



Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : ODP – Open Induction Motors – High Efficiency

Frame : 447/9TS
 Output : 400 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3565 rpm
 Slip : 0.97 %
 Voltage : 460 V
 Rated current : 443 A
 Locked rotor current : 2880 A
 Locked rotor current (I_L/I_n) : 6.5
 No-load current : 100 A
 Full load torque : 581 lb.ft
 Locked rotor torque : 170 %
 Breakdown torque : 250 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 14 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP23
 Approximate weight : 1896 lb
 Moment of inertia : 39.092 sq.ft.lb
 Noise level : 85 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6314 C3 | 6314 C3 |
| Regreasing interval | 14418 h | 14418 h |
| Grease amount | 27 g | 27 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.89 | 95.4 |
| 75% | 0.88 | 95.4 |
| 50% | 0.83 | 95.0 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #40036OP3G447/9TS

Performed by

Checked