



Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : W22 NEMA Premium - Ball Bearings

Frame : 586/7TS
 Output : 500 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3580 rpm
 Slip : 0.56 %
 Voltage : 460 V
 Rated current : 530 A
 Locked rotor current : 3600 A
 Locked rotor current (I_L/I_n) : 6.8
 No-load current : 100 A
 Full load torque : 724 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 240 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 39 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 4086 lb
 Moment of inertia : 142.51 sq.ft.lb
 Noise level : 84 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%	0.91	96.2
75%	0.90	96.2
50%	0.88	95.8

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