



Dealers Industrial Equipment

No.:

Date: 13-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 : 182/4JM
 Output : 5 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1750 rpm
 Slip : 2.78 %
 Voltage : 208-230/460 V
 Rated current : 14.5-13.1/6.55 A
 Locked rotor current : 94.3/47.2 A
 Locked rotor current (I_L/I_n) : 7.2
 No-load current : 6.93/3.47 A
 Full load torque : 14.8 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 300 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 8 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 77 lb
 Moment of inertia : 0.36948 sq.ft.lb
 Noise level : 56 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6207 ZZ	6205 ZZ	100%	0.81	87.5
Regreasing interval	---	---	75%	0.74	87.5
Grease amount	---	---	50%	0.61	86.5

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