



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 : 75 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 890 rpm
 Slip : 1.11 %
 Voltage : 208-230/460 V
 Rated current : 204-184/92.2 A
 Locked rotor current : 1120/562 A
 Locked rotor current (I_L/I_n) : 6.1
 No-load current : 76.0/38.0 A
 Full load torque : 437 lb.ft
 Locked rotor torque : 170 %
 Breakdown torque : 210 %
 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 : 1912 lb
 Moment of inertia : 73.625 sq.ft.lb
 Noise level : 64 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6219 C3	6316 C3	100%	0.80	93.6
Regreasing interval	15247 h	15904 h	75%	0.76	94.1
Grease amount	27 g	34 g	50%	0.66	93.6

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #07509XT3E444T

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