



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 : 586/7T
Output : 500 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1190 rpm
Slip : 0.83 %
Voltage : 460 V
Rated current : 603 A
Locked rotor current : 3620 A
Locked rotor current (I_L/I_n) : 6.0
No-load current : 250 A
Full load torque : 2177 lb.ft
Locked rotor torque : 220 %
Breakdown torque : 210 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 25 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 4403 lb
Moment of inertia : 367.54 sq.ft.lb
Noise level : 77 dB(A)

	D.E.	N.D.E.
Bearings	6322 C3	6319 C3
Regreasing interval	11000 h	13000 h
Grease amount	60 g	45 g

Load	Power factor	Efficiency (%)
100%	0.80	96.2
75%	0.76	96.2
50%	0.66	95.8

Notes:
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