



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 586/7T
 Output : 250 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 890 rpm
 Slip : 1.11 %
 Voltage : 460 V
 Rated current : 313 A
 Locked rotor current : 1820 A
 Locked rotor current (I_L/I_n) : 5.8
 No-load current : 110 A
 Full load torque : 1455 lb.ft
 Locked rotor torque : 120 %
 Breakdown torque : 210 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 26 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP54
 Approximate weight : 4333 lb
 Moment of inertia : 387.48 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%	0.78	95.0
75%	0.75	95.0
50%	0.64	94.5

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