



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Single-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Close Coupled Pump : Single-Phase - "JM" Type - TEFC - Standard Efficiency

Frame : 143JM
 Output : 0.5 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3530 rpm
 Slip : 1.94 %
 Voltage : 208-230/460 V
 Rated current : 3.80/1.90 A
 Locked rotor current : 26.6/13.3 A
 Locked rotor current (I_L/I_n) : 7.0
 No-load current : 2.60/1.30 A
 Full load torque : 0.734 lb.ft
 Locked rotor torque : 270 %
 Breakdown torque : 240 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 6 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 42 lb
 Moment of inertia : 0.02373 sq.ft.lb
 Noise level : 60 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6206 ZZ | 6203 ZZ |
| Regreasing interval | --- | --- |
| Grease amount | --- | --- |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.71 | 60.0 |
| 75% | 0.65 | 56.0 |
| 50% | 0.56 | 50.0 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #.5036ES1E143JM

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