



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 : 280S/M  
 Output : 125 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1785 rpm  
 Slip : 0.83 %  
 Voltage : 460 V  
 Rated current : 139 A  
 Locked rotor current : 1110 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.0  
 No-load current : 53.7 A  
 Full load torque : 363 lb.ft  
 Locked rotor torque : 270 %  
 Breakdown torque : 340 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 41 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 1713 lb  
 Moment of inertia : 60.554 sq.ft.lb  
 Noise level : 73 dB(A)

	D.E.	N.D.E.
Bearings	6316 C3	6316 C3
Regreasing interval	10000 h	10000 h
Grease amount	34 g	34 g

Load	Power factor	Efficiency (%)
100%	0.85	95.4
75%	0.81	95.0
50%	0.71	93.6

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #09018ET3Y280S/M-W22

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