



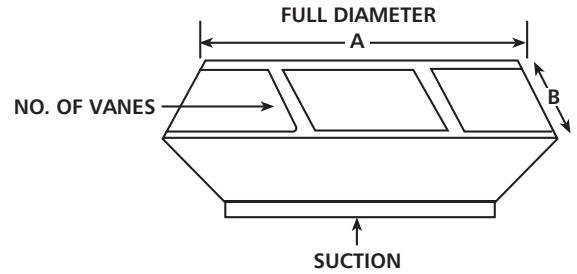
**Bell & Gossett**  
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**ENGINEERING DATA**

BGD200A06 R1

# Turbine Impeller Mechanical Data

**200.A.06** (Effective June, 2015)

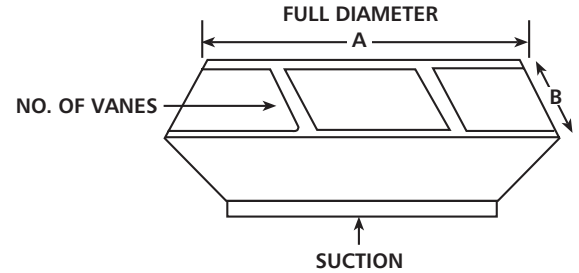


MODEL	Allowable Lateral (in)		Allowable Sphere (in)	Eye Area (sq. in)	Wet WR2 (lb-ft <sup>2</sup> )	Impeller Identification									Impeller Weight (lbs.)	
	Bearing Type					A = Inches			B = Inches			No. of Vanes			Closed	Open
	Bronze	Rubber				L	M	H	L	M	H	L	M	H		
5A	0.50	NA	0.21	1.48	0.02	4.00	-	-	0.20	-	-	5	-	-	1.3	NA
5C	0.25	NA	0.41	2.95	0.03	3.72	-	3.72	0.43	-	0.43	5	-	8	1.6	NA
5T	0.25	NA	0.50	5.03	0.03	3.54	-	3.54	0.62	-	0.62	4	-	7	2.0	NA
5RWA	0.44	0.44	0.28	2.11	0.05	3.88	-	3.88	0.32	-	0.32	5	-	9	1.2	NA
6C	0.38	0.25	0.47	4.05	0.07	4.22	-	4.22	0.50	-	0.50	5	-	8	3.0	NA
6DH	0.44	0.44	0.50	7.01	0.05	3.75	-	3.75	1.00	-	1.06	4	-	7	2.6	2.2
6RA	0.37	NA	0.22	1.62	0.05	4.00	-	4.00	0.22	-	0.22	5	-	8	2.4	NA
7C	0.50	0.31	0.56	6.44	0.14	5.25	-	5.25	0.60	-	0.60	5	-	8	3.9	NA
7RA	0.25	NA	0.22	2.65	0.08	4.75	-	4.75	0.25	-	0.25	5	-	8	3.3	NA
7T	0.50	0.50	0.63	10.11	0.18	4.96	-	4.96	1.11	-	1.11	4	-	7	5.1	NA
7WA	0.50	0.31	0.38	5.05	0.25	5.40	-	5.40	0.45	-	0.45	5	-	8	3.0	NA
8FD	0.60	0.60	0.75	5.05	0.21	5.06	-	5.06	1.12	-	1.12	5	-	7	7.0	5.0
8RA	0.37	0.37	0.25	3.08	0.16	5.50	-	5.50	0.28	-	0.28	5	-	8	3.6	NA
8RJ	0.56	0.34	0.75	13.75	0.29	5.25	-	5.25	0.73	-	0.73	5	-	8	4.6	4.2
9WA	0.56	0.56	0.47	6.84	0.45	6.69	-	6.69	0.47	-	0.47	5	-	8	6.8	NA
9RC	0.88	0.88	0.75	10.80	0.33	6.88	-	6.88	0.78	-	0.78	5	-	8	7.8	NA
9T	0.75	0.75	0.78	16.40	0.50	6.44	-	6.44	1.44	-	1.44	4	-	7	8.6	NA
10DH	0.75	0.75	1.06	6.84	0.97	6.37	-	6.38	1.68	-	1.68	4	-	7	14.0	NA
10L	0.50	0.50	0.72	27.27	0.94	-	-	5.81	-	-	1.68	-	-	7	10.5	NA
10RA	0.50	0.50	0.47	27.27	0.45	6.69	-	6.69	0.47	-	0.47	5	-	8	6.8	NA
10RJ	0.75	0.75	0.75	14.07	0.77	6.62	6.62	6.63	0.95	0.95	0.95	5	6	8	9.0	6.5
10WA	0.75	0.75	0.50	8.58	0.58	7.31	-	7.31	0.60	-	0.60	5	-	8	7.4	NA
11C	0.88	0.88	0.88	15.63	0.89	8.13	8.13	8.13	0.90	0.90	0.90	5	7	8	14.0	10.0
11RA	0.50	0.50	0.53	9.95	1.00	8.00	-	8.00	0.55	-	0.55	5	-	8	13.0	NA
11WA	0.75	0.75	0.63	11.15	0.93	8.38	-	8.38	69.00	-	0.69	5	-	9	11.0	NA
12C	0.88	0.88	0.94	18.19	1.65	8.69	8.69	8.69	1.00	1.00	1.00	5	7	8	16.0	10.0
12FD	0.75	0.75	1.00	32.29	2.38	7.77	-	7.77	1.75	-	1.75	5	-	7	19.0	11.5
12FR	1.00	0.88	0.88	39.59	2.42	-	-	7.25	-	-	2.12	-	-	8	19.0	16
12WA	0.75	0.68	0.66	13.31	1.65	8.94	8.94	8.94	0.75	0.75	0.75	5	8	8	13.0	NA
12RJ	1.25	1.25	0.94	19.90	1.63	8.00	8.00	8.12	1.09	1.09	1.09	5	6	8	15.0	11.0

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# Turbine Impeller Mechanical Data

## 200.A.06A *(Effective June, 2015)*



MODEL	Allowable Lateral (in)		Allowable Sphere (in)	Eye Area (sq. in)	Wet WR2 (lb-ft <sup>2</sup> )	Impeller Identification									Impeller Weight (lbs.)	
	Bearing Type					A = Inches			B = Inches			No. of Vanes			Closed	Open
	Bronze	Rubber				L	M	H	L	M	H	L	M	H		
13C	0.88	0.88	0.94	19.86	1.69	9.20	9.20	9.20	1.01	1.01	1.01	5	7	8	22.0	NA
13RA	0.50	0.50	0.56	20.3	1.69	9.63	-	9.63	0.66	-	0.66	5	-	5	18	NA
14DH	0.75	0.75	0.87	43.4	3.72	9.06	-	9.06	2.33	-	2.33	4	-	7	NA	27
14F	1.00	1.00	1.75	45.9	5.10	-	-	9.88	-	-	1.96	-	-	7	29	NA
14RH	1.00	1.00	1.18	34.5	5.05	9.88	9.88	9.88	1.63	1.63	1.63	5	6	7	24	28
14RJ	1.31	1.31	1.06	30.8	3.12	9.83	9.83	9.83	1.40	1.40	1.40	5	6	8	24	27
15F	1.18	1.18	1.44	66.2	8.70	-	-	9.75	-	-	3.00	-	-	7	30	NA
16B	0.75	0.75	0.75	29.1	11.4	12.25	-	12.25	1.08	-	1.08	5	-	7	60	NA
16DH	0.88	0.88	1.06	58.1	9.33	10.44	-	10.44	2.68	-	2.68	4	-	7	49	49
16DM	0.88	0.88	1.19	40.2	9.65	-	11.62	-	-	1.41	-	-	7	-	62	NA
16RG	1.00	1.00	1.50	58.1	10.5	10.45	-	10.45	2.22	-	2.22	5	-	6	48	NA
18B	0.75	0.75	1.19	49.6	14.0	12.94	-	12.94	1.28	-	1.28	7	-	7	88	NA
18C	0.88	0.88	1.00	39.9	13.0	-	-	13.31	-	-	1.38	-	-	7	58	NA
18D	0.75	0.75	1.00	48.6	13.3	-	12.75	12.69	-	1.55	1.75	-	7	-	61	NA
18GX	1.00	1.00	1.37	92.6	13.0	-	-	12.12	-	-	2.52	-	-	5	63	NA
18H	0.56	0.56	1.88	63.4	21.7	-	12.62	-	-	2.50	-	-	5	-	65	NA
18L	1.00	1.00	1.88	76.1	18.0	-	-	10.41	-	-	2.78	-	-	6	88	NA
20B	0.81	0.81	1.19	41.3	19.3	-	-	14.25	-	-	1.26	-	-	7	95	NA
20RC	1.25	1.25	1.56	103.8	23.3	15.63	-	15.63	1.82	-	1.82	5	-	7	85	NA
20E	0.75	0.75	2.00	77.8	17.2	13.31	-	13.31	1.97	-	1.97	5	-	6	68	NA
20G	1.13	1.13	1.56	103.8	15.8	13.50	-	13.50	3.00	-	3.00	5	-	6	77	NA
24C	1.00	1.00	1.62	86.1	68.5	19.00	-	19.00	1.94	-	1.94	5	-	7	138	NA
24D	1.18	1.18	1.62	95.8	69.9	-	17.38	-	-	2.09	-	-	7	-	158	NA
24E	0.63	0.63	2.00	108.2	52.1	15.56	-	15.56	2.29	-	2.29	5	-	6	83	NA
24F	1.37	1.37	2.50	126.4	52.1	-	-	16.11	-	-	3	-	-	6	116	NA
24G	1.50	1.50	2.50	136.6	40.5	15.81	-	15.50	3.38	-	3.45	5	-	6	150	NA
26G	1.00	1.00	2.75	162.0	84.0	-	-	17.62	-	-	3.54	-	-	6	249	249
28B	1.13	1.13	1.50	145.6	90.3	19.44	-	19.44	2.46	-	2.46	5	-	7	174	NA
28G	1.50	1.50	3.00	174.4	96.5	-	-	18.26	-	-	3.67	-	-	6	193	238
30B	0.88	0.88	1.87	194.3	133.0	20.12	-	20.12	3.5	-	3.5	7	-	7	220	NA

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