## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 12536OT3E404TS-W40

Product line : W40 NEMA Premium Efficiency Product code : 14011072

Three-Phase

Catalog # : 12536OT3E404TS-W40

: Cont.(S1) : -20°C to +40°C

: IP23

: F-1

: 1000 m.a.s.l.

: IC01 - ODP

: 84.0 dB(A)

: 866 lb

: Direct On Line

: Both (CW and CCW)

Frame : 404/5TS Locked rotor time : 21s (cold) 12s (hot)
Output : 125 HP Temperature rise : 80 K

Duty cycle

Altitude

Mounting

Rotation<sup>1</sup>

Noise level<sup>2</sup>

Ambient temperature

Protection degree

Cooling method

Starting method

Approx. weight<sup>3</sup>

Poles : 2
Frequency : 60 Hz
Rated voltage : 208-230/460

Rated voltage : 208-230/460 V
Rated current : 301-272/136 A
L. R. Amperes : 2045-1850/925 A
LRC : 6.8x(Code G)
No lond current : 63.1, 73.0/36.0 A

No load current : 62.1-72.0/36.0 A
Rated speed : 3557 rpm
Slip : 1.19 %
Rated torque : 182 ft.lb
Locked rotor torque : 170 %
Breakdown torque : 260 %

Breakdown torque : 260 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 8.23 sq.ft.lb
Design : B

25%

50% 75% 100% Foundation loads

Efficiency (%) 92.8 93.0 94.1 94.1 Max. traction : 1107 lb Power Factor 0.57 0.79 0.86 0.88 Max. compression : 1973 lb

Lubrication interval : 14418 h 20000 h Lubricant amount : 27 g 13 g

Lubricant type : Mobil Polyrex EM

Notes

Output

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	15/04/2019			1/2	

## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Revision

Page 2/2

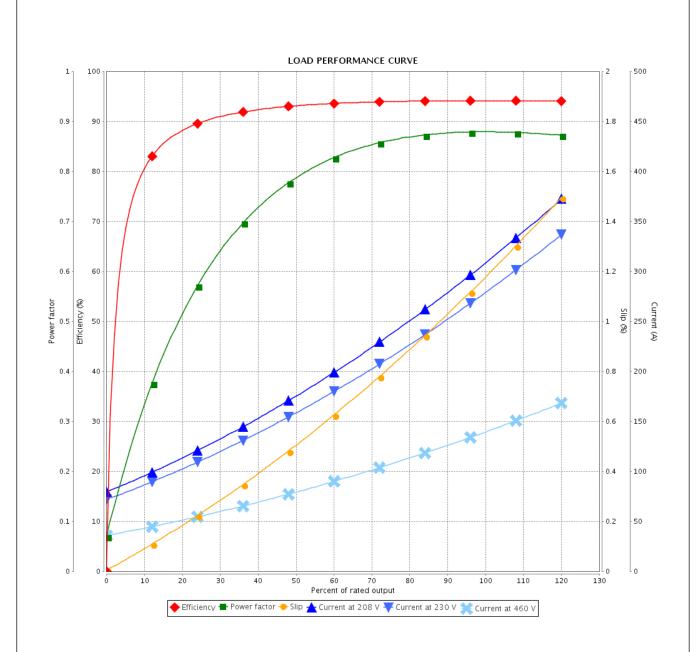
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Performance	: 2	08-230/460 V 60 Hz 2P					
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6 : 1 jue : 1 ie : 2	: 6.8 : 182 ft.lb : 170 % : 260 %		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 8.23 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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Checked by

Date

15/04/2019

