



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 : 447/9T
Output : 300 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1780 rpm
Slip : 1.11 %
Voltage : 460 V
Rated current : 330 A
Locked rotor current : 2150 A
Locked rotor current (I_L/I_n) : 6.5
No-load current : 105 A
Full load torque : 873 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 230 %
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 : 2381 lb
Moment of inertia : 89.555 sq.ft.lb
Noise level : 75 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% | 0.87 | 96.2 |
| 75% | 0.84 | 96.2 |
| 50% | 0.77 | 95.8 |

Notes:

Downloaded from <http://dealerselectric.com>
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