Techtop Industries

Nameplate and Performance Data

NAMEPLATE DATA		
	60 Hz	50 Hz
Horsepower	300.0	-
Frame Size	449T	
Speed, RPM	1780	-
Voltage	460	-
# Phase	3	
Full Load Amps	336.5	-
Power Factor	0.88	-
Nominal Efficiency	95.4	-
3/4 Load Efficiency	-	-
Service Factor	1.15	-
Duty	Cont. / S1	
FL Temp Rise °C	94.0	-
Enclosure	TEFC	
Ambient Temp °C	40	
KVA Code	F	-
FL Amps. @ 208 V	-	-
Insulation Class	F	
NEMA Design	A	
Weight	2288.79	
DE Bearing	6319C3	
NDE Bearing	6319C3	
dB No-Load	-	
Rotor Wk², Lb-Ft²	-	
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	6	
Connection	?	
Coil Resistance	-	

Motor Model:	**GR3-CI-TF-449T-4-BR-E-300**

Performance Load Values:

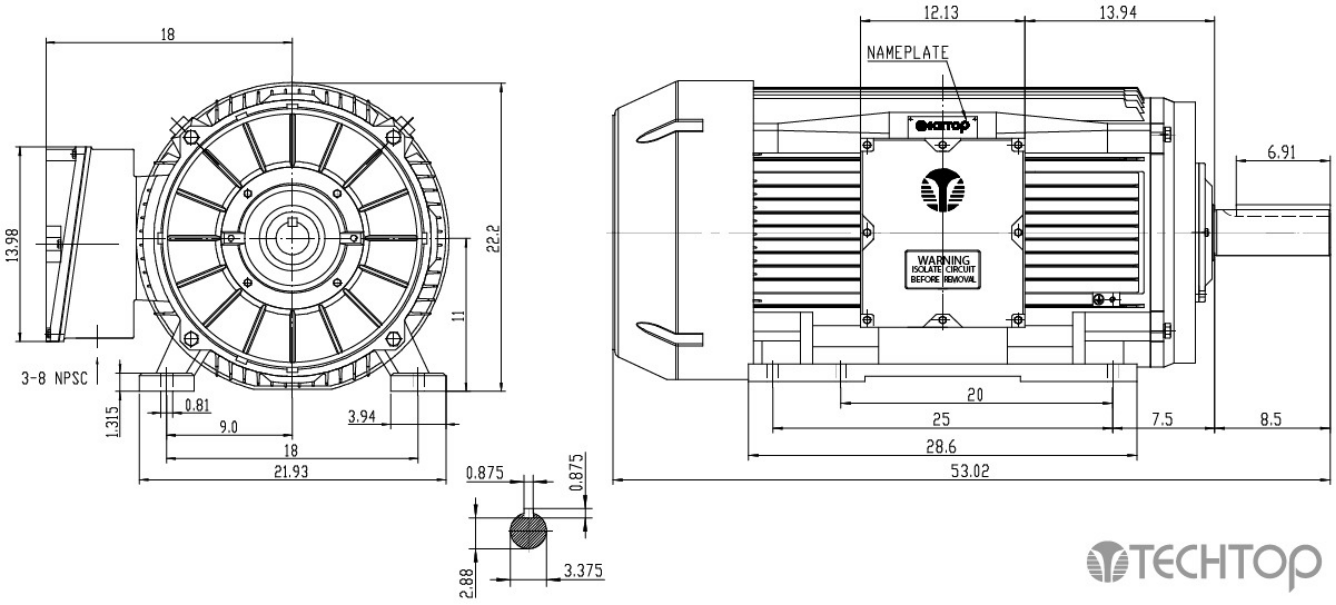
% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	88.7	-	-	-	-
25	62.5	115.46	57.1	1796.8	93.91	0.62
50	125.0	172.17	111.86	1793.7	95.88	0.82
75	187.5	238.28	167.39	1790.5	96.11	0.88
100	250.0	310.89	223.78	1787.0	95.85	0.9
125	312.5	356.38	258.04	1784.9	95.6	0.91
150	375.0	387.13	281.06	1783.4	95.4	0.91
SF	-	-	-	-	-	-

	Torque, Lb-Ft	% Full Load Torque	Speed, RPM	Current Amps.
Locked Rotor Torque	2872.23	341.0	-	2972.2
Pull Up Torque	1179.21	140.0	-	-
Breakdown Torque	2922.77	347.0	-	-
Full Load	842.296	100.0	1789.9	310.9

Speed Torque Curve

Please contact Techtop for image.

Dimensional Drawing



Dimensions are for reference only. Allowance should be made for minor deviations in non standard specified properties.

3D Image Link: Not available for this motor

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