



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 : 447/9TS
Output : 450 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3565 rpm
Slip : 0.97 %
Voltage : 460 V
Rated current : 478 A
Locked rotor current : 3250 A
Locked rotor current (I_L/I_n) : 6.8
No-load current : 105 A
Full load torque : 654 lb.ft
Locked rotor torque : 180 %
Breakdown torque : 250 %
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 : IP23
Approximate weight : 2073 lb
Moment of inertia : 43.560 sq.ft.lb
Noise level : 87 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	14418 h	14418 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.90	96.2
75%	0.89	96.2
50%	0.84	95.8

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #45036OT3G447/9TS-W40

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