



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : W22 NEMA Premium - Ball Bearings

Frame : 254/6T
 Output : 20 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1765 rpm
 Slip : 1.94 %
 Voltage : 575 V
 Rated current : 19.3 A
 Locked rotor current : 133 A
 Locked rotor current (I_L/I_n) : 6.9
 No-load current : 8.00 A
 Full load torque : 58.7 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 270 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 15 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 291 lb
 Moment of inertia : 3.0963 sq.ft.lb
 Noise level : 64 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6309 C3 | 6209 C3 |
| Regreasing interval | 20000 h | 20000 h |
| Grease amount | 13 g | 9 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.84 | 93.0 |
| 75% | 0.79 | 92.4 |
| 50% | 0.68 | 91.7 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #02018ET3H256TC-W22

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