



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Single-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Jet Pump - NEMA 56 : Single-Phase - Threaded - ODP (IP21)

Frame : E56
 Output : 1.5 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3480 rpm
 Slip : 3.33 %
 Voltage : 115/208-230 V
 Rated current : 16.4/8.50-8.20 A
 Locked rotor current : 113/56.6 A
 Locked rotor current (I_L/I_n) : 6.9
 No-load current : 9.40/4.70 A
 Full load torque : 2.23 lb.ft
 Locked rotor torque : 300 %
 Breakdown torque : 240 %
 Design : ---
 Insulation class : B
 Temperature rise : 80 K
 Locked rotor time : 6 s (hot)
 Service factor : 1.30 (1.00 at 208V)
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP21
 Approximate weight : 36 lb
 Moment of inertia : 0.04153 sq.ft.lb
 Noise level : ---

	D.E.	N.D.E.
Bearings	6203 2RS	6203 2RS
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.80	73.2
75%	0.72	72.6
50%	0.62	67.4

Notes:
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