



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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

Customer :  
 Product line : Close Coupled Pump: Three-Phase - W22 "JM" Type - TEFC - NEMA Premium

Frame : 254/6JM  
 Output : 20 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3520 rpm  
 Slip : 2.22 %  
 Voltage : 575 V  
 Rated current : 18.6 A  
 Locked rotor current : 113 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.1  
 No-load current : 5.20 A  
 Full load torque : 29.4 lb.ft  
 Locked rotor torque : 200 %  
 Breakdown torque : 240 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 21 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 269 lb  
 Moment of inertia : 1.5356 sq.ft.lb  
 Noise level : 72 dB(A)

|                     | D.E.    | N.D.E.  | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings            | 6309 C3 | 6209 C3 | 100% | 0.89         | 91.0           |
| Regreasing interval | 19000 h | 20000 h | 75%  | 0.87         | 91.7           |
| Grease amount       | 13 g    | 9 g     | 50%  | 0.82         | 91.0           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #02036ET3H256JM-W22

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