



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Three-Phase : IEC Tru-Metric - TEFC (IP55) - Aluminum Frame

Frame : 112M  
 Output : 2 HP  
 Frequency : 60 Hz  
 Poles : 8  
 Full load speed : 870 rpm  
 Slip : 3.33 %  
 Voltage : 460 V  
 Rated current : 4.08 A  
 Locked rotor current : 23.3 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.7  
 No-load current : 3.50 A  
 Full load torque : 11.9 lb.ft  
 Locked rotor torque : 350 %  
 Breakdown torque : 380 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 17 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 85 lb  
 Moment of inertia : 0.57664 sq.ft.lb  
 Noise level : 50 dB(A)

	D.E.	N.D.E.
Bearings	6307 ZZ	6206 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.56	82.5
75%	0.47	80.0
50%	0.35	77.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
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