



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Single-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Single-Phase : NEMA 56 TEFC - With Manual Overload Protection

Frame : D56
 Output : 1 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3500 rpm
 Slip : 2.78 %
 Voltage : 115/208-230 V
 Rated current : 12.8/6.40-6.40 A
 Locked rotor current : 89.6/44.8 A
 Locked rotor current (I_L/I_n) : 7.0
 No-load current : 9.00/4.50 A
 Full load torque : 1.48 lb.ft
 Locked rotor torque : 320 %
 Breakdown torque : 280 %
 Design : ---
 Insulation class : B
 Temperature rise : 80 K
 Locked rotor time : 6 s (hot)
 Service factor : 1.15 (1.00 at 208V)
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 32 lb
 Moment of inertia : 0.05149 sq.ft.lb
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.75	67.0
75%	0.67	63.0
50%	0.56	55.0

Notes:
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