



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase : Explosion Proof - High Efficiency

Frame : 143T
 Output : 1 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1765 rpm
 Slip : 1.94 %
 Voltage : 208-230/460 V
 Rated current : 3.29-2.98/1.49 A
 Locked rotor current : 25.6/12.8 A
 Locked rotor current (I_L/I_n) : 8.6
 No-load current : 1.87/0.935 A
 Full load torque : 2.94 lb.ft
 Locked rotor torque : 290 %
 Breakdown torque : 400 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 16 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP54
 Approximate weight : 62 lb
 Moment of inertia : 0.09302 sq.ft.lb
 Noise level : 51 dB(A)

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

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.77 | 82.5 |
| 75% | 0.69 | 80.0 |
| 50% | 0.55 | 77.0 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00118XP3ER143TC

Performed by

Checked