## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 12518OT3E405TSC-W40

Product line : W40 NEMA Premium Efficiency Product code : 14284934

Three-Phase

Catalog #: 12518OT3E405TSC-W40

: Cont.(S1) : -20°C to +40°C

: IP23

: F-1

: 1000 m.a.s.l.

: IC01 - ODP

: 69.0 dB(A)

: 1041 lb

: Direct On Line

: Both (CW and CCW)

Frame : 404/5TSC Locked rotor time : 18s (cold) 10s (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>

Output : 125 HP
Poles : 4
Frequency : 60 Hz
Rated voltage : 208-230/460 V

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 : 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 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 25.5 sq.ft.lb

Design : B

Output 25% 50% 75% 100% Foundation loads

Efficiency (%) 94.9 95.0 95.4 95.4 Max. traction : 2884 lb Power Factor 0.50 0.75 0.83 0.86 Max. compression : 3926 lb

Lubrication interval : 20000 h 20000 h Lubricant amount : 27 g 13 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         | 15/04/2019 |                 |           | 1/2     |          |

## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Revision

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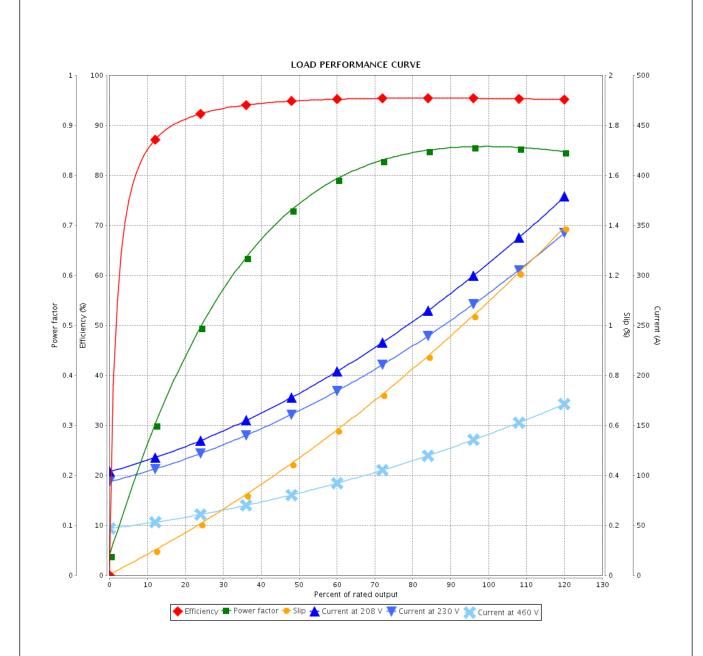
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| Performance   | : 2                   | 08-230/460 V 60 Hz 4P                      |  |  |         |  |  |
|---|-----------------------|--|--|--|---------|--|--|
| Rated current<br>LRC<br>Rated torque<br>Locked rotor tord<br>Breakdown torqu<br>Rated speed | : 6<br>: 3<br>jue : 2 | : 6.9<br>: 364 ft.lb<br>: 270 %<br>: 260 % |  | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design |         | : 25.5 sq.ft.lb<br>: Cont.(S1)<br>: F<br>: 1.25<br>: 80 K<br>: B |  |
| Rev.  | Changes Summary       |  |  | Performed  | Checked | Date   |  |
|   |                       |  |  |  |         |  |  |
| Performed by  |                       |  |  |  |         |  |  |
| -   |                       | Changes Summary                            |  | Performed  | Checked | Date   |  |

Checked by

Date

15/04/2019

