



Dealers Industrial Equipment

No.:

Date: 28-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 : L447/9T
 Output : 200 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 890 rpm
 Slip : 1.11 %
 Voltage : 460 V
 Rated current : 242 A
 Locked rotor current : 1480 A
 Locked rotor current (I_L/I_n) : 6.1
 No-load current : 90.0 A
 Full load torque : 1164 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 220 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 25 s (hot)
 Service factor : 1.00
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 3550 lb
 Moment of inertia : 255.24 sq.ft.lb
 Noise level : 64 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6322 C3 | 6319 C3 |
| Regreasing interval | 20000 h | 20000 h |
| Grease amount | 60 g | 45 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.82 | 95.0 |
| 75% | 0.79 | 95.0 |
| 50% | 0.70 | 94.6 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #20009ST3QIE449T-W22

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