



# Dealers Industrial Equipment

No.:

Date: 27-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 : 75 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1775 rpm  
 Slip : 1.39 %  
 Voltage : 460 V  
 Rated current : 84.1 A  
 Locked rotor current : 538 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.4  
 No-load current : 30.0 A  
 Full load torque : 219 lb.ft  
 Locked rotor torque : 240 %  
 Breakdown torque : 260 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 14 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 919 lb  
 Moment of inertia : 23.251 sq.ft.lb  
 Noise level : 67 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	12000 h	12000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.86	95.4
75%	0.82	95.0
50%	0.73	94.5

#### Notes:

Downloaded from <http://dealerselectric.com>  
 Generated for Model #07518ST3QIE365T-W22

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