



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Single-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Farm Duty Motors : TEFC (IP55) - Single-Phase

Frame : F143T
 Output : 1 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1750 rpm
 Slip : 2.78 %
 Voltage : 115/230 V
 Rated current : 14.0/7.00 A
 Locked rotor current : 91.0/45.5 A
 Locked rotor current (I_L/I_n) : 6.5
 No-load current : 11.5/5.75 A
 Full load torque : 2.96 lb.ft
 Locked rotor torque : 320 %
 Breakdown torque : 270 %
 Design : ---
 Insulation class : B
 Temperature rise : 80 K
 Locked rotor time : 6 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 37 lb
 Moment of inertia : 0.13384 sq.ft.lb
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.65	70.3
75%	0.56	67.0
50%	0.45	60.0

Notes:
 Downloaded from <http://dealerselectric.com>
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