



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 : 286HP
Output : 40 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3530 rpm
Slip : 1.94 %
Voltage : 230/460 V
Rated current : 93.4/46.7 A
Locked rotor current : 607/304 A
Locked rotor current (I_L/I_n) : 6.5
No-load current : 22.6/11.3 A
Full load torque : 58.7 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 280 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 14 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 408 lb
Moment of inertia : 2.8284 sq.ft.lb
Noise level : 75 dB(A)

	D.E.	N.D.E.
Bearings	6312 C3	6211 C3
Regreasing interval	4914 h	7113 h
Grease amount	21 g	11 g

Load	Power factor	Efficiency (%)
100%	0.88	91.7
75%	0.86	91.7
50%	0.80	91.0

Notes:
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