



# Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

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

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

Frame : 405HP  
Output : 100 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1775 rpm  
Slip : 1.39 %  
Voltage : 230/460 V  
Rated current : 228/114 A  
Locked rotor current : 1440/718 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.3  
No-load current : 60.0/30.0 A  
Full load torque : 292 lb.ft  
Locked rotor torque : 210 %  
Breakdown torque : 220 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 18 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 1118 lb  
Moment of inertia : 27.403 sq.ft.lb  
Noise level : 75 dB(A)

	D.E.	N.D.E.
Bearings	6316 C3	6314 C3
Regreasing interval	4284 h	4894 h
Grease amount	34 g	27 g

Load	Power factor	Efficiency (%)
100%	0.87	94.5
75%	0.86	94.5
50%	0.80	93.6

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #10018EP3E405HP

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