



# 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 - High Efficiency

Frame : 254/6JM  
 Output : 25 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3515 rpm  
 Slip : 2.36 %  
 Voltage : 208-230/460 V  
 Rated current : 62.8-56.8/28.4 A  
 Locked rotor current : 352/176 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.2  
 No-load current : 16.0/8.00 A  
 Full load torque : 36.8 lb.ft  
 Locked rotor torque : 200 %  
 Breakdown torque : 230 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 11 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 273 lb  
 Moment of inertia : 1.5358 sq.ft.lb  
 Noise level : 72 dB(A)

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6309 C3 | 6209 C3 |
| Regreasing interval | 19000 h | 20000 h |
| Grease amount       | 13 g    | 9 g     |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.90         | 91.0           |
| 75%  | 0.87         | 91.0           |
| 50%  | 0.81         | 91.0           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #02536EP3E256JM-W22

Performed by

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