



# Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

## DATA SHEET

### Three-phase induction motor - Squirrel cage rotor

Customer :  
 Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Frame : 447/9T  
 Output : 300 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1780 rpm  
 Slip : 1.11 %  
 Voltage : 460 V  
 Rated current : 330 A  
 Locked rotor current : 2150 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.5  
 No-load current : 95.0 A  
 Full load torque : 873 lb.ft  
 Locked rotor torque : 230 %  
 Breakdown torque : 230 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 16 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 2381 lb  
 Moment of inertia : 89.555 sq.ft.lb  
 Noise level : 75 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6322 C3	6319 C3	100%	0.87	96.2
Regreasing interval	6000 h	8000 h	75%	0.84	96.2
Grease amount	60 g	45 g	50%	0.77	95.8

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #30018ST3QIE449T-W22

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