



# 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 : 324/6T  
 Output : 40 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1770 rpm  
 Slip : 1.67 %  
 Voltage : 460 V  
 Rated current : 47.1 A  
 Locked rotor current : 287 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.1  
 No-load current : 16.0 A  
 Full load torque : 117 lb.ft  
 Locked rotor torque : 220 %  
 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 : 492 lb  
 Moment of inertia : 9.1624 sq.ft.lb  
 Noise level : 66 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6312 C3	6212 C3	100%	0.85	94.1
Regreasing interval	20000 h	20000 h	75%	0.80	94.1
Grease amount	21 g	13 g	50%	0.72	93.6

#### Notes:

Downloaded from <http://dealerselectric.com>  
 Generated for Model #04018ST3QIE324TC-W22

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