



Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 449TS
 Output : 350 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3575 rpm
 Slip : 0.69 %
 Voltage : 460 V
 Rated current : 379 A
 Locked rotor current : 3300 A
 Locked rotor current (I_L/I_n) : 8.7
 No-load current : 97.0 A
 Full load torque : 507 lb.ft
 Locked rotor torque : 280 %
 Breakdown torque : 340 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 14 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 3638 lb
 Moment of inertia : 68.132 sq.ft.lb
 Noise level : 84 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6314 C3	6314 C3	100%	0.90	95.8
Regreasing interval	3604 h	3604 h	75%	0.88	95.8
Grease amount	27 g	27 g	50%	0.82	95.0

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #35036XT3G449TS

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