



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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

Customer :  
Product line : P-Base Motors : High Efficiency

Frame : 254HP  
Output : 15 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3530 rpm  
Slip : 1.94 %  
Voltage : 230/460 V  
Rated current : 34.0/17.0 A  
Locked rotor current : 221/111 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.5  
No-load current : 9.20/4.60 A  
Full load torque : 22.0 lb.ft  
Locked rotor torque : 200 %  
Breakdown torque : 270 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 28 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 287 lb  
Moment of inertia : 1.0667 sq.ft.lb  
Noise level : 75 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6209 C3
Regreasing interval	5758 h	9224 h
Grease amount	18 g	9 g

Load	Power factor	Efficiency (%)
100%	0.90	90.2
75%	0.87	90.2
50%	0.81	88.5

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #01536EP3E254HP

Performed by

Checked