



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 NEMA Premium - Roller Bearings

Frame : 404/5T
Output : 75 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1180 rpm
Slip : 1.67 %
Voltage : 575 V
Rated current : 67.9 A
Locked rotor current : 435 A
Locked rotor current (I_L/I_n) : 6.4
No-load current : 24.0 A
Full load torque : 329 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 230 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 17 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 1089 lb
Moment of inertia : 40.209 sq.ft.lb
Noise level : 68 dB(A)

| | D.E. | N.D.E. |
|---------------------|-----------|---------|
| Bearings | NU-316 C3 | 6314 C3 |
| Regreasing interval | 12000 h | 17000 h |
| Grease amount | 34 g | 27 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.86 | 94.5 |
| 75% | 0.83 | 94.5 |
| 50% | 0.74 | 94.1 |

Notes:

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