



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 General Purpose TEFC

Frame : 284/6T
Output : 30 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1765 rpm
Slip : 1.94 %
Voltage : 200/400 V
Rated current : 80.7/40.4 A
Locked rotor current : 492/246 A
Locked rotor current (I_L/I_n) : 6.1
No-load current : 29.9/15.0 A
Full load torque : 88.1 lb.ft
Locked rotor torque : 240 %
Breakdown torque : 240 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 20 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 437 lb
Moment of inertia : 5.8532 sq.ft.lb
Noise level : 64 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6311 C3 | 6211 C3 |
| Regreasing interval | 20000 h | 20000 h |
| Grease amount | 18 g | 11 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.84 | 93.6 |
| 75% | 0.80 | 93.0 |
| 50% | 0.70 | 93.0 |

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