



Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : ODP – Open Induction Motors – High 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 : 480 A
 Locked rotor current : 3260 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 : 85 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	95.8
75%	0.89	95.4
50%	0.84	95.0

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #45036OP3G447/9TS

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