



Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : W22 NEMA Premium - Ball Bearings

Frame : L447/9TS
 Output : 400 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1785 rpm
 Slip : 0.83 %
 Voltage : 460 V
 Rated current : 445 A
 Locked rotor current : 2890 A
 Locked rotor current (I_L/I_n) : 6.5
 No-load current : 125 A
 Full load torque : 1161 lb.ft
 Locked rotor torque : 250 %
 Breakdown torque : 260 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 21 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 3285 lb
 Moment of inertia : 136.37 sq.ft.lb
 Noise level : 79 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6314 C3	6314 C3	100%	0.88	96.2
Regreasing interval	12000 h	12000 h	75%	0.85	95.8
Grease amount	27 g	27 g	50%	0.80	95.4

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #40018ET3G449TS-W22

Performed by

Checked