



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 : 0.5 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1750 rpm
 Slip : 2.78 %
 Voltage : 208-230/460 V
 Rated current : 1.65-1.60/0.800 A
 Locked rotor current : 12.3/6.16 A
 Locked rotor current (I_L/I_n) : 7.7
 No-load current : 1.00/0.500 A
 Full load torque : 1.48 lb.ft
 Locked rotor torque : 280 %
 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 : 0.10655 sq.ft.lb
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.74	77.0
75%	0.65	75.5
50%	0.53	70.5

Notes:
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