



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 Super Premium

Frame : 284/6TS
Output : 30 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3550 rpm
Slip : 1.39 %
Voltage : 208-230/460 V
Rated current : 74.1-67.0/33.5 A
Locked rotor current : 503/251 A
Locked rotor current (I_L/I_n) : 7.5
No-load current : 22.0/11.0 A
Full load torque : 43.8 lb.ft
Locked rotor torque : 240 %
Breakdown torque : 330 %
Design : A
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 19 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 : 3.1912 sq.ft.lb
Noise level : 72 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6311 C3 | 6211 C3 |
| Regreasing interval | 14000 h | 17000 h |
| Grease amount | 18 g | 11 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.88 | 93.6 |
| 75% | 0.84 | 93.6 |
| 50% | 0.76 | 92.4 |

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #03036EG3E286TS-W22

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