



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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

Customer :  
Product line : W22 NEMA Premium - Ball Bearings

Frame : 254/6T  
Output : 20 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1765 rpm  
Slip : 1.94 %  
Voltage : 208-230/460 V  
Rated current : 53.3-48.2/24.1 A  
Locked rotor current : 333/166 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.9  
No-load current : 20.0/10.0 A  
Full load torque : 58.7 lb.ft  
Locked rotor torque : 230 %  
Breakdown torque : 270 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 15 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 291 lb  
Moment of inertia : 3.0963 sq.ft.lb  
Noise level : 64 dB(A)

	D.E.	N.D.E.
Bearings	6309 C3	6209 C3
Regreasing interval	20000 h	20000 h
Grease amount	13 g	9 g

Load	Power factor	Efficiency (%)
100%	0.84	93.0
75%	0.79	92.4
50%	0.68	91.7

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #02018ET3E256TC-W22

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