## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 01518OT3P254T-W40

Product line : W40 NEMA Premium Efficiency Product code : 14500596

Three-Phase

Catalog #: 01518OT3P254T-W40

Frame : 254T Locked rotor time : 30s (cold) 17s (hot)

Output: 15 HP (11 kW)Temperature rise: 80 KPoles: 4Duty cycle: Cont.(S1)Frequency: 60 HzAmbient temperature: -20°C to +40°CRated voltage: 200 VAltitude: 1000 m.a.s.l.

Rated current : 40.2 A Protection degree : IP23
L. R. Amperes : 258 A Cooling method : IC01 - ODP
LRC : 6.4x(Code G) Mounting : F-1

No load current : 15.0 A Rotation<sup>1</sup> : Both (CW and CCW)
Rated speed : 1770 rpm Noise level<sup>2</sup> : 62.0 dB(A)

Slip : 1.67 % Starting method : Direct On Line

Rated torque : 43.9 ft.lb Approx. weight³ : 261 lb
Locked rotor torque : 240 %
Breakdown torque : 280 %

Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 2.72 sq.ft.lb

: B

25% 50% 75% 100% Output Foundation loads Efficiency (%) 91.0 91.7 92.4 93.0 Max. traction Power Factor 0.28 0.38 0.78 0.85 Max. compression

Drive endNon drive endBearing type: 6309 Z C36209 Z C3Sealing: Without Bearing SealWithout Bearing SealLubrication interval: 20000 h20000 h

Lubricant amount : 13 g 9 g

Lubricant type : Mobil Polyrex EM

Notes

Design

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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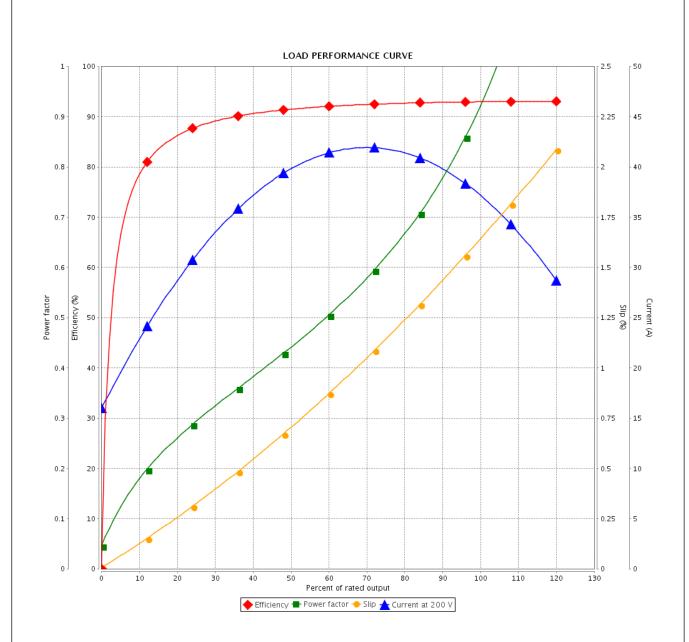
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Performance	:	200 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		40.2 A 6.4 43.9 ft.lb 240 % 280 % 1770 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 2.72 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	: Cont.(S1) : F : 1.25 : 80 K	
Rev.	Changes Summary			Performed	Checked	Date	
Performed by							

Checked by

Date

13/04/2019

