



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 : 4
Full load speed : 1790 rpm
Slip : 0.56 %
Voltage : 460 V
Rated current : 329 A
Locked rotor current : 2170 A
Locked rotor current (I_L/I_n) : 6.6
No-load current : 81.0 A
Full load torque : 868 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 230 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 56 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP54
Approximate weight : 3971 lb
Moment of inertia : 162.72 sq.ft.lb
Noise level : 83 dB(A)

	D.E.	N.D.E.
Bearings	6322 C3	6319 C3
Regreasing interval	5138 h	7038 h
Grease amount	60 g	45 g

Load	Power factor	Efficiency (%)
100%	0.88	95.4
75%	0.87	95.4
50%	0.82	95.0

Notes:
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