



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Three-Phase: W21 IE3 IEC Tru-Metric - TEFC (IP55) Multi-Mounting Aluminum Frame

Frame : 100L  
 Output : 4 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1740 rpm  
 Slip : 3.33 %  
 Voltage : 460 V  
 Rated current : 5.33 A  
 Locked rotor current : 45.8 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.6  
 No-load current : 3.20 A  
 Full load torque : 11.9 lb.ft  
 Locked rotor torque : 460 %  
 Breakdown torque : 480 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 18 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 83 lb  
 Moment of inertia : 0.28476 sq.ft.lb  
 Noise level : 54 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6206 ZZ	6205 ZZ	100%	0.79	89.5
Regreasing interval	---	---	75%	0.71	86.5
Grease amount	---	---	50%	0.59	84.0

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