



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - High Efficiency - Vertical Motors

Frame : E143/5JM
 Output : 2 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1730 rpm
 Slip : 3.89 %
 Voltage : 230/460 V
 Rated current : 5.80/2.90 A
 Locked rotor current : 45.2/22.6 A
 Locked rotor current (I_L/I_n) : 7.8
 No-load current : 3.60/1.80 A
 Full load torque : 5.99 lb.ft
 Locked rotor torque : 340 %
 Breakdown torque : 320 %
 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 : IP21
 Approximate weight : 44 lb
 Moment of inertia : 0.16018 sq.ft.lb
 Noise level : ---

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings | 6206 ZZ | 6204 ZZ | 100% | 0.78 | 84.0 |
| Regreasing interval | --- | --- | 75% | 0.70 | 84.0 |
| Grease amount | --- | --- | 50% | 0.58 | 82.5 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00218OP3E145JMV

Performed by

Checked