## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 20018OT3G445T-W40

Product line : W40 NEMA Premium Efficiency Product code : 14272546

Three-Phase

Catalog # : 20018OT3G445T-W40

Frame : 444/5T Locked rotor time : 25s (cold) 14s (hot)

Output: 200 HP (150 kW)Temperature rise: 80 KPoles: 4Duty cycle: Cont.(S1)Frequency: 60 HzAmbient temperature: -20°C to +40°CRated voltage: 460 VAltitude: 1000 m.a.s.l.

Rated current : 234 A Protection degree : IP23
L. R. Amperes : 1544 A Cooling method : IC01 - ODP
LRC : 6.6x(Code G) Mounting : F-1

No load current : 86.5 A Rotation<sup>1</sup> : Both (CW and CCW)
Rated speed : 1783 rpm Noise level<sup>2</sup> : 78.0 dB(A)

Rated speed : 1783 rpm Noise level<sup>2</sup> : 78.0 dB(A)
Slip : 0.94 % Starting method : Direct On Line

Rated torque : 581 ft.lb Approx. weight³ : 1457 lb
Locked rotor torque : 210 %
Breakdown torque : 250 %

Insulation class : F
Service factor : 1.15

Output 25% 50% 75% 100% Foundation loads

: 46.4 sq.ft.lb

: B

 Efficiency (%)
 95.3
 95.4
 95.8
 95.8
 Max. traction
 : 3726 lb

 Power Factor
 0.46
 0.72
 0.80
 0.84
 Max. compression
 : 5183 lb

Drive end<br/>Bearing typeNon drive end<br/>6319 C3Sealing: Without Bearing SealWithout Bearing Seal

Lubrication interval : 20000 h 20000 h Lubricant amount : 45 g 27 g

Lubricant type : Mobil Polyrex EM

Notes

Moment of inertia (J)

Design

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         | 16/04/2019      |  |           | 1/2     |          |

## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



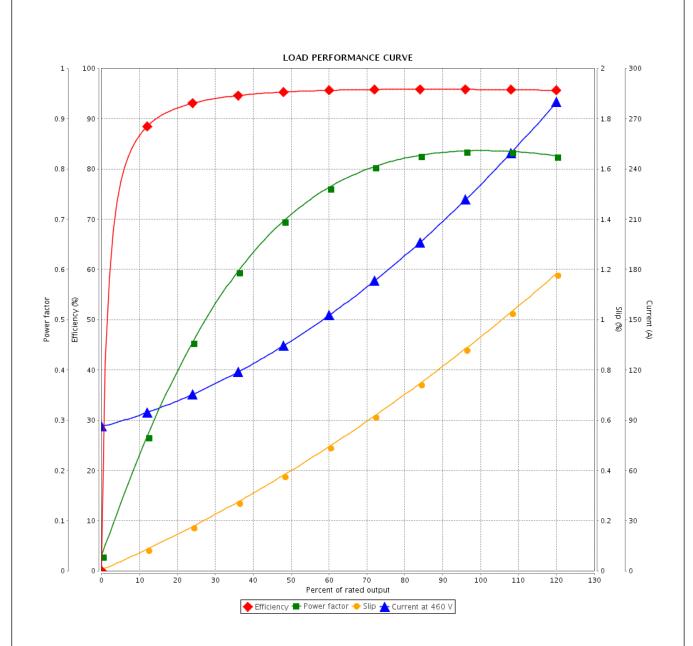
Customer : Dealers Industrial Equipment 800-469-3110

Customer reference : 20018OT3G445T-W40

Product line : W40 NEMA Premium Efficiency Product code : 14272546

Three-Phase

Catalog #: 20018OT3G445T-W40



| Performance         | : 460 V 60 Hz 4P |  |           |                 |          |
|---------------------|------------------|--|-----------|-----------------|----------|
| Rated current       | : 234 A          | Moment of inertia (J)                  |           | : 46.4 sq.ft.lb |          |
| LRC                 | : 6.6            | Duty cycle                             |           | : Cont.(S1)     |          |
| Rated torque        | : 581 ft.lb      | Insulation of                          | class     | : F             |          |
| Locked rotor torque | : 210 %          | Service factor Temperature rise Design |           | : 1.15          |          |
| Breakdown torque    | : 250 %          |  |           | : 80 K          |          |
| Rated speed         | : 1783 rpm       |  |           | : B             |          |
| Rev.                | Changes Summary  |  | Performed | Checked         | Date     |
| Performed by        |                  |  |           |                 |          |
| Checked by          |                  |  |           | Page            | Revision |

16/04/2019

Date

2/2

