



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 284T
Output : 15 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1180 rpm
Slip : 1.67 %
Voltage : 208-230/460 V
Rated current : 38.7-35.0/17.5 A
Locked rotor current : 252/126 A
Locked rotor current (I_L/I_n) : 7.2
No-load current : 14.0/7.00 A
Full load torque : 65.9 lb.ft
Locked rotor torque : 250 %
Breakdown torque : 260 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 25 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 463 lb
Moment of inertia : 7.0742 sq.ft.lb
Noise level : 59 dB(A)

| | D.E. | N.D.E. |
|---------------------|-------------|-------------|
| Bearings | 6311 2RS-C3 | 6211 2RS-C3 |
| Regreasing interval | --- | --- |
| Grease amount | --- | --- |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.86 | 91.7 |
| 75% | 0.83 | 91.7 |
| 50% | 0.74 | 91.0 |

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #01512XT3E284T

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