



Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : W40 - Open Induction Motors – NEMA Premium Efficiency

Frame : 447/9T
 Output : 300 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1185 rpm
 Slip : 1.25 %
 Voltage : 460 V
 Rated current : 357 A
 Locked rotor current : 2390 A
 Locked rotor current (I_L/I_n) : 6.7
 No-load current : 150 A
 Full load torque : 1312 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 240 %
 Design : A
 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 : IP23
 Approximate weight : 2646 lb
 Moment of inertia : 130.89 sq.ft.lb
 Noise level : 79 dB(A)

	D.E.	N.D.E.
Bearings	6319 C3	6314 C3
Regreasing interval	20000 h	20000 h
Grease amount	45 g	27 g

Load	Power factor	Efficiency (%)
100%	0.81	95.4
75%	0.77	95.8
50%	0.67	95.4

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #30012OT3G447/9T-W40

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