



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

### DATA SHEET

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

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

Frame : 180L  
 Output : 30 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1770 rpm  
 Slip : 1.67 %  
 Voltage : 230/460 V  
 Rated current : 73.8/36.9 A  
 Locked rotor current : 642/321 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.7  
 No-load current : 31.8/15.9 A  
 Full load torque : 87.8 lb.ft  
 Locked rotor torque : 350 %  
 Breakdown torque : 320 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 11 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 436 lb  
 Moment of inertia : 5.5341 sq.ft.lb  
 Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6211 C3
Regreasing interval	20000 h	20000 h
Grease amount	18 g	11 g

Load	Power factor	Efficiency (%)
100%	0.81	92.4
75%	0.76	92.4
50%	0.65	91.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #02218EP3E180L

Performed by

Checked