

Techtop Industries Nameplate and Performance Data

NAMEPLATE DATA		
	60 Hz	50 Hz
Horsepower	1.5	1.5
Frame Size	143TC	
Speed, RPM	3500	2890
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	4.12/2.06	4.74/2.37
Power Factor	0.8	-
Nominal Efficiency	84.0	83.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
Duty	Cont. / S1	
FL Temp Rise °C	35.4	35.0
Enclosure	TEFC	
Ambient Temp °C	40	
KVA Code	L	H
FL Amps. @ 208 V	4.2	-
Insulation Class	F	
NEMA Design	B	
Weight	25.0	
DE Bearing	6205ZZ	
NDE Bearing	6205ZZ	
dB No-Load	-	
Rotor Wk ² , Lb-Ft ²	-	
Start Capacitor	-	
Start Capacitor V	-	
Run Capacitor	-	
Run Capacitor V	-	
Number of Leads	9	
Connection	YY/Y	
Coil Resistance	-	

Motor Model:	GR3-AL-TF-143TC-2-B-D-1.5
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Performance Load Values:

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	1.22	-	-	-	-
25	0.375	1.27	372.11	3576.3	73.9	0.37
50	0.75	1.43	661.32	3556.2	83.17	0.58
75	1.125	1.69	961.82	3533.7	85.78	0.72
100	1.5	2.01	1275.7	3508.7	86.23	0.8
125	1.875	2.39	1605.2	3481.3	85.66	0.84
150	2.25	2.81	1952.2	3451.5	84.52	0.87
SF	-	-	-	-	-	-

	Torque, Lb-Ft	% Full Load Torque	Speed, RPM	Current Amps.
Locked Rotor Torque	7.18504	3.28	-	18.2307
Pull Up Torque	4.99448	2.28	-	-
Breakdown Torque	8.34603	3.81	-	-
Full Load	2.19056	100.0	-	2.01

Speed Torque Curve

Please contact Techtop for image.

Dimensional Drawing

Please contact Techtop for image.

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