



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 : 324HP
Output : 40 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3550 rpm
Slip : 1.39 %
Voltage : 230/460 V
Rated current : 92.2/46.1 A
Locked rotor current : 581/290 A
Locked rotor current (I_L/I_n) : 6.3
No-load current : 23.0/11.5 A
Full load torque : 58.4 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 240 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 36 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 569 lb
Moment of inertia : 4.4152 sq.ft.lb
Noise level : 81 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6212 C3
Regreasing interval	3604 h	6072 h
Grease amount	27 g	13 g

Load	Power factor	Efficiency (%)
100%	0.89	91.7
75%	0.87	91.7
50%	0.82	91.0

Notes:
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