



Dealers Industrial Equipment

No.:

Date: 12-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 : 143/5T
 Output : 1 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1760 rpm
 Slip : 2.22 %
 Voltage : 460 V
 Rated current : 1.47 A
 Locked rotor current : 12.3 A
 Locked rotor current (I_L/I_n) : 8.4
 No-load current : 0.940 A
 Full load torque : 2.94 lb.ft
 Locked rotor torque : 320 %
 Breakdown torque : 350 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 18 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 41 lb
 Moment of inertia : 0.11723 sq.ft.lb
 Noise level : 51 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6205 C3 | 6204 C3 |
| Regreasing interval | 20000 h | 20000 h |
| Grease amount | 4 g | 4 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.75 | 85.5 |
| 75% | 0.68 | 84.0 |
| 50% | 0.55 | 80.0 |

Notes:

Downloaded from <http://dealerselectric.com>
 Generated for Model #00118ST3QIE143T-W22

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