



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 - W01 (Rolled Steel) "JM" Type - TEFC - High Efficiency

Frame : 143/5JM
 Output : 1.5 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1760 rpm
 Slip : 2.22 %
 Voltage : 575 V
 Rated current : 1.73 A
 Locked rotor current : 13.5 A
 Locked rotor current (I_L/I_n) : 7.8
 No-load current : 1.10 A
 Full load torque : 4.42 lb.ft
 Locked rotor torque : 270 %
 Breakdown torque : 340 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 13 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 38 lb
 Moment of inertia : 0.12316 sq.ft.lb
 Noise level : 52 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6206 ZZ	6203 ZZ	100%	0.76	84.0
Regreasing interval	---	---	75%	0.67	84.0
Grease amount	---	---	50%	0.53	81.5

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00158EP3H145JM-S

Performed by

Checked