



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Single-phase induction motor - Squirrel cage rotor

Customer :
Product line : Single-Phase : W21 TEFC (IP55)

Frame : 184T
Output : 5 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3500 rpm
Slip : 2.78 %
Voltage : 208-230/460 V
Rated current : 22.5-21.0/10.5 A
Locked rotor current : 164/81.9 A
Locked rotor current (I_L/I_n) : 7.8
No-load current : 8.00/4.00 A
Full load torque : 7.40 lb.ft
Locked rotor torque : 280 %
Breakdown torque : 260 %
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 : 103 lb
Moment of inertia : 0.19055 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.
Bearings	6307 ZZ	6206 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.92	83.0
75%	0.89	82.5
50%	0.81	80.0

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