



# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

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

Customer :  
 Product line : W22 Brake Motor - NEMA Premium Efficiency

Frame : 213/5T  
 Output : 7.5 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1765 rpm  
 Slip : 1.94 %  
 Voltage : 208-230/460 V  
 Rated current : 19.9-18.4/9.18 A  
 Locked rotor current : 130/65.2 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.1  
 No-load current : 8.10/4.05 A  
 Full load torque : 22.0 lb.ft  
 Locked rotor torque : 220 %  
 Breakdown torque : 310 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 20 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 174 lb  
 Moment of inertia : 1.3436 sq.ft.lb  
 Noise level : 58 dB(A)

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6308 ZZ | 6207 ZZ |
| Regreasing interval | ---     | ---     |
| Grease amount       | ---     | ---     |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.82         | 91.7           |
| 75%  | 0.76         | 91.0           |
| 50%  | 0.66         | 89.5           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00718ET3EBM213T-W22

Performed by

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