



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 : F56H
Output : 3 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3450 rpm
Slip : 4.17 %
Voltage : 208-230/460 V
Rated current : 8.25-7.60/3.80 A
Locked rotor current : 73.0/36.5 A
Locked rotor current (I_L/I_n) : 9.6
No-load current : 3.20/1.60 A
Full load torque : 4.51 lb.ft
Locked rotor torque : 430 %
Breakdown torque : 380 %
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 : 43 lb
Moment of inertia : 0.08638 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.
Bearings	6204 ZZ	6203 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.89	84.0
75%	0.84	84.0
50%	0.74	82.0

Notes:
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