



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 : 2 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1740 rpm
Slip : 3.33 %
Voltage : 208-230/460 V
Rated current : 6.15-5.80/2.90 A
Locked rotor current : 49.9/24.9 A
Locked rotor current (I_L/I_n) : 8.6
No-load current : 3.40/1.70 A
Full load torque : 5.96 lb.ft
Locked rotor torque : 300 %
Breakdown torque : 320 %
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 : 45 lb
Moment of inertia : 0.20408 sq.ft.lb
Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.79	82.0
75%	0.71	81.0
50%	0.59	77.5

Notes:
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