



# Dealers Industrial Equipment

No.:

Date: 13-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 : 213/5T  
 Output : 7.5 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3520 rpm  
 Slip : 2.22 %  
 Voltage : 575 V  
 Rated current : 7.01 A  
 Locked rotor current : 50.5 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.2  
 No-load current : 2.16 A  
 Full load torque : 11.0 lb.ft  
 Locked rotor torque : 210 %  
 Breakdown torque : 300 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 27 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 139 lb  
 Moment of inertia : 0.46653 sq.ft.lb  
 Noise level : 72 dB(A)

	D.E.	N.D.E.
Bearings	6308 C3	6207 C3
Regreasing interval	20000 h	20000 h
Grease amount	11 g	7 g

Load	Power factor	Efficiency (%)
100%	0.88	89.5
75%	0.84	89.5
50%	0.75	87.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00736ST3HIE213T-W22

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