



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase : NEMA 56 Frames - TEFC

Frame : D56
 Output : 1 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1750 rpm
 Slip : 2.78 %
 Voltage : 208-230/460 V
 Rated current : 3.25-3.10/1.55 A
 Locked rotor current : 25.7/12.9 A
 Locked rotor current (I_L/I_n) : 8.3
 No-load current : 2.00/1.00 A
 Full load torque : 2.96 lb.ft
 Locked rotor torque : 300 %
 Breakdown torque : 380 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 10 s (hot)
 Service factor : 1.15 (1.00 at 208V)
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 35 lb
 Moment of inertia : 0.14191 sq.ft.lb
 Noise level : ---

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6204 ZZ | 6202 ZZ |
| Regreasing interval | --- | --- |
| Grease amount | --- | --- |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.75 | 80.5 |
| 75% | 0.68 | 79.0 |
| 50% | 0.54 | 74.0 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00118ES3ED56

Performed by

Checked