



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 : 449T
Output : 350 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1780 rpm
Slip : 1.11 %
Voltage : 460 V
Rated current : 390 A
Locked rotor current : 3040 A
Locked rotor current (I_L/I_n) : 7.8
No-load current : 126 A
Full load torque : 1019 lb.ft
Locked rotor torque : 280 %
Breakdown torque : 290 %
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 : 3418 lb
Moment of inertia : 118.14 sq.ft.lb
Noise level : 80 dB(A)

	D.E.	N.D.E.
Bearings	6322 C3	6319 C3
Regreasing interval	5138 h	7038 h
Grease amount	60 g	45 g

Load	Power factor	Efficiency (%)
100%	0.87	96.2
75%	0.84	95.8
50%	0.76	95.4

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