



# Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

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

Customer :  
Product line : W22 NEMA Premium - Ball Bearings

Frame : 404/5T  
Output : 60 HP  
Frequency : 60 Hz  
Poles : 8  
Full load speed : 880 rpm  
Slip : 2.22 %  
Voltage : 208-230/460 V  
Rated current : 161-146/73.0 A  
Locked rotor current : 949/475 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.5  
No-load current : 60.0/30.0 A  
Full load torque : 353 lb.ft  
Locked rotor torque : 180 %  
Breakdown torque : 270 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 13 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 1111 lb  
Moment of inertia : 40.209 sq.ft.lb  
Noise level : 60 dB(A)

	D.E.	N.D.E.
Bearings	6316 C3	6314 C3
Regreasing interval	20000 h	20000 h
Grease amount	34 g	27 g

Load	Power factor	Efficiency (%)
100%	0.83	93.0
75%	0.78	93.0
50%	0.68	93.0

Notes:  
Downloaded from <http://dealerselectric.com>  
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