



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

### DATA SHEET

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

Customer :  
 Product line : Three-Phase : Explosion Proof - High Efficiency

Frame : 145T  
 Output : 1.5 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1760 rpm  
 Slip : 2.22 %  
 Voltage : 208-230/460 V  
 Rated current : 4.53-4.10/2.05 A  
 Locked rotor current : 34.8/17.4 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.5  
 No-load current : 2.48/1.24 A  
 Full load torque : 4.42 lb.ft  
 Locked rotor torque : 270 %  
 Breakdown torque : 370 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 13 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP54  
 Approximate weight : 68 lb  
 Moment of inertia : 0.11960 sq.ft.lb  
 Noise level : 51 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6205 2RS	6204 2RS	100%	0.80	84.0
Regreasing interval	---	---	75%	0.72	84.0
Grease amount	---	---	50%	0.60	80.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00158XP3ER145TC

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