



Dealers Industrial Equipment

No.:

Date: 23-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 : 324/6T
 Output : 50 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1775 rpm
 Slip : 1.39 %
 Voltage : 460 V
 Rated current : 59.2 A
 Locked rotor current : 367 A
 Locked rotor current (I_L/I_n) : 6.2
 No-load current : 25.0 A
 Full load torque : 146 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 270 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 15 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 536 lb
 Moment of inertia : 9.1624 sq.ft.lb
 Noise level : 66 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings | 6312 C3 | 6212 C3 | 100% | 0.83 | 94.5 |
| Regreasing interval | 20000 h | 20000 h | 75% | 0.77 | 94.1 |
| Grease amount | 21 g | 13 g | 50% | 0.66 | 93.0 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #05018ST3QIE326TC-W22

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