



# 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 : 30 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3540 rpm  
 Slip : 1.67 %  
 Voltage : 575 V  
 Rated current : 27.6 A  
 Locked rotor current : 171 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.2  
 No-load current : 7.28 A  
 Full load torque : 43.9 lb.ft  
 Locked rotor torque : 200 %  
 Breakdown torque : 270 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 12 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP23  
 Approximate weight : 321 lb  
 Moment of inertia : 1.6836 sq.ft.lb  
 Noise level : 72 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% | 0.88         | 91.0           |
| 75%  | 0.86         | 91.0           |
| 50%  | 0.80         | 91.0           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #03036OP3HFP284TS

Performed by

Checked