



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 : 444/5T
Output : 100 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1185 rpm
Slip : 1.25 %
Voltage : 575 V
Rated current : 96.8 A
Locked rotor current : 600 A
Locked rotor current (I_L/I_n) : 6.2
No-load current : 40.0 A
Full load torque : 437 lb.ft
Locked rotor torque : 220 %
Breakdown torque : 260 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 20 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 1577 lb
Moment of inertia : 87.260 sq.ft.lb
Noise level : 69 dB(A)

	D.E.	N.D.E.
Bearings	NU-319 C3	6316 C3
Regreasing interval	9000 h	16000 h
Grease amount	45 g	34 g

Load	Power factor	Efficiency (%)
100%	0.82	95.0
75%	0.78	95.0
50%	0.68	94.5

Notes:
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