



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 444/5T
 Output : 100 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1190 rpm
 Slip : 0.83 %
 Voltage : 460 V
 Rated current : 121 A
 Locked rotor current : 822 A
 Locked rotor current (I_L/I_n) : 6.8
 No-load current : 48.8 A
 Full load torque : 435 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 260 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 49 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 1896 lb
 Moment of inertia : 87.260 sq.ft.lb
 Noise level : 70 dB(A)

	D.E.	N.D.E.
Bearings	6219 C3	6316 C3
Regreasing interval	12202 h	12823 h
Grease amount	27 g	34 g

Load	Power factor	Efficiency (%)
100%	0.82	95.0
75%	0.76	95.0
50%	0.66	94.1

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