



# Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

## DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :  
 Product line : Oil Well Pumping : High Slip - NEMA Design "D" - TEFC (IP55)

Frame : 444T  
 Output : 75 HP  
 Frequency : 60 Hz  
 Poles : 6  
 Full load speed : 1140 rpm  
 Slip : 5.00 %  
 Voltage : 208-230/460 V  
 Rated current : 199-185/92.5 A  
 Locked rotor current : 1020/509 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.5  
 No-load current : 60.0/30.0 A  
 Full load torque : 341 lb.ft  
 Locked rotor torque : 300 %  
 Breakdown torque : 0 %  
 Design : D  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 73 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 1586 lb  
 Moment of inertia : 73.625 sq.ft.lb  
 Noise level : 70 dB(A)

	D.E.	N.D.E.
Bearings	NU-319 C3	6316 C3
Regreasing interval	7683 h	12823 h
Grease amount	45 g	34 g

Load	Power factor	Efficiency (%)
100%	0.86	87.0
75%	0.83	86.0
50%	0.75	80.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #07512ES3EOW444T

Performed by

Checked