



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET

Single-phase induction motor - Squirrel cage rotor

Customer :
Product line : Single Phase: W01 (Rolled Steel) - TEFC - Standard Efficiency

Frame : 56
Output : 1 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3500 rpm
Slip : 2.78 %
Voltage : 115/208-230 V
Rated current : 10.2/5.64-5.10 A
Locked rotor current : 85.7/42.8 A
Locked rotor current (I_L/I_n) : 8.4
No-load current : 4.80/2.40 A
Full load torque : 1.48 lb.ft
Locked rotor torque : 280 %
Breakdown torque : 280 %
Design : ---
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 : 29 lb
Moment of inertia : 0.04722 sq.ft.lb
Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6204 ZZ	6202 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.92	70.0
75%	0.88	64.0
50%	0.82	55.0

Notes:

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