



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 : 1.5 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3480 rpm
Slip : 3.33 %
Voltage : 115/208-230 V
Rated current : 17.1/8.80-8.55 A
Locked rotor current : 116/58.1 A
Locked rotor current (I_L/I_n) : 6.8
No-load current : 10.8/5.40 A
Full load torque : 2.23 lb.ft
Locked rotor torque : 250 %
Breakdown torque : 250 %
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 : 35 lb
Moment of inertia : 0.05933 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6204 ZZ	6202 ZZ	100%	0.80	70.0
Regreasing interval	---	---	75%	0.72	69.0
Grease amount	---	---	50%	0.61	62.0

Notes:

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