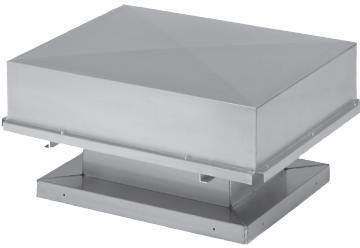




MODEL BGH

FABRICATED GRAVITY RELIEF/INTAKE VENTILATOR



MODEL FEATURES

- Exhaust or Supply air up to 90,000 CFM in static pressure applications up to .25" w.g.
- Constructed of .050" aluminum
- Assembled with standing seams and snap-lock seams that are secured with spot welds
- Modern, low silhouette design that blends roof lines and other equipment

MODEL OVERVIEW

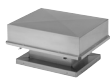
Model BGH gravity ventilator offers a modern low silhouette design that blends with roof lines and other equipment. Designed for maximum airflow passage and weathertight integrity, Model BGH comes in either intake or relief models in aluminum or galvanized finishes. An extensive range of sizes are offered with many standard and optional features. Exhaust models have a 1:1 ratio of hood perimeter opening to throat area and supply models incorporate a 2:1 ratio.

To meet other size or ventilation capacity requirements, in addition to those listed in the following tables, custom sized units are available upon request. Consult your representative or factory for specific details and performance capabilities.

CONSTRUCTION/SPECIFICATION CHECKLIST

- Generously sized throat and hood perimeter openings for low resistance and more efficient airflow.
- Hood is constructed of .050" aluminum and assembled with standing seams and snap lock seams that are secured with spot welds. No screws or rivets to break or work loose.
- Hood is reinforced and braced for extra rigidity and resistance to wind damage. Utilizes channels and structural angles throughout.
- All hoods are fabricated with 1/2" x 1/2" mesh galvanized welded screen as standard equipment. Screens are attached to full hood perimeter opening with stainless steel or zinc plated fasteners. Screens are omitted when hoods are equipped with filters.
- Full 360° perimeter hood opening for total wind action from any direction for more reliable airflow performance.
- Curb base constructed of .080" aluminum. All corners are miter cut. All seams and corners are continuous welded for strength and water tightness.
- Hoods have a special deflector flange on edge of perimeter opening for added protection against rain and snow. Wide overhang for storm protection.

Industry best 1 year fan housing warranty



MODEL BGH

FABRICATED GRAVITY RELIEF/INTAKE VENTILATORS



OPTIONS/ACCESSORIES

Aluminum Birdscreens: Consists of .060" thick 1/2" x 1" diamond shape expanded aluminum. Attached to the full perimeter opening of the hood with stainless or zinc plated fasteners.

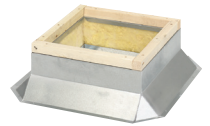
Hinged Hood: For easy access to backdraft dampers and to service filters and screens.

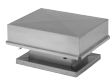
Insulated Hood: To reduce condensation drip. Offered in rubberized anti-condensate undercoating or as 1" thick fiberglass insulation.

Filters: Offered as 1" or 2" thick permanent type aluminum mesh mounted for easy cleaning and attached to full perimeter opening of the hood. Birdscreens are omitted when equipped with filters. *Note:* Add .17" to the area listed in the tables when using filters on AIR INTAKE ventilators.

Insect Screen: Consists of 18 mesh aluminum screen. Attached to the full perimeter opening of the hood. *Note:* When using insect screens on EXHAUST ventilators add .10" to the area listed in the tables. For INTAKE ventilators add .05" to the listed area.

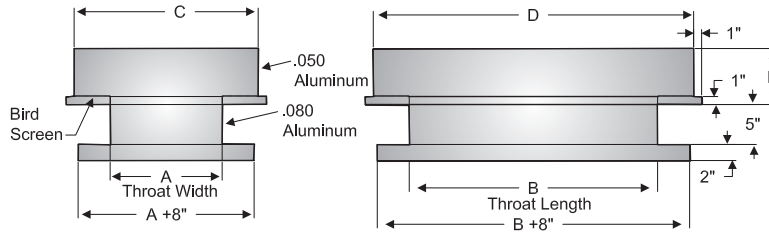
Roof Curb: Prefabricated heavy-gauge galvanized steel, welded construction, 12" high (other heights are also available) with 1-1/2" wood nailer. Assures perfect fit of to roof opening. Options include burglar bars, single or double pitch construction and hinged curbs for easy duct access.





PERFORMANCE/DIMENSIONS

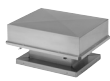
Gravity Relief 1:1 Ratio



Dimensional Data					Throat Velocity in FPM @ Static Pressure - Relief				
Throat Area	Throat Size	Hood Size			536	758	848	1073	1200
					CFM @ Static Pressure - Relief				
	A x B	C	D	E	.050	.100	.125	.200	.250
1.00	12 x 12	18	18	7	536	758	848	1073	1200
1.50	12 x 18	19	25	7	804	1137	1272	1610	1800
2.00	12 x 24	20	32	7	1072	1516	1696	2146	2400
2.50	12 x 30	20	38	7	1340	1895	2120	2683	3000
3.00	12 x 36	21	45	7	1608	2274	2544	3219	3600
3.50	12 x 42	22	52	7	1876	2653	2968	3756	4200
4.00	12 x 48	23	57	7	2144	3032	3392	4292	4800
1.36	14 x 14	20	20	7	730	1032	1154	1460	1633
1.75	14 x 18	22	22	7	938	1327	1484	1878	2100
2.33	14 x 24	23	33	7	1251	1769	1979	2504	2800
2.92	14 x 30	23	39	7	1563	2211	2473	3130	3500
3.50	14 x 36	23	45	7	1876	2653	2968	3756	4200
4.08	14 x 42	24	52	7	2189	3095	3463	4381	4900
4.67	14 x 48	24	58	7	2501	3537	3957	5007	5600
5.25	14 x 54	24	64	7	2814	3980	4452	5633	6300
1.78	16 x 16	23	23	7	953	1348	1508	1908	2133
2.22	16 x 20	24	28	7	1191	1684	1884	2384	2667
2.67	16 x 24	25	33	7	1429	2021	2261	2861	3200
3.33	16 x 30	26	40	7	1787	2527	2827	3577	4000
4.00	16 x 36	26	46	7	2144	3032	3392	4292	4800
4.67	16 x 42	26	52	7	2501	3537	3957	5007	5600
5.33	16 x 48	27	59	7	2859	4043	4523	5723	6400
6.00	16 x 54	27	65	7	3216	4548	5088	6438	7200
6.67	16 x 60	27	71	7	3573	5053	5653	7153	8000
7.33	16 x 66	28	78	7	3931	5559	6219	7869	8800
2.25	18 x 18	26	26	8	1206	1706	1908	2414	2700
3.00	18 x 24	27	33	8	1608	2274	2544	3219	3600
3.75	18 x 30	28	40	8	2010	2843	3180	4024	4500
4.50	18 x 36	29	47	8	2412	3411	3816	4829	5400
5.25	18 x 42	29	53	8	2814	3980	4452	5633	6300
6.00	18 x 48	30	60	8	3216	4548	5088	6438	7200
6.75	18 x 54	30	66	8	3618	5117	5724	7243	8100
7.50	18 x 60	30	72	8	4020	5685	6360	8048	9000
8.25	18 x 66	31	79	8	4422	6254	6996	8852	9900
9.00	18 x 72	31	85	8	4824	6822	7632	9657	10800
2.78	20 x 20	29	29	9	1489	2106	2356	2981	3333
3.33	20 x 24	31	33	9	1787	2527	2827	3577	4000
4.17	20 x 30	31	41	9	2233	3158	3533	4471	5000
5.00	20 x 36	31	47	9	2680	3790	4240	5365	6000
5.83	20 x 42	32	52	9	3127	4422	4947	6259	7000
6.67	20 x 48	33	61	9	3573	5053	5653	7153	8000

Hoods wider than 98" will ship knocked down.

Insect Screens - Add .10 to area shown in table. Damper - Add .10 to area shown in table. Filters - Add .17 to area shown in table.

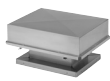


Gravity Relief 1:1 Ratio Cont.

Throat Area	Dimensional Data				Throat Velocity in FPM @ Static Pressure - Relief				
	Throat Size	Hood Size			536	758	848	1073	1200
		A x B	C	D	E	CFM @ Static Pressure - Relief			
					.050	.100	.125	.200	.250
7.50	20 x 54	33	67	9	4020	5685	6360	8048	9000
8.33	20 x 60	33	73	9	4467	6317	7067	8942	10000
9.17	20 x 66	34	80	9	4913	6948	7773	9836	11000
10.00	20 x 72	34	86	9	5360	7580	8480	10730	12000
10.83	20 x 78	34	92	9	5807	8212	9187	11624	13000
11.67	20 x 84	35	98	9	6253	8843	9893	12518	14000
4.00	24 x 24	34	34	11	2144	3032	3392	4292	4800
5.00	24 x 30	36	42	11	2680	3790	4240	5365	6000
6.00	24 x 36	37	49	11	3216	4548	5088	6438	7200
7.00	24 x 42	38	56	11	3752	5306	5936	7511	8400
8.00	24 x 48	38	62	11	4288	6064	6784	8584	9600
9.00	24 x 54	39	69	11	4824	6822	7632	9657	10800
10.00	24 x 60	39	75	11	5360	7580	8480	10730	12000
11.00	24 x 66	40	82	11	5896	8338	9328	11803	13200
12.00	24 x 72	40	88	11	6432	9096	10176	12876	14400
13.00	24 x 78	40	94	11	6968	9854	11024	13949	15600
14.00	24 x 84	40	100	11	7504	10612	11872	15022	16800
15.00	24 x 90	40	106	11	8040	11370	12720	16095	18000
6.25	30 x 30	43	43	13	3350	4738	5300	6706	7500
7.50	30 x 36	44	50	13	4020	5685	6360	8048	9000
8.75	30 x 42	45	57	13	4690	6633	7420	9389	10500
10.00	30 x 48	45	65	13	5360	7580	8480	10730	12000
11.25	30 x 54	45	74	13	6030	8528	9540	12071	13500
12.50	30 x 60	48	78	13	6700	9475	10600	13413	15000
13.75	30 x 66	48	84	13	7370	10423	11660	14754	16500
15.00	30 x 72	49	91	13	8040	11370	12720	16095	18000
16.25	30 x 78	49	97	13	8710	12318	13780	17436	19500
17.50	30 x 84	50	104	13	9380	13265	14840	18778	21000
18.75	30 x 90	50	111	13	10050	14213	15900	20119	22500
9.00	36 x 36	52	52	15	4824	6822	7632	9657	10800
10.50	36 x 42	53	59	15	5628	7959	8904	11267	12600
12.00	36 x 48	54	66	15	6432	9096	10176	12876	14400
13.50	36 x 54	55	73	15	7236	10233	11448	14486	16200
15.00	36 x 60	56	80	15	8040	11370	12720	16095	18000
16.50	36 x 66	56	86	15	8844	12507	13992	17705	19800
18.00	36 x 72	57	93	15	9648	13644	15264	19314	21600
19.50	36 x 78	58	99	15	10452	14781	16536	20924	23400
21.00	36 x 84	58	106	15	11256	15918	17808	22533	25200
22.50	36 x 90	58	112	15	12060	17055	19080	24143	27000
24.00	36 x 96	59	119	15	12864	18192	20352	25752	28800
25.50	36 x 102	59	124	15	13668	19329	21624	27362	30600
12.25	42 x 42	59	59	15	6566	9286	10388	13144	14700
15.75	42 x 54	62	74	15	8442	11939	13356	16900	18900
17.50	42 x 60	64	82	15	9380	13265	14840	18778	21000
19.25	42 x 66	65	89	15	10318	14592	16324	20655	23100
21.00	42 x 72	65	95	15	11256	15918	17808	22533	25200
22.75	42 x 78	65	101	15	12194	17245	19292	24411	27300
24.50	42 x 84	66	108	15	13132	18571	20776	26289	29400
26.25	42 x 90	66	114	15	14070	19898	22260	28166	31500
28.00	42 x 96	67	121	15	15008	21224	23744	30044	33600
29.75	42 x 102	68	128	15	15946	22551	25228	31922	35700
31.50	42 x 108	68	134	15	16884	23877	26712	33800	37800
16.00	48 x 48	68	68	17	8576	12128	13568	17168	19200
18.00	48 x 54	70	76	17	9648	13644	15264	19314	21600
20.00	48 x 60	71	83	17	10720	15160	16960	21460	24000
22.00	48 x 66	72	90	17	11792	16676	18656	23606	26400

Hoods wider than 98" will ship knocked down.

Insect Screens - Add .10 to area shown in table. Damper - Add .10 to area shown in table. Filters - Add .17 to area shown in table.

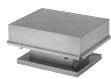


Gravity Relief 1:1 Ratio Cont.

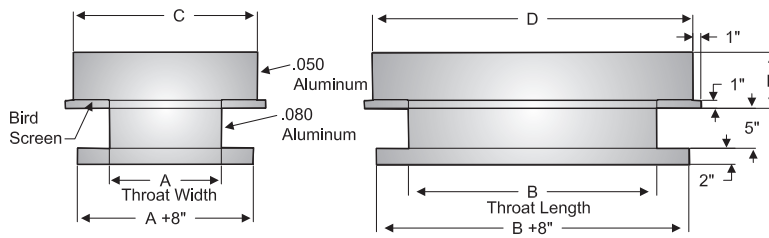
Throat Area	Dimensional Data				Throat Velocity in FPM @ Static Pressure - Relief				
	Throat Size	Hood Size			536	758	848	1073	1200
		A x B	C	D	E	CFM @ Static Pressure - Relief			
					.050	.100	.125	.200	.250
24.00	48 x 72	73	97	17	12864	18192	20352	25752	28800
26.00	48 x 78	74	103	17	13936	19708	22048	27898	31200
28.00	48 x 84	75	111	17	15008	21224	23744	30044	33600
30.00	48 x 90	75	117	17	16080	22740	25440	32190	36000
32.00	48 x 96	75	123	17	17152	24256	27136	34336	38400
34.00	48 x 102	75	129	17	18224	25772	28832	36582	40800
36.00	48 x 108	77	137	17	19296	27288	30528	38628	43200
38.00	48 x 114	77	146	17	20368	28804	32224	40774	45600
20.25	54 x 54	77	77	19	10854	15350	17172	21728	24300
22.50	54 x 60	79	85	19	12060	17055	19080	24143	27000
24.75	54 x 66	79	91	19	13266	18761	20988	26557	29700
27.00	54 x 72	80	98	19	14472	20466	22896	28971	32400
29.25	54 x 78	81	104	19	15678	22172	24804	31385	35100
31.50	54 x 84	82	112	19	16884	23877	26712	33800	37800
33.75	54 x 90	82	119	19	18090	25583	28620	36214	40500
36.00	54 x 96	83	125	19	19296	27288	30528	38628	43200
38.25	54 x 102	84	134	19	20502	28994	32436	41042	45900
40.50	54 x 108	85	139	19	21708	30699	34344	43457	48600
42.75	54 x 114	85	144	19	22914	32405	36252	45871	51300
25.00	60 x 60	86	86	21	13400	18950	21200	26825	30000
27.50	60 x 66	87	93	21	14740	20845	23320	29508	33000
30.00	60 x 72	88	100	21	16080	22740	25440	32190	36000
32.50	60 x 78	89	106	21	17420	24635	27560	34873	39000
35.00	60 x 84	90	114	21	18760	26530	29680	37555	42000
37.50	60 x 90	90	120	21	20100	28425	31800	40238	45000
40.00	60 x 96	91	127	21	21440	30320	33920	42920	48000
42.50	60 x 102	92	134	21	22780	32215	36040	45603	51000
45.00	60 x 108	93	141	21	24120	34110	38160	48285	54000
47.50	60 x 114	93	148	21	25460	36005	40280	50968	57000
50.00	60 x 120	94	154	21	26800	37900	42400	53650	60000
30.25	66 x 66	94	94	21	16214	22930	25652	32458	36300
33.00	66 x 72	94	94	21	17688	25014	27984	35409	39600
35.75	66 x 78	95	105	21	19162	27099	30316	38360	42900
38.50	66 x 84	97	115	21	20636	29183	32648	41311	46200
41.25	66 x 90	97	123	21	22110	31268	34980	44261	49500
44.00	66 x 96	97	131	21	23584	33352	37312	47212	52800
46.75	66 x 102	97	139	21	25058	35437	39644	50163	56100
49.50	66 x 108	97	147	21	26532	37521	41976	53114	59400
52.25	66 x 114	97	156	21	28006	39606	44308	56064	62700
55.00	66 x 120	96	165	21	29480	41690	46640	59015	66000
57.75	66 x 126	96	174	21	30954	43775	48972	61966	69300
60.50	66 x 132	96	182	21	32428	45859	51304	64917	72600
36.00	72 x 72	96	110	21	19296	27288	30528	38628	43200
39.00	72 x 78	96	118	21	20904	29562	33072	41847	46800
42.00	72 x 84	96	126	21	22512	31836	35616	45066	50400
45.00	72 x 90	96	134	21	24120	34110	38160	48285	54000
48.00	72 x 96	96	143	21	25728	36384	40704	51504	57600
51.00	72 x 102	96	153	21	27336	38658	43248	54723	61200
54.00	72 x 108	96	163	21	28944	40932	45792	57942	64800
57.00	72 x 114	96	172	21	30552	43206	48336	61161	68400
60.00	72 x 120	96	180	21	32160	45480	50880	64380	72000
63.00	72 x 126	108	168	23	33768	47754	53424	67599	75600
66.00	72 x 132	108	176	23	35376	50028	55968	70818	79200
69.00	72 x 138	108	184	23	36984	52302	58512	74037	82800
72.00	72 x 144	108	192	23	38592	54576	61056	77256	86400

Hoods wider than 98" will ship knocked down.

Insect Screens - Add .10 to area shown in table. Damper - Add .10 to area shown in table. Filters - Add .17 to area shown in table.



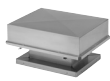
Gravity Intake 2:1 Ratio



Dimensional Data					Throat Velocity in FPM @ Static Pressure - Intake				
Throat Area	Throat Size	Hood Size			312/625	441/883	592/998	592/1185	625/1250
					CFM @ Static Pressure - Intake				
	A x B	C	D	E	.050	.100	.125	.180	.200
1.00	12 x 12	21	21	7	625	883	988	1185	1250
1.50	12 x 18	23	29	7	938	1325	1482	1778	1875
2.00	12 x 24	25	37	7	1250	1766	1976	2370	2500
2.50	12 x 30	26	44	7	1563	2208	2470	2963	3125
3.00	12 x 36	27	51	7	1875	2649	2964	3555	3750
3.50	12 x 42	29	57	7	2188	3091	3458	4148	4375
4.00	12 x 48	28	64	7	2500	3532	3952	4740	5000
1.36	14 x 14	25	25	8	851	1202	1345	1613	1701
1.75	14 x 18	26	30	8	1094	1545	1729	2074	2188
2.33	14 x 24	28	38	8	1458	2060	2305	2765	2917
2.92	14 x 30	29	45	8	1823	2575	2882	3456	3646
3.50	14 x 36	30	52	8	2188	3091	3458	4148	4375
4.08	14 x 42	30	57	8	2552	3606	4034	4839	5104
4.67	14 x 48	31	65	8	2917	4121	4611	5530	5833
5.25	14 x 54	32	72	8	3281	4636	5187	6221	6563
1.78	16 x 16	28	28	9	1111	1570	1756	2107	2222
2.22	16 x 20	29	33	9	1389	1962	2196	2633	2778
2.67	16 x 24	31	39	9	1667	2355	2635	3160	3333
3.33	16 x 30	32	45	9	2083	2943	3293	3950	4167
4.00	16 x 36	33	53	9	2500	3532	3952	4740	5000
4.67	16 x 42	33	59	9	2917	4121	4611	5530	5833
5.33	16 x 48	35	67	9	3333	4709	5269	6320	6667
6.00	16 x 54	36	74	9	3750	5298	5928	7110	7500
6.67	16 x 60	36	80	9	4167	5887	6587	7900	8333
7.33	16 x 66	37	87	9	4583	6475	7245	8690	9167
2.25	18 x 18	32	32	10	1406	1987	2223	2666	2813
3.00	18 x 24	33	40	10	1875	2649	2964	3555	3750
3.75	18 x 30	36	48	10	2344	3311	3705	4444	4688
4.50	18 x 36	37	55	10	2813	3974	4446	5333	5625
5.25	18 x 42	38	62	10	3281	4636	5187	6221	6563
6.00	18 x 48	39	69	10	3750	5298	5928	7110	7500
6.75	18 x 54	40	76	10	4219	5960	6669	7999	8438
7.50	18 x 60	40	82	10	4688	6623	7410	8888	9375
8.25	18 x 66	41	89	10	5156	7285	8151	9776	10313
9.00	18 x 72	41	95	10	5625	7947	8892	10665	11250
2.78	20 x 20	35	35	11	1736	2453	2744	3292	3472
3.33	20 x 24	37	41	11	2083	2943	3293	3950	4167
4.17	20 x 30	38	48	11	2604	3679	4117	4938	5208
5.00	20 x 36	40	56	11	3125	4415	4940	5925	6250
5.83	20 x 42	40	60	11	3646	5151	5763	6913	7292
6.67	20 x 48	42	70	11	4167	5887	6587	7900	8333

Hoods wider than 98" will ship knocked down.

Insect Screens - Add .10 to area shown in table. Damper - Add .10 to area shown in table. Filters - Add .17 to area shown in table.

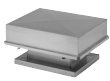


Gravity Intake 2:1 Ratio Cont.

Throat Area	Dimensional Data				Throat Velocity in FPM @ Static Pressure - Intake				
	Throat Size	Hood Size			312/625	441/883	592/998	592/1185	625/1250
		A x B	C	D	E	CFM @ Static Pressure - Intake			
					.050	.100	.125	.180	.200
7.50	20 x 54	43	77	11	4688	6623	7410	8888	9375
8.33	20 x 60	44	84	11	5208	7358	8233	9875	10417
9.17	20 x 66	45	91	11	5729	8094	9057	10863	11458
10.00	20 x 72	45	97	11	6250	8830	9880	11850	12500
10.83	20 x 78	46	106	11	6771	9956	10703	12838	13542
11.67	20 x 84	46	110	11	7292	10302	11527	13825	14583
4.00	24 x 24	42	42	11	2500	3532	3952	4740	5000
5.00	24 x 30	44	50	11	3125	4415	4940	5925	6250
6.00	24 x 36	46	58	11	3750	5298	5928	7110	7500
7.00	24 x 42	48	66	11	4375	6181	6916	8295	8750
8.00	24 x 48	49	73	11	5000	7064	7904	9480	10000
9.00	24 x 54	50	80	11	5625	7947	8892	10665	11250
10.00	24 x 60	52	88	11	6250	8830	9880	11850	12500
11.00	24 x 66	52	94	11	6875	9713	10868	13035	13750
12.00	24 x 72	52	100	11	7500	10596	11856	14220	15000
13.00	24 x 78	53	109	11	8125	11479	12844	15405	16250
14.00	24 x 84	54	114	11	8750	12362	13832	16590	17500
15.00	24 x 90	55	127	11	9375	13245	14820	17775	18750
6.25	30 x 30	53	53	13	3906	5519	6175	7406	7813
7.50	30 x 36	55	61	13	4688	6623	7410	8888	9375
8.75	30 x 42	57	69	13	5469	7726	8645	10369	10938
10.00	30 x 48	57	76	13	6250	8830	9880	11850	12500
11.25	30 x 54	60	84	13	7031	9934	11115	13331	14063
12.50	30 x 60	61	91	13	7813	11038	12350	14813	15625
13.75	30 x 66	62	98	13	8594	12141	13585	16294	17188
15.00	30 x 72	63	105	13	9375	13245	14820	17775	18750
16.25	30 x 78	64	114	13	10156	14349	16055	19256	20313
17.50	30 x 84	65	119	13	10938	15453	17290	20738	21875
18.75	30 x 90	66	132	13	11719	16556	18525	22219	23438
9.00	36 x 36	63	63	15	5625	7947	8892	10665	11250
10.50	36 x 42	66	72	15	6563	9272	10374	12443	13125
12.00	36 x 48	67	79	15	7500	10596	11856	14220	15000
13.50	36 x 54	69	87	15	8438	11921	13338	15998	16875
15.00	36 x 60	70	94	15	9375	13245	14820	17775	18750
16.50	36 x 66	71	101	15	10313	14570	16302	19553	20625
18.00	36 x 72	72	108	15	11250	15894	17784	21330	22500
19.50	36 x 78	74	117	15	12188	17219	19266	23108	24375
21.00	36 x 84	75	123	15	13125	18543	20748	24885	26250
22.50	36 x 90	75	130	15	14063	19868	22230	26663	28125
24.00	36 x 96	77	137	15	15000	21192	23712	28440	30000
25.50	36 x 102	78	150	15	15938	22517	25194	30218	31875
12.25	42 x 42	74	74	18	7656	10817	12103	14516	15313
15.75	42 x 54	78	90	18	9844	13907	15561	18664	19688
17.50	42 x 60	80	98	18	10938	15453	17290	20738	21875
19.25	42 x 66	81	105	18	12031	16998	19019	22811	24063
21.00	42 x 72	83	113	18	13125	18543	20748	24885	26250
22.75	42 x 78	83	122	18	14219	20088	22477	26959	28438
24.50	42 x 84	84	126	18	15313	21634	24206	29033	30625
26.25	42 x 90	85	135	18	16406	23179	25935	31106	32813
28.00	42 x 96	87	141	18	17500	24724	27664	33180	35000
29.75	42 x 102	88	150	18	18594	26269	29393	35254	37188
31.50	42 x 108	89	155	18	19688	27815	31122	37328	39375
16.00	48 x 48	84	84	20	10000	14128	15808	18960	20000
18.00	48 x 54	87	93	20	11250	15894	17784	21330	22500
20.00	48 x 60	88	100	20	12500	17660	19760	23700	25000
22.00	48 x 66	89	107	20	13750	19426	21736	26070	27500

Hoods wider than 98" will ship knocked down.

Insect Screens - Add .10 to area shown in table. Damper - Add .10 to area shown in table. Filters - Add .17 to area shown in table.



Gravity Intake 2:1 Ratio Cont.

Throat Area	Dimensional Data				Throat Velocity in FPM @ Static Pressure - Intake				
	Throat Size	Hood Size			312/625	441/883	592/998	592/1185	625/1250
		A x B	C	D	E	CFM @ Static Pressure - Intake			
					.050	.100	.125	.180	.200
24.00	48 x 72	92	116	20	15000	21192	23712	28440	30000
26.00	48 x 78	94	126	20	16250	22958	25688	30810	32500
28.00	48 x 84	95	131	20	17500	24724	27664	33180	35000
30.00	48 x 90	95	140	20	18750	26490	29640	35550	37500
32.00	48 x 96	96	144	20	20000	28256	31616	37920	40000
34.00	48 x 102	96	155	20	21250	30022	33592	40290	42500
36.00	48 x 108	95	165	20	22500	31788	35568	42660	45000
38.00	48 x 114	97	172	20	23750	33554	37544	45030	47500
20.25	54 x 54	95	95	23	12656	17881	20007	23996	25313
22.50	54 x 60	97	103	23	14063	19868	22230	26663	28125
24.75	54 x 66	98	110	23	15469	21854	24453	29329	30938
27.00	54 x 72	98	121	23	16875	23841	26676	31995	33750
29.25	54 x 78	98	124	23	18281	25828	28899	34661	36563
31.50	54 x 84	98	140	23	19688	27815	31122	37328	39375
33.75	54 x 90	98	150	23	21094	29801	33345	39994	42188
36.00	54 x 96	98	160	23	22500	31788	35568	42660	45000
38.25	54 x 102	98	170	23	23906	33775	37791	45326	47813
40.50	54 x 108	98	179	23	25313	35762	40014	47993	50625
42.75	54 x 114	98	179	25	26719	37748	42237	50659	53438
25.00	60 x 60	95	115	25	15625	22075	24700	29625	31250
27.50	60 x 66	96	124	25	17188	24283	27170	32588	34375
30.00	60 x 72	109	121	25	18750	26490	29640	35550	37500
32.50	60 x 78	111	131	25	20313	28698	32110	38513	40625
35.00	60 x 84	113	137	25	21875	30905	34580	41475	43750
37.50	60 x 90	114	140	25	23438	33113	37050	44438	46875
40.00	60 x 96	115	151	25	25000	35320	39520	47400	50000
42.50	60 x 102	115	155	25	26563	37528	41990	50363	53125
45.00	60 x 108	118	166	25	28125	39735	44460	53325	56250
47.50	60 x 114	118	175	25	29688	41943	46930	56288	59375
50.00	60 x 120	118	184	25	31250	44150	49400	59250	62500
30.25	66 x 66	98	134	25	18906	26711	29887	35846	37813
33.00	66 x 72	98	134	25	20625	29139	32604	39105	41250
35.75	66 x 78	117	136	25	22344	31567	35321	42364	44688
38.50	66 x 84	117	143	25	24063	33996	38038	45623	48125
41.25	66 x 90	117	150	25	25781	36424	40755	48881	51563
44.00	66 x 96	117	162	25	24500	38852	43472	52140	55000
46.75	66 x 102	117	173	26	29219	41280	46189	55399	58438
49.50	66 x 108	117	182	26	30938	43709	48906	58658	61875
52.25	66 x 114	117	193	26	32656	46137	51623	61916	65313
55.00	66 x 120	124	192	28	34375	48565	54340	65175	68750
57.75	66 x 126	130	192	28	36094	50993	57057	68434	72188
60.50	66 x 132	138	190	28	37813	53422	59774	71693	75625
36.00	72 x 72	117	137	25	22500	31788	35568	42660	45000
39.00	72 x 78	126	134	28	24375	34437	38532	46215	48750
42.00	72 x 84	130	142	29	26250	37086	41496	49770	52500
45.00	72 x 90	132	148	28	28125	39735	44460	53325	56250
48.00	72 x 96	133	157	29	30000	42384	47424	56880	60000
51.00	72 x 102	140	170	28	31875	45033	50388	60435	63750
54.00	72 x 108	136	172	29	33750	47682	53352	63990	67500
57.00	72 x 114	140	178	28	35625	50331	56316	67545	71250
60.00	72 x 120	139	187	29	37500	52980	59280	71100	75000
63.00	72 x 126	144	190	29	39375	55629	62244	74655	78750
66.00	72 x 132	144	198	29	41250	58278	65208	78210	82500
69.00	72 x 138	144	208	29	43125	60927	68172	81765	86250
72.00	72 x 144	144	216	29	45000	63576	71136	85320	90000

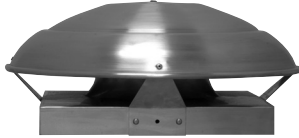
Hoods wider than 98" will ship knocked down.

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GRAVITY VENTILATORS SIZING



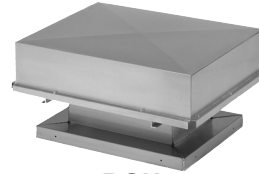
RCXII (sizes 6-20)



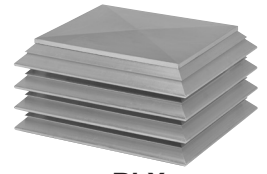
RCXII (sizes 24-36)



RCXII-SF



BGH



RLX

Sizing

The tables shown offer quick selections at common static pressure points. Selection choices vary widely due to field conditions and size choices. The following formulas are useful in making selections:

$$(A) \text{ Throat Area} = \frac{\text{CFM}}{\text{Velocity}}$$

$$(B) \text{ Throat Velocity} = \frac{\text{CFM}}{\text{Throat Area}}$$

$$(C) \text{ Velocity Pressure} = \left[\frac{\text{Throat Velocity}}{4005} \right]^2$$

(D) Determine new static pressure when CFM is known:

$$SP_2 = SP_1 \times \left[\frac{\text{CFM}_2}{\text{CFM}_1} \right]^2$$

CFM₂ = Specified airflow

CFM₁ = Known CFM from table selection

SP₂ = Static pressure to be determined

SP₁ = Static pressure in table corresponding to CFM

(Ex.) Determine new unknown CFM when static pressure is known:

$$\text{CFM}_2 = \text{CFM}_1 \times \left[\sqrt{\frac{SP_2}{SP_1}} \right]$$

CFM₂ = Unknown

CFM₁ = Catalog CFM

SP₂ = New static pressure where CFM is unknown

SP₁ = Known static pressure from known CFM (CFM₁)