



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

## DATA SHEET

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

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

Frame : 256T  
 Output : 20 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3515 rpm  
 Slip : 2.36 %  
 Voltage : 230/460 V  
 Rated current : 47.0/23.5 A  
 Locked rotor current : 291/146 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.2  
 No-load current : 13.0/6.50 A  
 Full load torque : 29.5 lb.ft  
 Locked rotor torque : 190 %  
 Breakdown torque : 250 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 15 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 313 lb  
 Moment of inertia : 1.1269 sq.ft.lb  
 Noise level : 75 dB(A)

	D.E.	N.D.E.
Bearings	6309 C3	6209 Z-C3
Regreasing interval	15797 h	18447 h
Grease amount	13 g	9 g

Load	Power factor	Efficiency (%)
100%	0.89	90.2
75%	0.87	90.2
50%	0.81	89.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #02036EP3EBM256T

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