



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 444/5T
 Output : 125 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1785 rpm
 Slip : 0.83 %
 Voltage : 208-230/460 V
 Rated current : 314-284/142 A
 Locked rotor current : 1820/909 A
 Locked rotor current (I_L/I_n) : 6.4
 No-load current : 92.5/46.3 A
 Full load torque : 363 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 220 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 18 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 2026 lb
 Moment of inertia : 57.163 sq.ft.lb
 Noise level : 76 dB(A)

	D.E.	N.D.E.
Bearings	6219 C3	6316 C3
Regreasing interval	8033 h	8569 h
Grease amount	27 g	34 g

Load	Power factor	Efficiency (%)
100%	0.86	95.4
75%	0.83	95.4
50%	0.76	95.0

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