



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

Frame : G143/5T
Output : 1.5 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1750 rpm
Slip : 2.78 %
Voltage : 115/208-230 V
Rated current : 17.4/8.70-8.70 A
Locked rotor current : 113/56.6 A
Locked rotor current (I_L/I_n) : 6.5
No-load current : 11.8/5.90 A
Full load torque : 4.44 lb.ft
Locked rotor torque : 280 %
Breakdown torque : 260 %
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 : 47 lb
Moment of inertia : 0.19554 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.
Bearings	6205 ZZ	6203 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.72	76.5
75%	0.64	75.0
50%	0.52	70.0

Notes:
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