



# Dealers Industrial Equipment

No.:

Date: 23-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 : 364/5T  
 Output : 30 HP  
 Frequency : 60 Hz  
 Poles : 8  
 Full load speed : 880 rpm  
 Slip : 2.22 %  
 Voltage : 460 V  
 Rated current : 37.0 A  
 Locked rotor current : 229 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.2  
 No-load current : 18.0 A  
 Full load torque : 177 lb.ft  
 Locked rotor torque : 170 %  
 Breakdown torque : 240 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 20 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 803 lb  
 Moment of inertia : 23.455 sq.ft.lb  
 Noise level : 60 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6314 C3	6314 C3	100%	0.80	92.4
Regreasing interval	20000 h	20000 h	75%	0.74	92.4
Grease amount	27 g	27 g	50%	0.63	92.4

#### Notes:

Downloaded from <http://dealerselectric.com>  
 Generated for Model #03009ST3QIE364T-W22

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