



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 : 500 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1785 rpm
 Slip : 0.83 %
 Voltage : 460 V
 Rated current : 561 A
 Locked rotor current : 4040 A
 Locked rotor current (I_L/I_n) : 7.2
 No-load current : 210 A
 Full load torque : 1451 lb.ft
 Locked rotor torque : 250 %
 Breakdown torque : 260 %
 Design : B
 Insulation class : F
 Temperature rise : 105 K
 Locked rotor time : 22 s (hot)
 Service factor : 1.00
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 3462 lb
 Moment of inertia : 159.61 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%	0.82	96.2
50%	0.73	95.4

Notes:
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