

## Techtop Industries Nameplate and Performance Data

NAMEPLATE DATA		
	60 Hz	50 Hz
<b>Horsepower</b>	7.5	7.5
<b>Frame Size</b>	213TC	
<b>Speed, RPM</b>	3520	2910
<b>Voltage</b>	230/460	190/380
<b># Phase</b>	3	
<b>Full Load Amps</b>	17.0/8.48	19.9/9.95
<b>Power Factor</b>	0.91	-
<b>Nominal Efficiency</b>	89.5	88.5
<b>3/4 Load Efficiency</b>	-	-
<b>Service Factor</b>	1.25	1.0
<b>Duty</b>	Cont. / S1	
<b>FL Temp Rise °C</b>	34.9	43.3
<b>Enclosure</b>	TEFC	
<b>Ambient Temp °C</b>	40	
<b>KVA Code</b>	K	H
<b>FL Amps. @ 208 V</b>	18.7	-
<b>Insulation Class</b>	F	
<b>NEMA Design</b>	A	
<b>Weight</b>	95.0	
<b>DE Bearing</b>	6308ZZ	
<b>NDE Bearing</b>	6208ZZ	
<b>dB No-Load</b>	-	
<b>Rotor Wk<sup>2</sup>, Lb-Ft<sup>2</sup></b>	-	
<b>Start Capacitor</b>	-	
<b>Start Capacitor V</b>	-	
<b>Run Capacitor</b>	-	
<b>Run Capacitor V</b>	-	
<b>Number of Leads</b>	9	
<b>Connection</b>	YY/Y	
<b>Coil Resistance</b>	-	

<b>Motor Model:</b>	<b>GR3-AL-TF-213TC-2-B-D-7.5</b>
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Performance Load Values:

% Load	Horsepower	Current, Amps	Input power, Kilowatts	Speed, RPM	Efficiency	PF
0	-	5.78	-	-	-	-
25	1.875	7.16	1700.8	3584.8	80.84	0.6
50	3.75	9.98	3124.7	3571.1	88.01	0.79
75	5.625	13.32	4581.2	3556.7	90.04	0.86
100	7.5	17.04	6074.7	3541.5	90.54	0.89
125	9.375	21.03	7608.1	3525.5	90.36	0.91
150	11.25	25.15	9183.2	3508.7	89.84	0.92
SF	-	-	-	-	-	-

	Torque, Lb-Ft	% Full Load Torque	Speed, RPM	Current Amps.
Locked Rotor Torque	38.6162	3.54	-	188.462
Pull Up Torque	11.5631	1.06	-	-
Breakdown Torque	45.925	4.21	-	-
Full Load	10.9085	100.0	-	17.04

### 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

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