



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 - W22 "JM" Type - TEFC - NEMA Premium

Frame : 143/5JM
 Output : 3 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3460 rpm
 Slip : 3.89 %
 Voltage : 208-230/460 V
 Rated current : 8.20-7.42/3.71 A
 Locked rotor current : 60.1/30.1 A
 Locked rotor current (I_L/I_n) : 8.1
 No-load current : 3.08/1.54 A
 Full load torque : 4.49 lb.ft
 Locked rotor torque : 330 %
 Breakdown torque : 360 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 14 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 52 lb
 Moment of inertia : 0.06051 sq.ft.lb
 Noise level : 68 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6206 ZZ	6204 ZZ	100%	0.86	86.5
Regreasing interval	---	---	75%	0.81	86.5
Grease amount	---	---	50%	0.70	85.5

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