



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 NEMA Premium - Ball Bearings

Frame : 445/7T
Output : 200 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1785 rpm
Slip : 0.83 %
Voltage : 460 V
Rated current : 230 A
Locked rotor current : 1450 A
Locked rotor current (I_L/I_n) : 6.3
No-load current : 70.0 A
Full load torque : 580 lb.ft
Locked rotor torque : 220 %
Breakdown torque : 250 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 16 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 2095 lb
Moment of inertia : 76.217 sq.ft.lb
Noise level : 73 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6319 C3 | 6316 C3 |
| Regreasing interval | 8000 h | 10000 h |
| Grease amount | 45 g | 34 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.85 | 96.2 |
| 75% | 0.82 | 96.2 |
| 50% | 0.73 | 95.8 |

Notes:
Downloaded from <http://dealerselectric.com>
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