



# 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 : 405HPH  
 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 #10018EP3E405HPH

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