



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 NEMA Premium - Roller Bearings

Frame : 404/5T
Output : 100 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1775 rpm
Slip : 1.39 %
Voltage : 575 V
Rated current : 88.8 A
Locked rotor current : 648 A
Locked rotor current (I_L/I_n) : 7.3
No-load current : 30.4 A
Full load torque : 292 lb.ft
Locked rotor torque : 240 %
Breakdown torque : 260 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 13 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 1140 lb
Moment of inertia : 29.894 sq.ft.lb
Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	NU-316 C3	6314 C3
Regreasing interval	7000 h	12000 h
Grease amount	34 g	27 g

Load	Power factor	Efficiency (%)
100%	0.88	95.4
75%	0.84	95.0
50%	0.77	95.0

Notes:

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