



## 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 : 213/5T  
Output : 10 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1765 rpm  
Slip : 1.94 %  
Voltage : 460 V  
Rated current : 12.4 A  
Locked rotor current : 79.4 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.4  
No-load current : 5.65 A  
Full load torque : 29.4 lb.ft  
Locked rotor torque : 200 %  
Breakdown torque : 300 %  
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 : 172 lb  
Moment of inertia : 1.5104 sq.ft.lb  
Noise level : 58 dB(A)

	D.E.	N.D.E.
Bearings	6308 C3	6207 C3
Regreasing interval	20000 h	20000 h
Grease amount	11 g	7 g

Load	Power factor	Efficiency (%)
100%	0.83	91.7
75%	0.77	91.7
50%	0.66	91.0

#### Notes:

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