



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 : W182/4T
Output : 3 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1740 rpm
Slip : 3.33 %
Voltage : 230 V
Rated current : 14.5 A
Locked rotor current : 87.0 A
Locked rotor current (I_L/I_n) : 6.0
No-load current : 6.00 A
Full load torque : 8.93 lb.ft
Locked rotor torque : 240 %
Breakdown torque : 220 %
Design : ---
Insulation class : F
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 : 88 lb
Moment of inertia : 0.23730 sq.ft.lb
Noise level : 54 dB(A)

	D.E.	N.D.E.
Bearings	6206 ZZ	6206 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.86	81.0
75%	0.81	80.5
50%	0.73	80.0

Notes:

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