



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : W01 (Rolled Steel) General Purpose ODP

Frame : 254/6T
 Output : 20 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3525 rpm
 Slip : 2.08 %
 Voltage : 208-230/460 V
 Rated current : 52.6-47.6/23.8 A
 Locked rotor current : 286/143 A
 Locked rotor current (I_L/I_n) : 6.0
 No-load current : 17.0/8.50 A
 Full load torque : 29.4 lb.ft
 Locked rotor torque : 180 %
 Breakdown torque : 240 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 13 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : ODP
 Approximate weight : 151 lb
 Moment of inertia : 0.78475 sq.ft.lb
 Noise level : 70 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|-----------|-----------|------|--------------|----------------|
| Bearings | 6309 Z-C3 | 6208 Z-C3 | 100% | 0.87 | 91.0 |
| Regreasing interval | 20000 h | 20000 h | 75% | 0.83 | 91.0 |
| Grease amount | 13 g | 8 g | 50% | 0.76 | 90.2 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #02036OT3E254T-SG

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