



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 : 550 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3565 rpm
 Slip : 0.97 %
 Voltage : 460 V
 Rated current : 580 A
 Locked rotor current : 4180 A
 Locked rotor current (I_L/I_n) : 7.2
 No-load current : 122 A
 Full load torque : 799 lb.ft
 Locked rotor torque : 200 %
 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 : 2271 lb
 Moment of inertia : 50.262 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 #55036OT3G447/9TS-W40

Performed by

Checked