



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 : 447T
Output : 150 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1185 rpm
Slip : 1.25 %
Voltage : 460 V
Rated current : 174 A
Locked rotor current : 1300 A
Locked rotor current (I_L/I_n) : 7.5
No-load current : 70.0 A
Full load torque : 656 lb.ft
Locked rotor torque : 260 %
Breakdown torque : 260 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 42 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 2540 lb
Moment of inertia : 133.62 sq.ft.lb
Noise level : 73 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6319 C3	6316 C3	100%	0.83	95.8
Regreasing interval	11094 h	12823 h	75%	0.78	95.8
Grease amount	45 g	34 g	50%	0.68	95.0

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