



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 : 254HP
Output : 20 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3520 rpm
Slip : 2.22 %
Voltage : 230/460 V
Rated current : 46.6/23.3 A
Locked rotor current : 289/144 A
Locked rotor current (I_L/I_n) : 6.2
No-load current : 10.0/5.00 A
Full load torque : 29.4 lb.ft
Locked rotor torque : 180 %
Breakdown torque : 220 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 21 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 280 lb
Moment of inertia : 1.3963 sq.ft.lb
Noise level : 75 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6209 C3
Regreasing interval	5758 h	9224 h
Grease amount	18 g	9 g

Load	Power factor	Efficiency (%)
100%	0.90	90.2
75%	0.90	90.5
50%	0.86	89.5

Notes:
Downloaded from <http://dealerselectric.com>
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