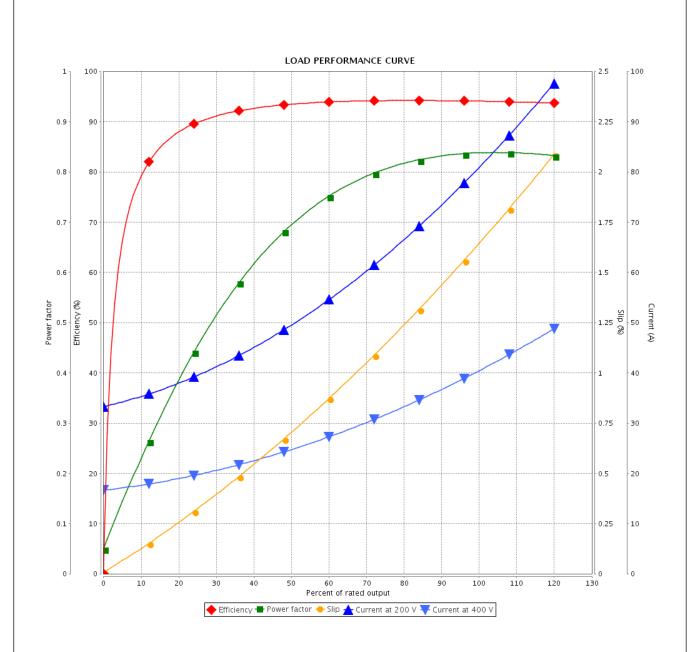
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Performance	: 200/400 V 60 Hz 4P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 80.3/40.1 A : 6.6 : 87.8 ft.lb : 280 % : 280 % : 1770 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 4.52 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B				
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Date

