



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 : 460 V
Rated current : 114 A
Locked rotor current : 718 A
Locked rotor current (I_L/I_n) : 6.3
No-load current : 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>
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