



# Dealers Industrial Equipment

No.:

Date: 28-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 : 150 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3585 rpm  
 Slip : 0.42 %  
 Voltage : 460 V  
 Rated current : 163 A  
 Locked rotor current : 1370 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.4  
 No-load current : 48.0 A  
 Full load torque : 217 lb.ft  
 Locked rotor torque : 250 %  
 Breakdown torque : 370 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 59 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 : 50.222 sq.ft.lb  
 Noise level : 81 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	4000 h	4000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.89	95.0
75%	0.86	94.1
50%	0.78	92.4

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #11036ET3Y315S/M-W22

Performed by

Checked