



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Frame : 213T
 Output : 7.5 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1765 rpm
 Slip : 1.94 %
 Voltage : 460 V
 Rated current : 9.18 A
 Locked rotor current : 65.2 A
 Locked rotor current (I_L/I_n) : 7.1
 No-load current : 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 : 154 lb
 Moment of inertia : 1.3434 sq.ft.lb
 Noise level : 58 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6308 C3 | 6207 C3 |
| Regreasing interval | 20000 h | 20000 h |
| Grease amount | 11 g | 7 g |

| 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 #00718ST3QUIER213TC-W22

Performed by

Checked