



# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

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

Customer :  
Product line : Brake Motors : Three-Phase - High Efficiency

Frame : 256T  
Output : 7.5 HP  
Frequency : 60 Hz  
Poles : 8  
Full load speed : 875 rpm  
Slip : 2.78 %  
Voltage : 230/460 V  
Rated current : 22.4/11.2 A  
Locked rotor current : 116/58.2 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.2  
No-load current : 14.6/7.30 A  
Full load torque : 44.4 lb.ft  
Locked rotor torque : 190 %  
Breakdown torque : 270 %  
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 : 302 lb  
Moment of inertia : 3.4086 sq.ft.lb  
Noise level : 54 dB(A)

	D.E.	N.D.E.
Bearings	6309 C3	6209 Z-C3
Regreasing interval	20000 h	20000 h
Grease amount	13 g	9 g

Load	Power factor	Efficiency (%)
100%	0.71	86.5
75%	0.63	85.9
50%	0.51	83.4

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #00709EP3EBM256T

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