



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 145T
 Output : 2 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3495 rpm
 Slip : 2.92 %
 Voltage : 208-230/460 V
 Rated current : 5.95-5.38/2.69 A
 Locked rotor current : 50.6/25.3 A
 Locked rotor current (I_L/I_n) : 9.4
 No-load current : 2.60/1.30 A
 Full load torque : 2.96 lb.ft
 Locked rotor torque : 350 %
 Breakdown torque : 400 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 15 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 66 lb
 Moment of inertia : 0.05505 sq.ft.lb
 Noise level : 68 dB(A)

| | D.E. | N.D.E. |
|---------------------|----------|----------|
| Bearings | 6205 2RS | 6204 2RS |
| Regreasing interval | --- | --- |
| Grease amount | --- | --- |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.82 | 85.5 |
| 75% | 0.76 | 84.0 |
| 50% | 0.64 | 80.0 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00236XT3E145T

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