



Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase : Explosion Proof - High Efficiency

Frame : 586/7T
Output : 300 HP
Frequency : 60 Hz
Poles : 8
Full load speed : 890 rpm
Slip : 1.11 %
Voltage : 460 V
Rated current : 368 A
Locked rotor current : 2170 A
Locked rotor current (I_L/I_n) : 5.9
No-load current : 131 A
Full load torque : 1746 lb.ft
Locked rotor torque : 100 %
Breakdown torque : 200 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 25 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP54
Approximate weight : 4818 lb
Moment of inertia : 461.99 sq.ft.lb
Noise level : 75 dB(A)

	D.E.	N.D.E.
Bearings	6322 C3	6319 C3
Regreasing interval	11801 h	14016 h
Grease amount	60 g	45 g

Load	Power factor	Efficiency (%)
100%	0.79	95.0
75%	0.76	94.1
50%	0.67	93.6

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