



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Single-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Single-Phase : NEMA 48 & 56 ODP - Start Capacitor

Frame : D56
 Output : 1.5 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3500 rpm
 Slip : 2.78 %
 Voltage : 115/208-230 V
 Rated current : 17.8/9.10-8.90 A
 Locked rotor current : 119/59.6 A
 Locked rotor current (I_L/I_n) : 6.7
 No-load current : 10.7/5.35 A
 Full load torque : 2.22 lb.ft
 Locked rotor torque : 250 %
 Breakdown torque : 240 %
 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 : IP21
 Approximate weight : 34 lb
 Moment of inertia : 0.04983 sq.ft.lb
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.77	70.0
75%	0.69	67.5
50%	0.58	61.5

Notes:
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