



Dealers Industrial Equipment

No.:

Date: 28-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 : 2
Full load speed : 3550 rpm
Slip : 1.39 %
Voltage : 460 V
Rated current : 113 A
Locked rotor current : 723 A
Locked rotor current (I_L/I_n) : 6.4
No-load current : 30.0 A
Full load torque : 146 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 240 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 38 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 1206 lb
Moment of inertia : 11.919 sq.ft.lb
Noise level : 85 dB(A)

	D.E.	N.D.E.
Bearings	6316 C3	6314 C3
Regreasing interval	1350 h	1802 h
Grease amount	34 g	27 g

Load	Power factor	Efficiency (%)
100%	0.89	93.6
75%	0.88	93.6
50%	0.84	91.7

Notes:
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