



Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 NEMA Premium - Roller Bearings

Frame : L447/9T
Output : 450 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1785 rpm
Slip : 0.83 %
Voltage : 460 V
Rated current : 501 A
Locked rotor current : 3460 A
Locked rotor current (I_L/I_n) : 6.9
No-load current : 160 A
Full load torque : 1306 lb.ft
Locked rotor torque : 260 %
Breakdown torque : 250 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 22 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 3396 lb
Moment of inertia : 151.76 sq.ft.lb
Noise level : 79 dB(A)

	D.E.	N.D.E.
Bearings	NU-322 C3	6319 C3
Regreasing interval	4000 h	8000 h
Grease amount	60 g	45 g

Load	Power factor	Efficiency (%)
100%	0.86	96.2
75%	0.83	96.2
50%	0.74	95.4

Notes:
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