DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 12518OT3ERB405T-W40

Product line : W40 NEMA Premium Efficiency Product code : 14272879

Three-Phase

Catalog # : 12518OT3ERB405T-W40

: Cont.(S1) : -20°C to +40°C

: IP23

: F-1

: 1000 m.a.s.l.

: IC01 - ODP

: 69.0 dB(A)

: 1053 lb

: Direct On Line

: Both (CW and CCW)

Frame : 404/5T Locked rotor time : 18s (cold) 10s (hot)
Output : 125 HP Temperature rise : 80 K

Duty cycle

Altitude

Mounting

Rotation¹

Noise level²

Ambient temperature

Protection degree

Cooling method

Starting method

Approx. weight³

Poles : 4
Frequency : 60 Hz
Rated voltage : 208-230/460 \
Rated current : 305-276/138 A

 Rated voltage
 : 208-230/460 V

 Rated current
 : 305-276/138 A

 L. R. Amperes
 : 2106-1904/952 A

 LRC
 : 6.9x(Code G)

No load current : 81.0-94.0/47.0 A
Rated speed : 1780 rpm
Slip : 1.11 %
Rated torque : 364 ft.lb
Locked rotor torque : 270 %
Breakdown torque : 260 %

Breakdown torque : 260 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 25.5 sq.ft.lb
Design : B

25%

50% 75% 100% Foundation loads

Efficiency (%) 94.9 95.0 95.4 95.4 Max. traction : 2878 lb Power Factor 0.50 0.75 0.83 0.86 Max. compression : 3931 lb

Lubrication interval : 20000 h 20000 h Lubricant amount : 34 g 27 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.

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LOAD PERFORMANCE CURVE

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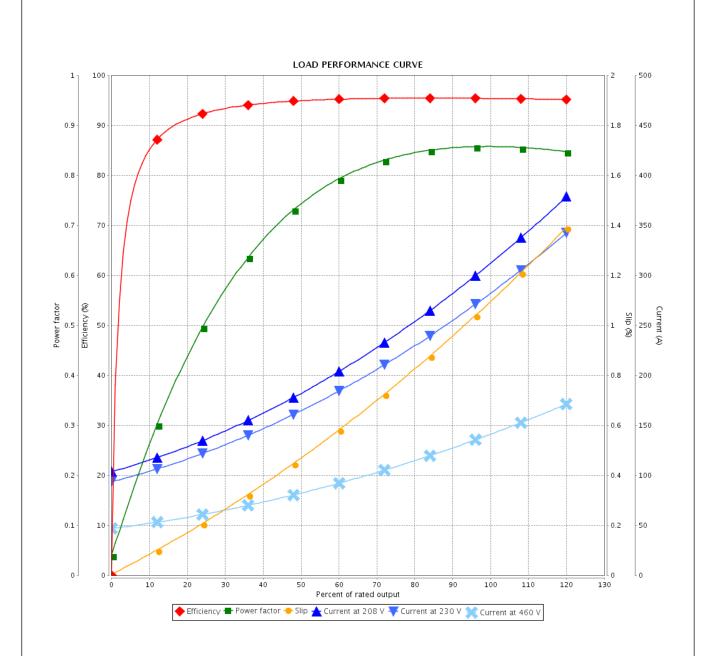
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Performance	: 208-230/460 V 60 Hz 4P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 305-276/138 A : 6.9 : 364 ft.lb : 270 % : 260 % : 1780 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 25.5 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B				
Rev.	Changes Summary		Performed	Checked	Date			
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Date

