



# Dealers Industrial Equipment

No.:

Date: 23-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 : 286T  
 Output : 20 HP  
 Frequency : 60 Hz  
 Poles : 6  
 Full load speed : 1115 rpm  
 Slip : 7.08 %  
 Voltage : 208-230/460 V  
 Rated current : 54.4-49.2/24.6 A  
 Locked rotor current : 330/165 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.7  
 No-load current : 16.0/8.00 A  
 Full load torque : 92.9 lb.ft  
 Locked rotor torque : 320 %  
 Breakdown torque : 0 %  
 Design : D  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 14 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 467 lb  
 Moment of inertia : 7.8537 sq.ft.lb  
 Noise level : 59 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6211 C3
Regreasing interval	20000 h	20000 h
Grease amount	18 g	11 g

Load	Power factor	Efficiency (%)
100%	0.89	86.0
75%	0.85	87.0
50%	0.78	86.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #02012ES3EOW286T

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