



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 : 215T
Output : 5 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1170 rpm
Slip : 2.50 %
Voltage : 208-230/460 V
Rated current : 21.5/10.8 A
Locked rotor current : 170/85.0 A
Locked rotor current (I_L/I_n) : 7.9
No-load current : 8.60/4.30 A
Full load torque : 22.1 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 240 %
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 : 171 lb
Moment of inertia : 1.9838 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6308 ZZ	6206 ZZ	100%	0.88	82.5
Regreasing interval	---	---	75%	0.86	81.0
Grease amount	---	---	50%	0.80	76.5

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #00512ES1E215T

Performed by

Checked