



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 Super Premium

Frame : 404/5TS
Output : 100 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3565 rpm
Slip : 0.97 %
Voltage : 208-230/460 V
Rated current : 245-222/111 A
Locked rotor current : 1780/888 A
Locked rotor current (I_L/I_n) : 8.0
No-load current : 64.0/32.0 A
Full load torque : 145 lb.ft
Locked rotor torque : 290 %
Breakdown torque : 320 %
Design : A
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 20 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 1180 lb
Moment of inertia : 14.346 sq.ft.lb
Noise level : 79 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	4000 h	4000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.89	95.4
75%	0.87	95.4
50%	0.81	94.5

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