



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Frame : 143/5T  
 Output : 2 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3475 rpm  
 Slip : 3.47 %  
 Voltage : 460 V  
 Rated current : 2.56 A  
 Locked rotor current : 22.8 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.9  
 No-load current : 0.900 A  
 Full load torque : 2.98 lb.ft  
 Locked rotor torque : 350 %  
 Breakdown torque : 380 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 17 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 52 lb  
 Moment of inertia : 0.06051 sq.ft.lb  
 Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6205 C3	6204 C3
Regreasing interval	20000 h	20000 h
Grease amount	4 g	4 g

Load	Power factor	Efficiency (%)
100%	0.86	85.5
75%	0.80	85.5
50%	0.71	82.5

### Notes:

Downloaded from <http://dealerselectric.com>  
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