



# Dealers Industrial Equipment

No.:

Date: 13-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 : 182/4T  
 Output : 3 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3515 rpm  
 Slip : 2.36 %  
 Voltage : 460 V  
 Rated current : 3.63 A  
 Locked rotor current : 31.2 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.6  
 No-load current : 1.30 A  
 Full load torque : 4.42 lb.ft  
 Locked rotor torque : 250 %  
 Breakdown torque : 380 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 41 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 88 lb  
 Moment of inertia : 0.18889 sq.ft.lb  
 Noise level : 69 dB(A)

	D.E.	N.D.E.
Bearings	6207 C3	6206 C3
Regreasing interval	20000 h	20000 h
Grease amount	7 g	5 g

Load	Power factor	Efficiency (%)
100%	0.88	86.5
75%	0.84	86.5
50%	0.75	82.5

### Notes:

Downloaded from <http://dealerselectric.com>  
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