



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase : Rolled Steel Motor - High Efficiency

Frame : W182/4T
 Output : 5 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3480 rpm
 Slip : 3.33 %
 Voltage : 230/460 V
 Rated current : 12.2/6.10 A
 Locked rotor current : 106/53.1 A
 Locked rotor current (I_L/I_n) : 8.7
 No-load current : 4.80/2.40 A
 Full load torque : 7.44 lb.ft
 Locked rotor torque : 300 %
 Breakdown torque : 330 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 12 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 60 lb
 Moment of inertia : 0.17299 sq.ft.lb
 Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6206 ZZ	6205 ZZ	100%	0.87	87.5
Regreasing interval	---	---	75%	0.81	87.5
Grease amount	---	---	50%	0.71	86.5

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