



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Single-phase induction motor - Squirrel cage rotor

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

Frame : 182T
Output : 3 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3520 rpm
Slip : 2.22 %
Voltage : 208-230/460 V
Rated current : 14.5-13.6/6.80 A
Locked rotor current : 102/51.0 A
Locked rotor current (I_L/I_n) : 7.5
No-load current : 5.00/2.50 A
Full load torque : 4.42 lb.ft
Locked rotor torque : 240 %
Breakdown torque : 280 %
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 : 90 lb
Moment of inertia : 0.15638 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6307 ZZ	6206 ZZ	100%	0.92	80.0
Regreasing interval	---	---	75%	0.90	78.0
Grease amount	---	---	50%	0.83	72.0

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