



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Fire Pump Motors - ODP Three Phase - Foot Mount and Flange Mount

Frame : 284TS
Output : 25 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1765 rpm
Slip : 1.94 %
Voltage : 200/400 V
Rated current : 69.2/34.6 A
Locked rotor current : 415/208 A
Locked rotor current (I_L/I_n) : 6.0
No-load current : 26.5/13.2 A
Full load torque : 73.4 lb.ft
Locked rotor torque : 220 %
Breakdown torque : 250 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 13 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP23
Approximate weight : 324 lb
Moment of inertia : 2.7672 sq.ft.lb
Noise level : 62 dB(A)

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

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.84 | 91.7 |
| 75% | 0.79 | 91.7 |
| 50% | 0.70 | 91.0 |

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #02518OP3VFP284TS

Performed by

Checked