DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 05036OT3V324TS-W40

Product line : W40 NEMA Premium Efficiency Product code : 14497422

Three-Phase

Catalog #: 05036OT3V324TS-W40

Frame : 324TS Locked rotor time : 25s (cold) 14s (hot)

Output : 50 HP (37 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 : 135/67.5 A Protection degree : IP23

L. R. Amperes : 851/425 A Cooling method : IC01 - ODP LRC : 6.3x(Code G) Mounting : F-1

No load current : 42.5/21.3 A Rotation¹ : Both (CW and CCW)
Rated speed : 3560 rpm Noise level² : 75.0 dB(A)

Starting method : Direct On Line

Rated torque : 72.8 ft.lb Approx. weight³ : 450 lb

Locked rotor torque : 200 %

Breakdown torque : 220 %

Insulation class : F

Service factor : 1.25

Moment of inertia (J) : 3.02 sq.ft.lb

Design : B

25% 50% 75% 100% Output Foundation loads Efficiency (%) 91.5 91.7 93.0 93.0 Max. traction Power Factor 0.50 0.73 0.82 0.85 Max. compression

Drive endNon drive endBearing type: 6312 Z C36211 Z C3Sealing: Without Bearing SealWithout Bearing SealLubrication interval: 19658 h20000 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



Revision

Page 2/2

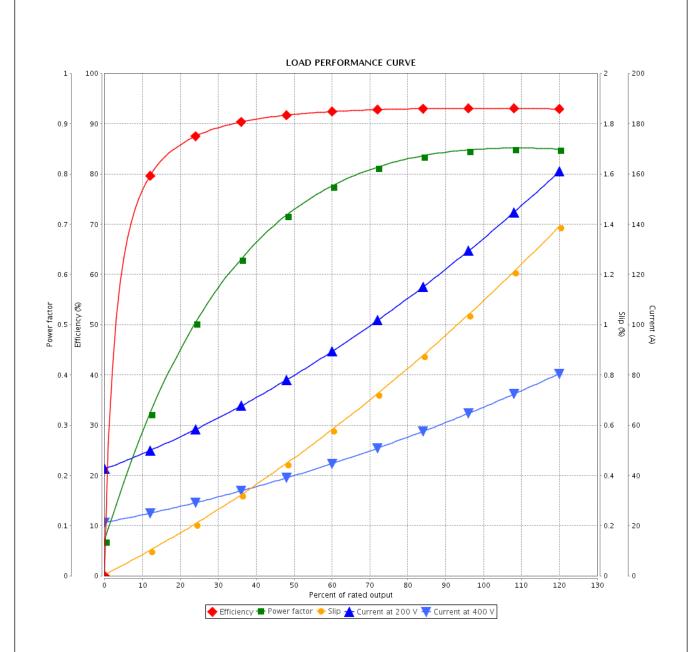
Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 05036OT3V324TS-W40

Product line : W40 NEMA Premium Efficiency Product code : 14497422

Three-Phase

Catalog #: 05036OT3V324TS-W40



Performance		: 200/400 V 6	60 Hz 2P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 135/67.5 A : 6.3 : 72.8 ft.lb : 200 % : 220 % : 3560 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 3.02 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Rev.	Changes Summary			Performed	Checked	Date		
Performed by								

Checked by

Date

14/04/2019

