



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 NEMA Premium - Roller Bearings

Frame : 444/5T
Output : 125 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1185 rpm
Slip : 1.25 %
Voltage : 208-230/460 V
Rated current : 316-286/143 A
Locked rotor current : 1830/915 A
Locked rotor current (I_L/I_N) : 6.4
No-load current : 112/56.0 A
Full load torque : 547 lb.ft
Locked rotor torque : 210 %
Breakdown torque : 240 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 19 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 1751 lb
Moment of inertia : 103.62 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%	0.83	95.0
75%	0.79	95.4
50%	0.70	95.0

Notes:

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