## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 05018OT3E326T-W40G

Product line : W40 NEMA Premium Efficiency Product code : 14504114

Three-Phase

Catalog #: 05018OT3E326T-W40G

Frame : 324/6T Locked rotor time : 19s (cold) 11s (hot)

Output : 50 HP (37 kW) Temperature rise : 80 K
Poles : 4 Duty cycle : Cont.(S1)
Frequency : 60 Hz Ambient temperature : -20°C to +40°C
Rated voltage : 208-230/460 V Altitude : 1000 m.a.s.l.

 Rated current
 : 129-117/58.5 A
 Protection degree
 : IP23

 L. R. Amperes
 : 815-737/369 A
 Cooling method
 : IC01 - ODP

 LRC
 : 6.3x(Code G)
 Mounting
 : F-1

No load current: 40.0-46.4/23.2 ARotation¹: Both (CW and CCW)Rated speed: 1775 rpmNoise level²: 66.0 dB(A)Slip: 1.39 %Starting method: Direct On LineRated torque: 146 ft.lbApprox. weight³: 516 lb

Rated torque : 146 ft.lb
Locked rotor torque : 240 %
Breakdown torque : 240 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 7.08 sq.ft.lb

Design : B

25% 50% 75% 100% Output Foundation loads Efficiency (%) 94.0 94.1 94.5 94.5 Max. traction Power Factor 0.44 0.70 0.80 0.84 Max. compression

Drive end<br/>Bearing typeNon drive end<br/>6312 Z C3Non drive end<br/>6211 Z C3Sealing: Without Bearing Seal<br/>Lubrication intervalWithout Bearing Seal<br/>20000 h

Lubricant amount : 21 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.

Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2019			1/2	

## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

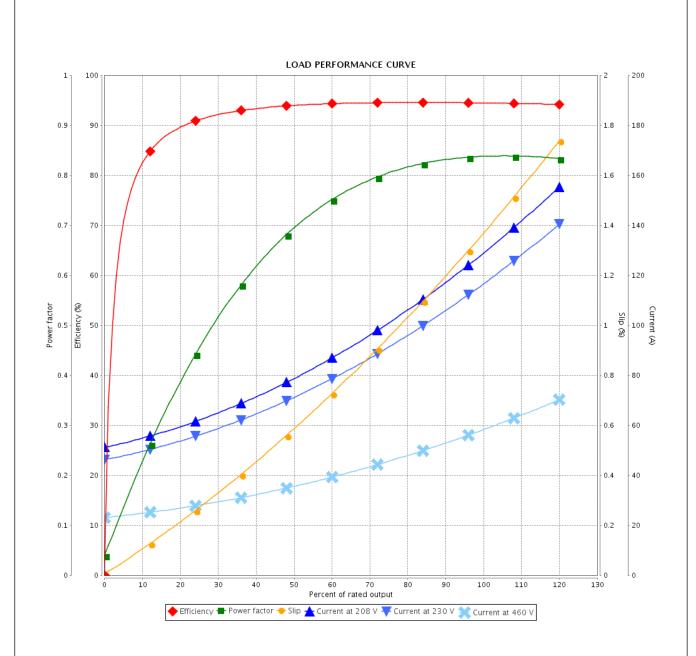
Customer reference : 05018OT3E326T-W40G

Product line : W40 NEMA Premium Efficiency Product code : 14504114

Three-Phase

Catalog #: 05018OT3E326T-W40G

2/2



Performance	: 208-230/460 V 60 Hz 4P						
Rated current LRC	: 129-117/58.5 A : 6.3	Moment of inertia (J) Duty cycle		: 7.08 sq.ft.lb : Cont.(S1)			
Rated torque	: 146 ft.lb Insulation class			: F			
Locked rotor torque Breakdown torque	: 240 % : 240 %	0 % Temperature rise		: 1.25 : 80 K			
Rated speed	: 1775 rpm			: B			
Rev.	Changes Summary		Performed	Checked	Date		
Performed by							
Checked by				Page	Revision		

14/04/2019

Date

