



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 : 588/9TS
Output : 700 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3585 rpm
Slip : 0.42 %
Voltage : 460 V
Rated current : 736 A
Locked rotor current : 5300 A
Locked rotor current (I_L/I_n) : 7.2
No-load current : 155 A
Full load torque : 1012 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 250 %
Design : B
Insulation class : F
Temperature rise : 105 K
Locked rotor time : 34 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 4805 lb
Moment of inertia : 183.20 sq.ft.lb
Noise level : 89 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	96.6
75%	0.90	96.6
50%	0.86	96.2

Notes:
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