



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : W22 NEMA Premium - Ball Bearings

Frame : 143/5T  
 Output : 1.5 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3490 rpm  
 Slip : 3.06 %  
 Voltage : 208-230/460 V  
 Rated current : 4.20-3.92/1.96 A  
 Locked rotor current : 34.9/17.4 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.9  
 No-load current : 1.50/0.750 A  
 Full load torque : 2.23 lb.ft  
 Locked rotor torque : 350 %  
 Breakdown torque : 380 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 21 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 41 lb  
 Moment of inertia : 0.04699 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%	0.84	84.0
75%	0.80	84.0
50%	0.70	81.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00156ET3E143TC-W22

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