



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 : 460 V
 Rated current : 111 A
 Locked rotor current : 810 A
 Locked rotor current (I_L/I_n) : 7.3
 No-load current : 38.0 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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