



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase: W01 (Rolled Steel) - TEFC - Premium Efficiency (DOE)

Frame : 56H
 Output : 3 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3500 rpm
 Slip : 2.78 %
 Voltage : 208-230/460 V
 Rated current : 7.76-7.02/3.51 A
 Locked rotor current : 66.7/33.3 A
 Locked rotor current (I_L/I_n) : 9.5
 No-load current : 2.56/1.28 A
 Full load torque : 4.44 lb.ft
 Locked rotor torque : 300 %
 Breakdown torque : 380 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 10 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 48 lb
 Moment of inertia : 0.16635 sq.ft.lb
 Noise level : 68 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6204 ZZ	6202 ZZ	100%	0.91	86.5
Regreasing interval	---	---	75%	0.87	86.5
Grease amount	---	---	50%	0.78	84.0

Notes:
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