



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 - NEMA Premium Efficiency

Frame : 143/5JM
 Output : 2 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1745 rpm
 Slip : 3.06 %
 Voltage : 208-230/460 V
 Rated current : 6.02-5.44/2.72 A
 Locked rotor current : 44.6/22.3 A
 Locked rotor current (I_L/I_n) : 8.2
 No-load current : 2.80/1.40 A
 Full load torque : 5.94 lb.ft
 Locked rotor torque : 270 %
 Breakdown torque : 300 %
 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 : IP55
 Approximate weight : 42 lb
 Moment of inertia : 0.12957 sq.ft.lb
 Noise level : 52 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6206 ZZ	6203 ZZ	100%	0.80	86.5
Regreasing interval	---	---	75%	0.73	87.5
Grease amount	---	---	50%	0.60	85.5

Notes:
 Downloaded from <http://dealerselectric.com>
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