



# 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 : 286TS  
 Output : 40 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3535 rpm  
 Slip : 1.81 %  
 Voltage : 200/400 V  
 Rated current : 106/53.0 A  
 Locked rotor current : 626/313 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.9  
 No-load current : 27.1/13.6 A  
 Full load torque : 58.6 lb.ft  
 Locked rotor torque : 190 %  
 Breakdown torque : 260 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 16 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP23  
 Approximate weight : 359 lb  
 Moment of inertia : 2.1552 sq.ft.lb  
 Noise level : 73 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% | 0.89         | 91.7           |
| 75%  | 0.87         | 91.7           |
| 50%  | 0.81         | 91.7           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #04036OP3VFP286TS

Performed by

Checked