



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase : NEMA 56 Frames - TEFC

Frame : B56
Output : 1 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3470 rpm
Slip : 3.61 %
Voltage : 208-230/460 V
Rated current : 3.00-2.90/1.45 A
Locked rotor current : 25.5/12.8 A
Locked rotor current (I_L/I_n) : 8.8
No-load current : 1.60/0.800 A
Full load torque : 1.49 lb.ft
Locked rotor torque : 410 %
Breakdown torque : 370 %
Design : A
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 10 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 : 29 lb
Moment of inertia : 0.04319 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.
Bearings	6203 ZZ	6202 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.83	77.5
75%	0.77	75.0
50%	0.66	70.0

Notes:
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