



# 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 "JP" Type - TEFC - High Efficiency

Frame : 324JP  
 Output : 40 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3550 rpm  
 Slip : 1.39 %  
 Voltage : 230/460 V  
 Rated current : 92.2/46.1 A  
 Locked rotor current : 553/277 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.0  
 No-load current : 24.0/12.0 A  
 Full load torque : 58.4 lb.ft  
 Locked rotor torque : 210 %  
 Breakdown torque : 230 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 22 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 516 lb  
 Moment of inertia : 4.8955 sq.ft.lb  
 Noise level : 76 dB(A)

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6312 C3 | 6212 C3 |
| Regreasing interval | 12000 h | 15000 h |
| Grease amount       | 21 g    | 13 g    |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.89         | 91.7           |
| 75%  | 0.88         | 91.7           |
| 50%  | 0.83         | 91.0           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #04036EP3E324JP-W22

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