



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

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

Customer :  
Product line : Three-Phase: W22 IE3 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame : 315S/M  
Output : 100 HP  
Frequency : 60 Hz  
Poles : 6  
Full load speed : 1190 rpm  
Slip : 0.83 %  
Voltage : 460 V  
Rated current : 122 A  
Locked rotor current : 854 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.0  
No-load current : 56.0 A  
Full load torque : 435 lb.ft  
Locked rotor torque : 260 %  
Breakdown torque : 310 %  
Design : ---  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 61 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 2121 lb  
Moment of inertia : 79.220 sq.ft.lb  
Noise level : 70 dB(A)

	D.E.	N.D.E.
Bearings	6319 C3	6316 C3
Regreasing interval	13000 h	16000 h
Grease amount	45 g	34 g

Load	Power factor	Efficiency (%)
100%	0.81	95.0
75%	0.75	95.0
50%	0.64	94.1

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #07512ET3Y315S/M-W22

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