



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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

Customer :  
Product line : W22 General Purpose TEFC

Frame : 284/6T  
Output : 20 HP  
Frequency : 60 Hz  
Poles : 6  
Full load speed : 1175 rpm  
Slip : 2.08 %  
Voltage : 208-230/460 V  
Rated current : 53.5-48.4/24.2 A  
Locked rotor current : 300/150 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.2  
No-load current : 19.0/9.50 A  
Full load torque : 88.2 lb.ft  
Locked rotor torque : 230 %  
Breakdown torque : 260 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 16 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 426 lb  
Moment of inertia : 9.1624 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%	0.85	91.7
75%	0.80	91.7
50%	0.70	91.0

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #02012ET3E286T-W22G

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