



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

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.	Load	Power factor	Efficiency (%)
Bearings	6204 ZZ	6202 ZZ	100%	0.75	67.0
Regreasing interval	---	---	75%	0.67	63.0
Grease amount	---	---	50%	0.56	55.0

Notes:
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