



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three Phase: W01 (Rolled Steel) - ODP - NEMA Premium Efficiency

Frame : 254/6T
 Output : 7.5 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1175 rpm
 Slip : 2.08 %
 Voltage : 208-230/460 V
 Rated current : 22.5-20.4/10.2 A
 Locked rotor current : 104/52.0 A
 Locked rotor current (I_L/I_n) : 5.1
 No-load current : 10.7/5.37 A
 Full load torque : 33.1 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 230 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 37 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : ODP
 Approximate weight : 187 lb
 Moment of inertia : 1.9990 sq.ft.lb
 Noise level : 59 dB(A)

| | D.E. | N.D.E. |
|---------------------|-----------|-----------|
| Bearings | 6309 Z-C3 | 6208 Z-C3 |
| Regreasing interval | 20000 h | 20000 h |
| Grease amount | 13 g | 8 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.75 | 90.2 |
| 75% | 0.68 | 90.2 |
| 50% | 0.56 | 88.5 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00712OT3E254T-S

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