



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase : Rolled Steel Motor - NEMA Premium Efficiency

Frame : 143/5T
 Output : 1.5 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1750 rpm
 Slip : 2.78 %
 Voltage : 208-230/460 V
 Rated current : 4.50-4.50/2.25 A
 Locked rotor current : 38.7/19.4 A
 Locked rotor current (I_L/I_n) : 8.6
 No-load current : 2.90/1.45 A
 Full load torque : 4.44 lb.ft
 Locked rotor torque : 420 %
 Breakdown torque : 440 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 15 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 : 35 lb
 Moment of inertia : 0.13313 sq.ft.lb
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.73	86.5
75%	0.64	84.0
50%	0.51	80.0

Notes:
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