



# 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 : 286HP  
Output : 30 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1760 rpm  
Slip : 2.22 %  
Voltage : 230/460 V  
Rated current : 69.4/34.7 A  
Locked rotor current : 430/215 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.2  
No-load current : 22.0/11.0 A  
Full load torque : 88.3 lb.ft  
Locked rotor torque : 240 %  
Breakdown torque : 260 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 22 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 441 lb  
Moment of inertia : 4.8523 sq.ft.lb  
Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6312 C3	6211 C3
Regreasing interval	10000 h	10000 h
Grease amount	21 g	11 g

Load	Power factor	Efficiency (%)
100%	0.86	92.4
75%	0.83	93.0
50%	0.75	93.0

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #03018EP3E286HP

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