



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
Product line : Brake Motors : Three-Phase - High Efficiency

Frame : 143T  
Output : 1.5 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3480 rpm  
Slip : 3.33 %  
Voltage : 230/460 V  
Rated current : 4.14/2.07 A  
Locked rotor current : 35.2/17.6 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.5  
No-load current : 2.00/1.00 A  
Full load torque : 2.23 lb.ft  
Locked rotor torque : 300 %  
Breakdown torque : 400 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 15 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 46 lb  
Moment of inertia : 0.03607 sq.ft.lb  
Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6205 ZZ	6204 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.81	82.5
75%	0.74	81.5
50%	0.64	78.5

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #00156EP3EBM143T

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