



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three Phase: W01 (Rolled Steel) - TEFC - NEMA Premium Efficiency

Frame : 143/5T
Output : 1.5 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3520 rpm
Slip : 2.22 %
Voltage : 208-230/460 V
Rated current : 4.14-3.74/1.87 A
Locked rotor current : 34.0/17.0 A
Locked rotor current (I_L/I_n) : 9.1
No-load current : 1.72/0.859 A
Full load torque : 2.21 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 300 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 17 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 34 lb
Moment of inertia : 0.10228 sq.ft.lb
Noise level : 68 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.88	84.0
75%	0.82	82.5
50%	0.71	80.0

Notes:
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