



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : W22 Super Premium

Frame : 404/5T
 Output : 100 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1780 rpm
 Slip : 1.11 %
 Voltage : 208-230/460 V
 Rated current : 257-232/116 A
 Locked rotor current : 2040/1020 A
 Locked rotor current (I_L/I_n) : 8.8
 No-load current : 94.0/47.0 A
 Full load torque : 291 lb.ft
 Locked rotor torque : 270 %
 Breakdown torque : 310 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 12 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 1188 lb
 Moment of inertia : 28.716 sq.ft.lb
 Noise level : 68 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6316 C3 | 6314 C3 |
| Regreasing interval | 10000 h | 12000 h |
| Grease amount | 34 g | 27 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.84 | 96.2 |
| 75% | 0.80 | 95.8 |
| 50% | 0.70 | 95.4 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #10018EG3E405T-W22

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