



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 : 1.5 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3530 rpm
Slip : 1.94 %
Voltage : 208-230/460 V
Rated current : 7.80-7.80/3.90 A
Locked rotor current : 58.5/29.3 A
Locked rotor current (I_L/I_n) : 7.5
No-load current : 4.40/2.20 A
Full load torque : 2.20 lb.ft
Locked rotor torque : 220 %
Breakdown torque : 270 %
Design : ---
Insulation class : B
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 : 51 lb
Moment of inertia : 0.04699 sq.ft.lb
Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.81	73.0
75%	0.76	72.0
50%	0.66	65.0

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #00156ES1E143JM

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