



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 : 447TS
 Output : 200 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3570 rpm
 Slip : 0.83 %
 Voltage : 460 V
 Rated current : 221 A
 Locked rotor current : 1620 A
 Locked rotor current (I_L/I_n) : 7.3
 No-load current : 50.0 A
 Full load torque : 290 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 260 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 37 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 2492 lb
 Moment of inertia : 44.677 sq.ft.lb
 Noise level : 87 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	3604 h	3604 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.89	95.8
75%	0.88	95.4
50%	0.84	94.1

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #20036XT3G447TS

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