



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase : Rolled Steel Motor - NEMA Premium Efficiency

Frame : 254T
 Output : 7.5 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1170 rpm
 Slip : 2.50 %
 Voltage : 208-230/460 V
 Rated current : 21.5-19.5/9.73 A
 Locked rotor current : 136/68.1 A
 Locked rotor current (I_L/I_n) : 7.0
 No-load current : 10.5/5.25 A
 Full load torque : 33.2 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 310 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 26 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 232 lb
 Moment of inertia : 3.9197 sq.ft.lb
 Noise level : ---

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6309 ZZ | 6209 ZZ |
| Regreasing interval | --- | --- |
| Grease amount | --- | --- |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.78 | 91.0 |
| 75% | 0.71 | 91.0 |
| 50% | 0.58 | 89.5 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00712ET3ERS254T

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