



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

### DATA SHEET

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

Customer :  
 Product line : W22 High Efficiency

Frame : 182T  
 Output : 3 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1760 rpm  
 Slip : 2.22 %  
 Voltage : 230/460 V  
 Rated current : 8.10/4.05 A  
 Locked rotor current : 60.8/30.4 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.5  
 No-load current : 4.40/2.20 A  
 Full load torque : 8.83 lb.ft  
 Locked rotor torque : 220 %  
 Breakdown torque : 280 %  
 Design : B  
 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 : 84 lb  
 Moment of inertia : 0.26364 sq.ft.lb  
 Noise level : 56 dB(A)

	D.E.	N.D.E.
Bearings	6207 ZZ	6206 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.78	87.5
75%	0.72	87.5
50%	0.61	86.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00318EP3ER182TC-W22

Performed by

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