



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 : 208-230/460 V
 Rated current : 268-242/121 A
 Locked rotor current : 1500/750 A
 Locked rotor current (I_L/I_n) : 6.2
 No-load current : 100/50.0 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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