



Dealers Industrial Equipment

No.:

Date: 27-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 : 444/5T
 Output : 100 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1185 rpm
 Slip : 1.25 %
 Voltage : 575 V
 Rated current : 96.8 A
 Locked rotor current : 571 A
 Locked rotor current (I_L/I_n) : 5.9
 No-load current : 33.6 A
 Full load torque : 437 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 230 %
 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 : 1577 lb
 Moment of inertia : 87.260 sq.ft.lb
 Noise level : 69 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings | 6319 C3 | 6316 C3 | 100% | 0.82 | 95.0 |
| Regreasing interval | 13000 h | 16000 h | 75% | 0.78 | 95.0 |
| Grease amount | 45 g | 34 g | 50% | 0.68 | 94.5 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #10012ST3HIE444T-W22

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