

Techtop Industries Nameplate and Performance Data

NAMEPLATE DATA		
	60 Hz	50 Hz
Horsepower	7.5	7.5
Frame Size	213JM	
Speed, RPM	3520	2910
Voltage	230/460	190/380
# Phase	3	
Full Load Amps	17.0/8.48	19.9/9.95
Power Factor	0.91	-
Nominal Efficiency	89.5	88.5
3/4 Load Efficiency	-	-
Service Factor	1.25	1.0
Duty	Cont. / S1	
FL Temp Rise °C	34.9	43.3
Enclosure	TEFC	
Ambient Temp °C	40	
KVA Code	K	H
FL Amps. @ 208 V	18.7	-
Insulation Class	F	
NEMA Design	A	
Weight	95.0	
DE Bearing	6308ZZ	
NDE Bearing	6208ZZ	
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-213JM-2-B-D-7.5
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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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