



# Dealers Industrial Equipment

No.:

Date: 28-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 : 444/5TS  
 Output : 125 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3570 rpm  
 Slip : 0.83 %  
 Voltage : 575 V  
 Rated current : 107 A  
 Locked rotor current : 708 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.6  
 No-load current : 27.2 A  
 Full load torque : 181 lb.ft  
 Locked rotor torque : 200 %  
 Breakdown torque : 250 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 29 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 1599 lb  
 Moment of inertia : 33.508 sq.ft.lb  
 Noise level : 81 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6314 C3	6314 C3	100%	0.89	95.0
Regreasing interval	4000 h	4000 h	75%	0.87	94.5
Grease amount	27 g	27 g	50%	0.82	93.6

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #12536ST3HIE444TS-W22

Performed by

Checked