



# 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 : 90S/L  
 Output : 0.5 HP  
 Frequency : 60 Hz  
 Poles : 8  
 Full load speed : 840 rpm  
 Slip : 6.67 %  
 Voltage : 460 V  
 Rated current : 1.35 A  
 Locked rotor current : 5.94 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 4.4  
 No-load current : 1.07 A  
 Full load torque : 3.08 lb.ft  
 Locked rotor torque : 230 %  
 Breakdown torque : 250 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 12 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 33 lb  
 Moment of inertia : 0.10631 sq.ft.lb  
 Noise level : 47 dB(A)

	D.E.	N.D.E.
Bearings	6205 ZZ	6204 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.56	61.5
75%	0.46	62.0
50%	0.36	56.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #.3709EP3WAL90S/L

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