



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 High Efficiency

Frame : 404/5T
Output : 50 HP
Frequency : 60 Hz
Poles : 8
Full load speed : 875 rpm
Slip : 2.78 %
Voltage : 230/460 V
Rated current : 122/61.0 A
Locked rotor current : 756/378 A
Locked rotor current (I_L/I_n) : 6.2
No-load current : 48.0/24.0 A
Full load torque : 296 lb.ft
Locked rotor torque : 170 %
Breakdown torque : 240 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 12 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 992 lb
Moment of inertia : 34.625 sq.ft.lb
Noise level : 60 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6316 C3 | 6314 C3 |
| Regreasing interval | 20000 h | 20000 h |
| Grease amount | 34 g | 27 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.83 | 91.7 |
| 75% | 0.79 | 91.7 |
| 50% | 0.70 | 91.7 |

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #05009EP3E404T-W22

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