



# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

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

Customer :  
 Product line : Three-Phase: W22 IE2 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame : 160M  
 Output : 7.5 HP  
 Frequency : 60 Hz  
 Poles : 8  
 Full load speed : 875 rpm  
 Slip : 2.78 %  
 Voltage : 460 V  
 Rated current : 11.3 A  
 Locked rotor current : 58.8 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.2  
 No-load current : 7.50 A  
 Full load torque : 44.4 lb.ft  
 Locked rotor torque : 230 %  
 Breakdown torque : 250 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 21 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 265 lb  
 Moment of inertia : 2.7268 sq.ft.lb  
 Noise level : 54 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%	0.70	87.5
75%	0.62	87.5
50%	0.48	85.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00509EP3Y160M-W22

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