



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

## DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :  
 Product line : Fire Pump: Three Phase - W01 (Rolled Steel) - ODP - High Efficiency

Frame : 254/6T  
 Output : 25 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3530 rpm  
 Slip : 1.94 %  
 Voltage : 208-230/460 V  
 Rated current : 64.1-58.0/29.0 A  
 Locked rotor current : 360/180 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.2  
 No-load current : 22.4/11.2 A  
 Full load torque : 36.7 lb.ft  
 Locked rotor torque : 180 %  
 Breakdown torque : 280 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 9 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : ODP  
 Approximate weight : 169 lb  
 Moment of inertia : 0.87184 sq.ft.lb  
 Noise level : 70 dB(A)

|                     | D.E.      | N.D.E.    |
|---------------------|-----------|-----------|
| Bearings            | 6309 Z-C3 | 6208 Z-C3 |
| Regreasing interval | 20000 h   | 20000 h   |
| Grease amount       | 13 g      | 8 g       |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.88         | 91.0           |
| 75%  | 0.84         | 91.0           |
| 50%  | 0.75         | 90.2           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #02536OP3EFP256T-S

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