



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Jet Pump - NEMA 56 : Three-Phase - Keyed - TEFC (IP55)

Frame : F56HC
 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 2RS	6203 2RS
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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