



# 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 : 400 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1780 rpm  
 Slip : 1.11 %  
 Voltage : 460 V  
 Rated current : 452 A  
 Locked rotor current : 3070 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.8  
 No-load current : 140 A  
 Full load torque : 1164 lb.ft  
 Locked rotor torque : 230 %  
 Breakdown torque : 230 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 9 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP23  
 Approximate weight : 2536 lb  
 Moment of inertia : 77.614 sq.ft.lb  
 Noise level : 77 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%	0.87	95.8
75%	0.85	95.8
50%	0.78	95.8

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #40018OT3G447/9T-W40

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