



Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : W22 NEMA Premium - Roller Bearings

Frame : L447/9T
 Output : 400 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1785 rpm
 Slip : 0.83 %
 Voltage : 460 V
 Rated current : 445 A
 Locked rotor current : 2890 A
 Locked rotor current (I_L/I_n) : 6.5
 No-load current : 125 A
 Full load torque : 1161 lb.ft
 Locked rotor torque : 250 %
 Breakdown torque : 260 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 21 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 3285 lb
 Moment of inertia : 136.37 sq.ft.lb
 Noise level : 79 dB(A)

| | D.E. | N.D.E. |
|---------------------|-----------|---------|
| Bearings | NU-322 C3 | 6319 C3 |
| Regreasing interval | 4000 h | 8000 h |
| Grease amount | 60 g | 45 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.88 | 96.2 |
| 75% | 0.85 | 95.8 |
| 50% | 0.80 | 95.4 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #40018ET3GRB449T-W22

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