



Product Catalogue

Melbourne

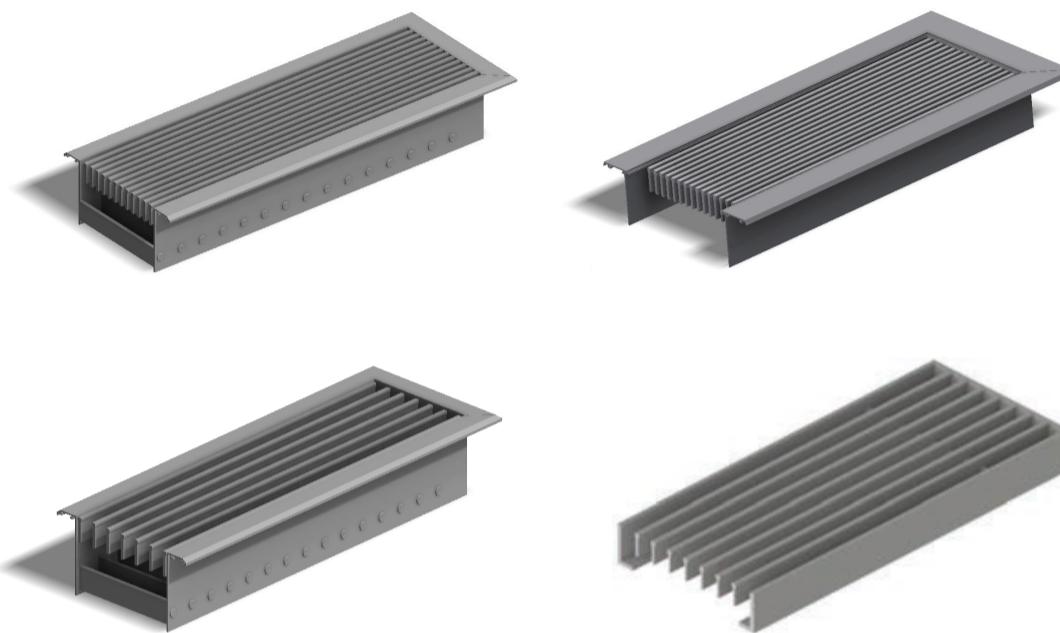


PRODUCT CATALOGUE

We Are Not Cool, Unless You Are Cool!



LINEAR BAR GRILLES



DESCRIPTION

Airlinx Linear Bar Grilles are designed for high performance applications and have been engineered to provide outstanding performance and versatility for air distribution in Supply Air, Return Air and Exhaust Air applications.

With an aesthetically pleasing design, Linear Bar Grilles are suitable for installation in Sidewall, Ceiling and Floor applications.

Airlinx have a wide range of core and frame style options providing versatility for all design and installation applications.

Linear Bar Grilles can be installed as individual sections or in a continuous line.

Typical installations are for residential, commercial and retail applications including homes, apartments, offices, hospitals, shops, hotels and restaurants.

Quality and Service at an affordable price



LINEAR BAR GRILLES

CONSTRUCTION

All Airlinx Linear Bar Grilles are manufactured from high quality extruded aluminum.

Standard stock sizes are available, however due to the multiple core, blade and frame style options available these are made to order in our factory.

CORE OPTIONS

Airlinx Linear Bar Grilles can be manufactured with a Fixed, Removable or Hinged Core and also with a filter where required for Return Air Applications.

ACCESSORIES

Available with optional opposed blade dampers, plain and insulated header boxes.

FINISH

Available as standard in White Powder Coat Finish.
Other Powder Coat finishes are also available.

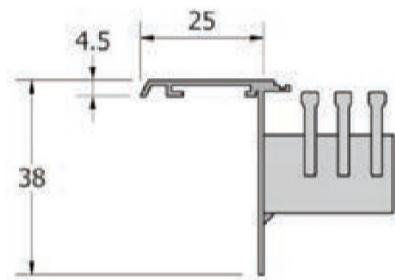
522 Princes Hwy, Noble Park North, Victoria 3174

Tel: 03 9790 0900 Email: Info@airlinx.com.au

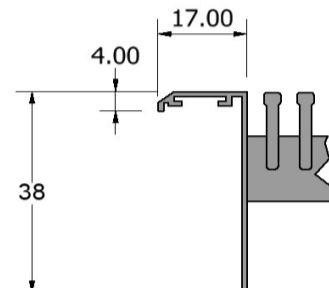


FRAME STYLE OPTIONS

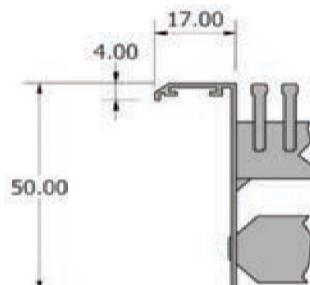
TYPE 1A



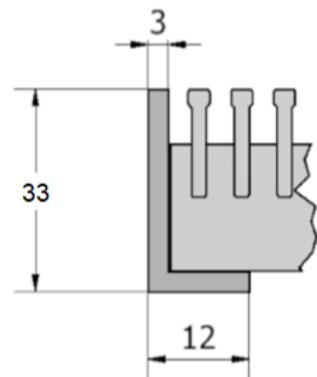
TYPE 2A



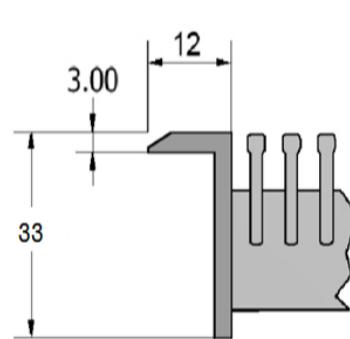
TYPE 2B



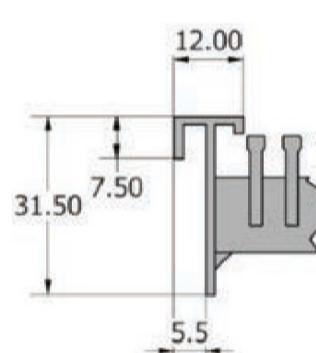
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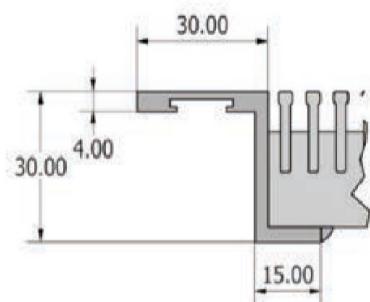
TYPE 3B



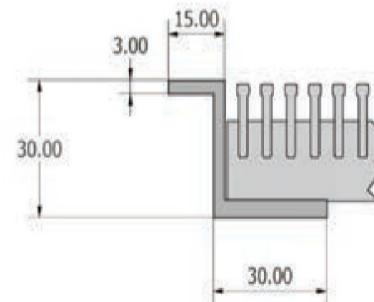
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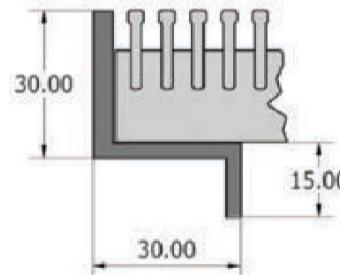
TYPE 5A



TYPE 5B



TYPE 5C

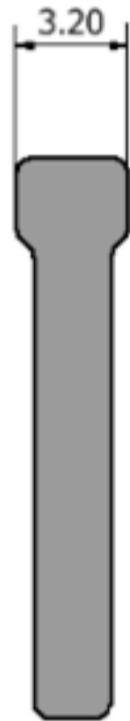


Quality and Service at an affordable price



BLADE PROFILE OPTIONS

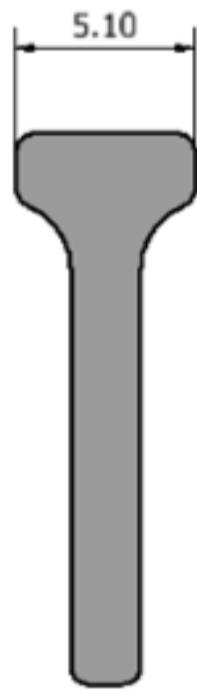
0 DEGREE



15 DEGREE



0 DEGREE HVY



30 DEGREE HVY



522 Princes Hwy, Noble Park North, Victoria 3174

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LINEAR BAR GRILLE: G-B600

DESCRIPTION

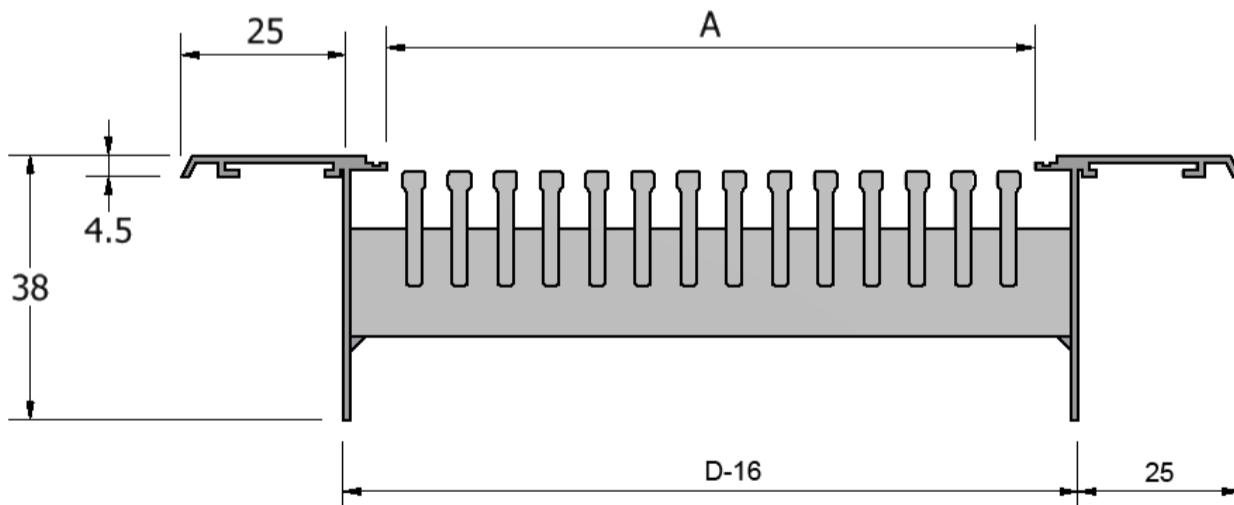
Slimline Bar Grille with Narrow Blade Spacing

6.35mm Blade Spacing

3.2mm Blade Width

0 Degree Deflection

Frame Style Options*: Type 1A, Type 2A, Type 3A, Type 3B, Type 4A



* see page 6 for additional details

Quality and Service at an affordable price



Linear Bar Grille selection data G-B600

bar spacer:6.35mm

		Linear Bar Grille																				
SIZE(mm) ΔP(Pa)	Item	50	63	75	88	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	47 5	500
2	Throw(m)	1	1.8	2	2.2	2.6	2.9	3.2	4	4.7	5.5	6.3	7	7.7	8.5	9.2	10	11	12	12	13	14
	Flow(L/S/M)	27	38	49	62	74	96	118	141	164	187	210	233	256	279	302	325	348	371	394	417	440
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Throw(m)	2.3	2.6	3.1	3.5	3.7	4.3	4.7	5.1	5.6	6	6.7	7.3	8	8.9	9.7	11	11	12	13	14	14
	Flow(L/S/M)	39	56	74	91	109	142	176	199	222	245	268	291	314	337	360	383	406	429	452	475	498
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	Throw(m)	2.8	3.5	4.1	4.5	4.9	5.2	5.8	6.7	7.6	8.6	9.5	10	11	12	13	14	15	16	17	17	18
	Flow(L/S/M)	56	79	101	126	151	193	239	262	285	308	331	354	377	400	423	446	469	492	515	538	561
	NC	-	-	-	-	15	15	17	18	19	19	21	22	23	23	25	26	27	27	29	30	31
15	Throw(m)	3.3	3.9	4.6	5.1	5.6	5.8	6.5	7.3	8.3	9.2	10	11	12	13	14	15	15	16	17	18	19
	Flow(L/S/M)	67	94	123	152	183	237	294	317	340	363	386	409	432	455	478	501	524	547	570	593	616
	NC	16	17	18	19	19	20	21	21	22	22	24	25	26	26	28	29	30	30	32	33	34
20	Throw(m)	3.9	4.7	5.2	5.8	6.3	6.7	7.3	8	9	10	11	12	13	13	14	15	16	17	18	19	19
	Flow(L/S/M)	79	106	135	164	195	249	306	329	352	375	398	421	444	467	490	513	536	559	582	605	628
	NC	19	20	21	22	23	23	25	26	27	27	29	30	32	32	34	35	36	36	38	40	41
25	Throw(m)	4.6	5.5	6.1	6.7	7.3	7.9	8.4	9	9.8	11	12	12	13	14	15	16	17	18	18	19	20
	Flow(L/S/M)	86	119	154	188	222	289	360	383	406	429	452	475	498	521	544	567	590	613	636	659	682
	NC	22	23	25	26	28	28	29	31	32	33	34	35	36	37	39	40	41	43	44	46	47
32	Throw(m)	5.5	6.2	6.9	7.5	8	8.8	9.4	9.8	11	11	12	13	14	15	16	17	18	18	19	20	21
	Flow(L/S/M)	98	136	176	218	261	337	418	441	464	487	510	533	556	579	602	625	648	671	694	717	740
	NC	27	28	29	30	31	31	33	34	36	37	39	41	42	43	45	46	48	50	51	52	54
42	Throw(m)	6.1	6.9	7.8	8.2	8.9	9.7	10	11	11	12	13	14	15	16	16	17	18	19	20	21	22
	Flow(L/S/M)	112	156	202	249	298	385	476	499	522	545	568	591	614	637	660	683	706	729	752	775	798
	NC	30	32	33	34	35	35	36	37	39	41	42	44	45	47	48	50	52	54	55	57	59
55	Throw(m)	6.7	7.3	9.1	9.7	10	11	12	12	13	13	14	14	15	16	17	18	19	20	21	22	23
	Flow(L/S/M)	128	178	229	283	338	435	539	562	585	608	631	654	677	700	723	746	769	792	815	838	861
	NC	34	35	36	37	38	38	40	41	43	45	46	48	50	51	53	55	57	59	60	62	64
60	Throw(m)	7.1	8.1	9.4	10	11	12	12	12	13	14	15	15	17	17	18	19	20	21	22	22	23
	Flow(L/S/M)	138	192	249	312	370	479	593	616	639	662	685	708	731	754	777	800	823	846	869	892	915
	NC	36	37	38	39	40	40	42	43	46	48	49	51	52	54	55	58	60	62	63	65	67
65	Throw(m)	7.5	8.7	9.7	10	11	12	13	13	13	14	15	16	17	18	19	20	20	21	22	23	24
	Flow(L/S/M)	142	195	253	316	372	482	598	621	645	669	692	715	740	761	785	807	830	851	876	901	922
	NC	37	38	39	40	41	42	43	44	48	50	51	53	54	56	57	60	61	63	65	67	70

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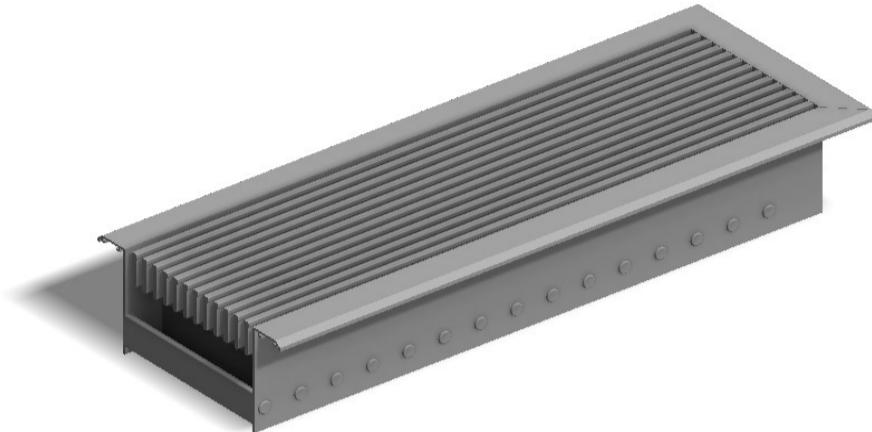


Notes

1. Free Area(m²):grill free area;
2. ΔP (Pa):total pressure drop;
3. Throw(m) :throw to a terminal;
4. Flow(L/S/M) :flow rate(Liter/Second/Meter);
5. NC:the NC values are based on a 10 dB room sound absorption level.re $10^{-12} W$;

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LINEAR BAR GRILLE: G-BA600

DESCRIPTION

Same as G-B600 however with additional Rear Adjustable Blades allowing air-flow to be directed horizontally, left and right at 0-90°

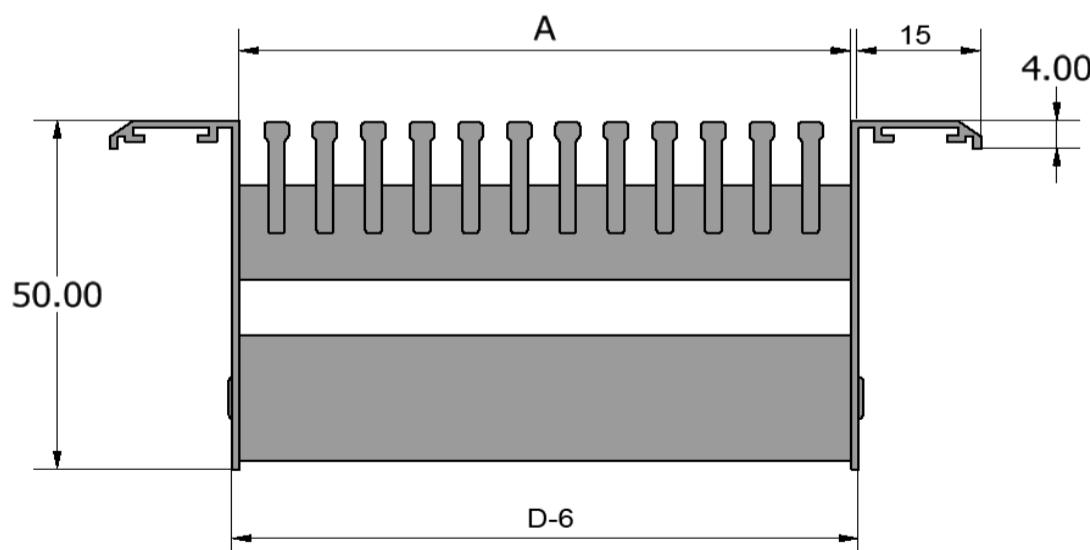
6.35mm Blade Spacing

3.2mm Blade Width

0 Degree Blade Deflection

Front Blades Fixed

Frame Style Options*: Type 2B



* see page 6 for additional details

Quality and Service at an affordable price



LINEAR BAR GRILLE: G-B615

DESCRIPTION

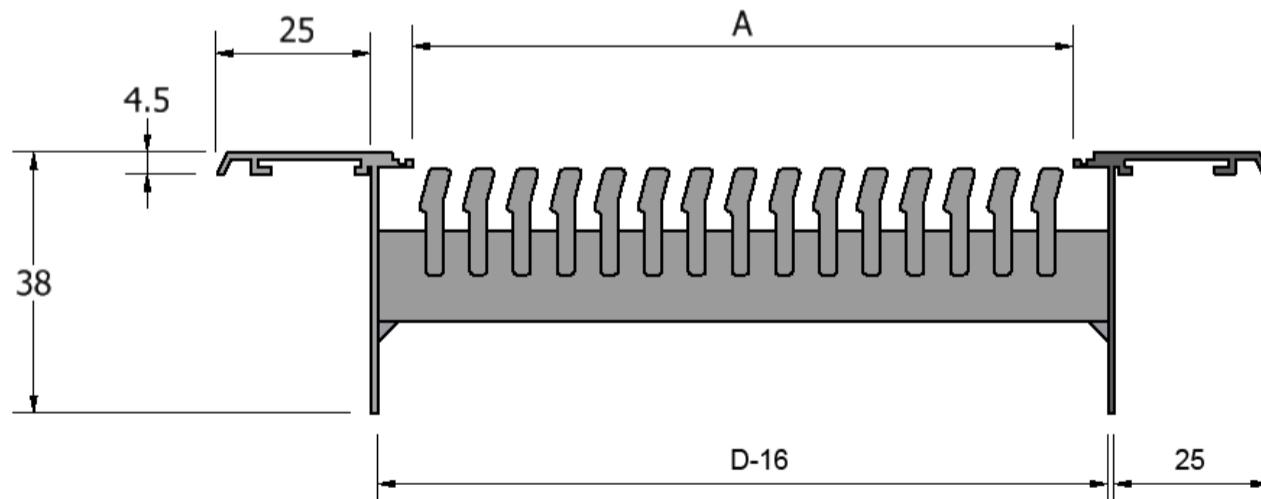
Slimline Bar Grille with Narrow Blade Spacing

6.35mm Blade Spacing

3.2mm Blade Width

15 Degree Blade Deflection

Frame Style Options*: Type 1A, Type 2A, Type 3A, Type 3B, Type 4A



* see page 6 for additional details

Quality and Service at an affordable price



Linear Bar Grille selection data G-B615

bar spacer:6.25mm

		Linear Bar Grille																				
SIZE(mm) $\Delta P(Pa)$	Item	50	62.5	75	87.5	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500
	Throw(m)	1.1	1.5	1.9	2.1	2.2	2.9	3.2	3.7	4.4	4.7	5.3	5.8	6.3	6.8	7.3	7.9	8.4	8.7	9.4	9.8	10.4
2	Flow(L/S/M)	25	34	44	56	66	89	109	131	152	175	195	215	236	258	280	301	320	343	361	385	406
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Throw(m)	1.6	1.9	2.1	2.3	2.4	3.1	3.4	4.1	4.4	5.1	5.6	6.1	6.4	6.9	7.6	8.0	8.4	8.9	9.6	10.1	10.6
5	Flow(L/S/M)	35	44	54	64	77	99	119	142	163	185	205	227	249	267	291	311	331	352	372	395	414
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Throw(m)	2.9	3.2	3.5	3.9	4.2	4.6	4.9	5.4	5.8	6.1	6.3	6.7	7.1	7.5	7.7	8.1	8.5	8.8	9.3	9.7	9.8
10	Flow(L/S/M)	53	68	84	99	117	149	179	211	244	274	307	339	369	400	432	463	496	528	558	590	620
	NC	16	15	15	16	17	18	18	20	20	21	20	22	21	23	23	23	24	25	26	25	26
	Throw(m)	3.5	3.9	4.1	4.6	5.1	5.7	6	6.6	7.0	7.5	7.9	8.4	8.9	9.2	9.6	10.2	10.7	11.0	11.6	12.1	12.5
15	Flow(L/S/M)	65	85	107	127	151	193	236	283	324	366	408	451	496	536	582	622	665	706	751	794	836
	NC	22	21	22	22	23	24	24	26	26	27	27	27	28	30	30	30	32	31	33		
	Throw(m)	4.2	4.5	5	5.4	6	6.3	7	7.6	8.1	8.6	9.1	9.5	10.1	10.5	11.2	11.7	12.1	12.7	13.1	13.6	14.2
20	Flow(L/S/M)	76	99	125	152	180	235	285	339	392	444	496	547	599	655	706	759	811	860	914	966	1017
	NC	26	25	26	26	27	28	28	29	30	30	31	32	31	32	34	33	35	36	35	36	36
	Throw(m)	4.8	5.1	5.6	6.1	6.6	6.9	7.6	8.2	8.8	9.1	9.8	10.2	10.7	11.3	11.7	12.2	12.6	13.3	13.7	14.1	14.8
25	Flow(L/S/M)	82	106	133	159	187	243	295	351	405	456	512	563	616	669	722	775	831	883	934	989	1043
	NC	31	32	31	31	32	32	33	34	35	35	35	37	37	38	39	39	38	40	39	40	41
	Throw(m)	5.3	5.7	6.4	7.1	7.7	8.3	8.7	9.2	9.8	10.2	10.8	11.3	11.8	12.4	12.8	13.2	13.9	14.3	14.9	15.3	15.9
32	Flow(L/S/M)	97	131	153	204	244	319	393	469	542	619	690	767	837	912	988	1059	1134	1211	1282	1358	1431
	NC	33	32	33	33	34	35	35	36	37	37	39	39	39	40	40	40	41	41	42	42	43
	Throw(m)	6.1	6.5	7.3	8	8.5	9	9.5	10.0	10.5	11.2	11.7	12.2	12.7	13.2	13.7	14.1	14.6	15.1	15.7	16.2	16.7
42	Flow(L/S/M)	115	149	170	221	261	335	411	487	562	634	707	782	858	931	1004	1079	1151	1225	1301	1374	1448
	NC	38	37	48	48	39	40	40	41	43	43	42	44	44	44	45	46	46	47	48	47	49
	Throw(m)	6.5	7.5	8.2	8.8	9.2	9.8	10.5	11.2	11.9	12.7	13.1	13.8	14.5	15.1	15.9	16.4	17.1	17.8	18.5	19.0	19.7
55	Flow(L/S/M)	127	167	210	253	409	533	654	789	918	1051	1184	1316	1445	1578	1709	1840	1975	2107	2236	2368	2502
	NC	40	40	41	41	42	42	42	43	44	45	45	45	47	46	48	48	48	49	49	50	
	Throw(m)	6.8	7.8	8.4	8.9	9.6	10.4	11.2	12.1	12.9	13.7	14.5	15.4	16.2	16.8	17.8	18.6	19.2	20.1	20.8	21.7	22.5
60	Flow(L/S/M)	133	177	226	273	338	421	515	611	707	805	898	995	1092	1186	1279	1377	1473	1566	1663	1759	1855
	NC	42	42	42	42	43	44	44	45	46	46	48	47	48	49	49	49	50	51	51	51	51
	Throw(m)	7	8	8.6	9.3	9.9	10.7	11.5	12.5	13.1	14.1	14.7	15.6	16.5	17.3	18.0	18.7	19.5	20.5	21.1	22.1	22.8
65	Flow(L/S/M)	139	183	231	280	345	428	524	623	717	816	910	1006	1104	1200	1294	1394	1487	1583	1682	1777	1875
	NC	44	44	44	45	45	46	46	48	48	48	49	50	51	50	51	52	52	53	54	53	

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LINEAR BAR GRILLE: G-B615

DESCRIPTION

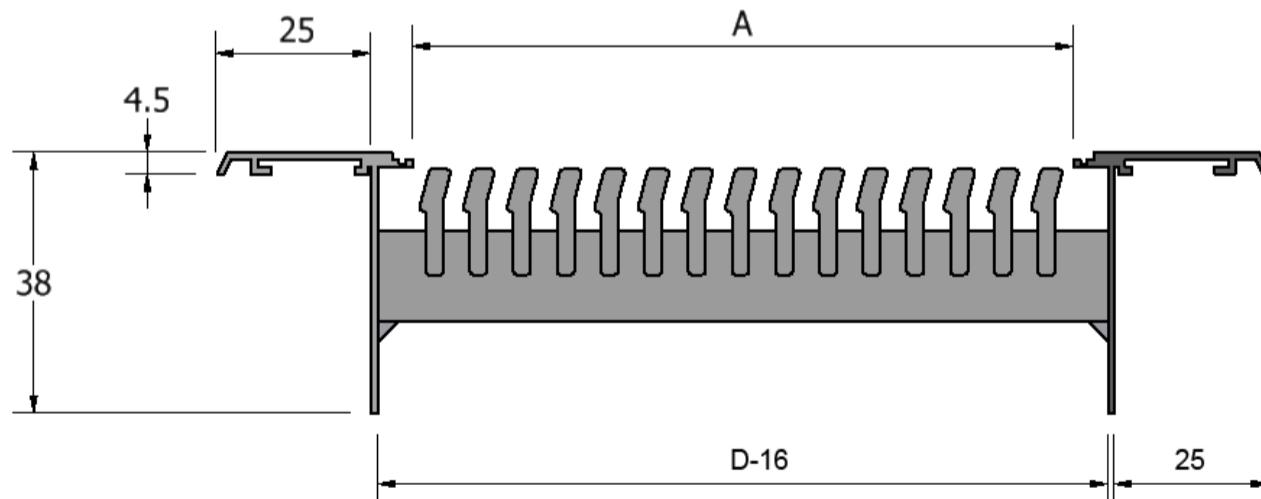
Slimline Bar Grille with Narrow Blade Spacing

6.35mm Blade Spacing

3.2mm Blade Width

15 Degree Blade Deflection

Frame Style Options*: Type 1A, Type 2A, Type 3A, Type 3B, Type 4A



* see page 6 for additional details

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Linear Bar Grille selection data G-B615

bar spacer:6.25mm

		Linear Bar Grille																				
SIZE(mm) $\Delta P(Pa)$	Item	50	62.5	75	87.5	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500
	Throw(m)	1.1	1.5	1.9	2.1	2.2	2.9	3.2	3.7	4.4	4.7	5.3	5.8	6.3	6.8	7.3	7.9	8.4	8.7	9.4	9.8	10.4
2	Flow(L/S/M)	25	34	44	56	66	89	109	131	152	175	195	215	236	258	280	301	320	343	361	385	406
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Throw(m)	1.6	1.9	2.1	2.3	2.4	3.1	3.4	4.1	4.4	5.1	5.6	6.1	6.4	6.9	7.6	8.0	8.4	8.9	9.6	10.1	10.6
5	Flow(L/S/M)	35	44	54	64	77	99	119	142	163	185	205	227	249	267	291	311	331	352	372	395	414
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Throw(m)	2.9	3.2	3.5	3.9	4.2	4.6	4.9	5.4	5.8	6.1	6.3	6.7	7.1	7.5	7.7	8.1	8.5	8.8	9.3	9.7	9.8
10	Flow(L/S/M)	53	68	84	99	117	149	179	211	244	274	307	339	369	400	432	463	496	528	558	590	620
	NC	16	15	15	16	17	18	18	20	20	21	20	22	21	23	23	23	24	25	26	25	26
	Throw(m)	3.5	3.9	4.1	4.6	5.1	5.7	6	6.6	7.0	7.5	7.9	8.4	8.9	9.2	9.6	10.2	10.7	11.0	11.6	12.1	12.5
15	Flow(L/S/M)	65	85	107	127	151	193	236	283	324	366	408	451	496	536	582	622	665	706	751	794	836
	NC	22	21	22	22	23	24	24	26	26	27	27	27	27	28	30	30	30	32	31	33	33
	Throw(m)	4.2	4.5	5	5.4	6	6.3	7	7.6	8.1	8.6	9.1	9.5	10.1	10.5	11.2	11.7	12.1	12.7	13.1	13.6	14.2
20	Flow(L/S/M)	76	99	125	152	180	235	285	339	392	444	496	547	599	655	706	759	811	860	914	966	1017
	NC	26	25	26	26	27	28	28	29	30	30	31	32	31	32	34	33	33	35	36	35	36
	Throw(m)	4.8	5.1	5.6	6.1	6.6	6.9	7.6	8.2	8.8	9.1	9.8	10.2	10.7	11.3	11.7	12.2	12.6	13.3	13.7	14.1	14.8
25	Flow(L/S/M)	82	106	133	159	187	243	295	351	405	456	512	563	616	669	722	775	831	883	934	989	1043
	NC	31	32	31	31	32	32	33	34	35	35	35	37	37	38	39	39	38	40	39	40	41
	Throw(m)	5.3	5.7	6.4	7.1	7.7	8.3	8.7	9.2	9.8	10.2	10.8	11.3	11.8	12.4	12.8	13.2	13.9	14.3	14.9	15.3	15.9
32	Flow(L/S/M)	97	131	153	204	244	319	393	469	542	619	690	767	837	912	988	1059	1134	1211	1282	1358	1431
	NC	33	32	33	33	34	35	35	36	37	37	39	39	39	40	40	41	41	42	42	43	43
	Throw(m)	6.1	6.5	7.3	8	8.5	9	9.5	10.0	10.5	11.2	11.7	12.2	12.7	13.2	13.7	14.1	14.6	15.1	15.7	16.2	16.7
42	Flow(L/S/M)	115	149	170	221	261	335	411	487	562	634	707	782	858	931	1004	1079	1151	1225	1301	1374	1448
	NC	38	37	48	48	39	40	40	41	43	43	42	44	44	44	45	46	46	47	48	47	49
	Throw(m)	6.5	7.5	8.2	8.8	9.2	9.8	10.5	11.2	11.9	12.7	13.1	13.8	14.5	15.1	15.9	16.4	17.1	17.8	18.5	19.0	19.7
55	Flow(L/S/M)	127	167	210	253	409	533	654	789	918	1051	1184	1316	1445	1578	1709	1840	1975	2107	2236	2368	2502
	NC	40	40	41	41	42	42	42	43	44	45	45	45	47	46	48	48	48	49	49	50	50
	Throw(m)	6.8	7.8	8.4	8.9	9.6	10.4	11.2	12.1	12.9	13.7	14.5	15.4	16.2	16.8	17.8	18.6	19.2	20.1	20.8	21.7	22.5
60	Flow(L/S/M)	133	177	226	273	338	421	515	611	707	805	898	995	1092	1186	1279	1377	1473	1566	1663	1759	1855
	NC	42	42	42	42	43	44	44	45	46	46	48	47	48	49	49	49	50	51	51	51	51
	Throw(m)	7	8	8.6	9.3	9.9	10.7	11.5	12.5	13.1	14.1	14.7	15.6	16.5	17.3	18.0	18.7	19.5	20.5	21.1	22.1	22.8
65	Flow(L/S/M)	139	183	231	280	345	428	524	623	717	816	910	1006	1104	1200	1294	1394	1487	1583	1682	1777	1875
	NC	44	44	44	45	45	46	46	48	48	48	49	50	51	50	51	52	52	52	53	54	53

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Notes

1. Free Area(m^2): grill free area;
2. ΔP (Pa): total pressure drop;
3. Throw(m) : throw to a terminal;
4. Flow(L/S/M) : flow rate(Liter/Second/Meter);
5. NC: the NC values are based on a 10 dB room sound absorption level.re $10^{-12} W$;

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LINEAR BAR GRILLE: G-BA615

DESCRIPTION

Same as [G-B615](#) however with additional Rear Adjustable Blades allowing air-flow to be directed horizontally, left and right at 0-90°

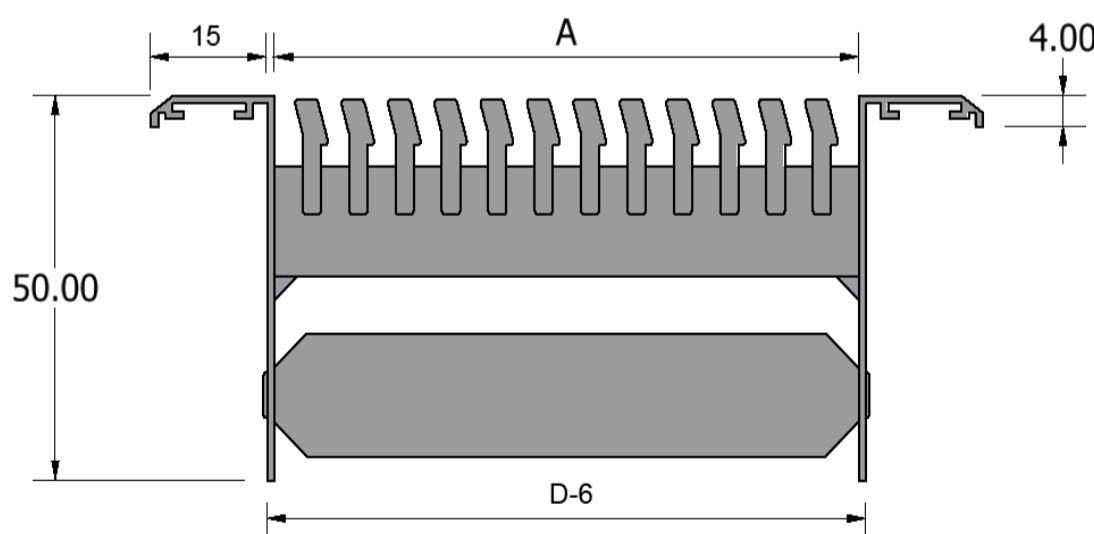
6.35mm Blade Spacing

3.2mm Blade Width

15 Degree Blade Deflection

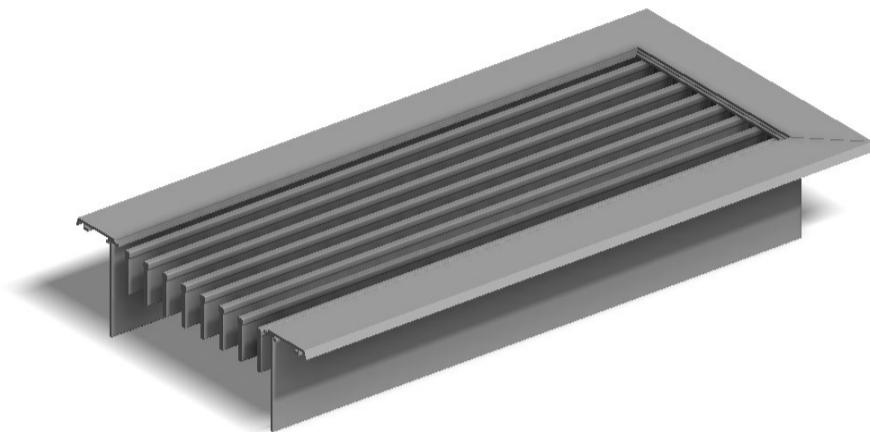
Front Blades Fixed

[Frame Style Options*](#): Type 2B



* see page 6 for additional details

Quality and Service at an affordable price



LINEAR BAR GRILLE: G-B1200

DESCRIPTION

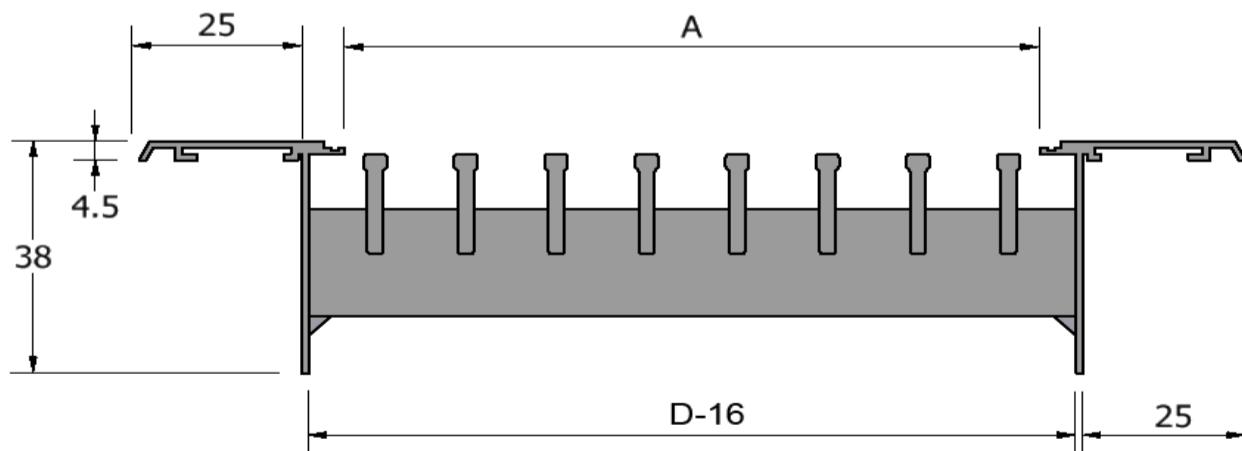
Slimline Bar Grille with Standard Blade Spacing

12.5mm Blade Spacing

3.2mm Blade Width

0 Degree Blade Deflection

Frame Style Options*: Type 1A, Type 2A, Type 3A, Type 3B, Type 4A



* see page 6 for additional details

Quality and Service at an affordable price



Linear Bar Grille selection data G-B1200

bar spacer:12.5mm

		Linear Bar Grille																				
SIZE(mm) ΔP(Pa)	Item	50	63	75	88	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500
2	Throw(m)	1.3	1.6	2.1	2.5	2.6	3	3.5	4.2	4.9	5.6	6.4	7.1	7.8	8.7	9.4	10.2	10.9	11.6	12.3	13.1	13.8
	Flow(L/S/M)	30	42	55	65	78	108	133	156	181	206	231	266	291	316	341	366	391	416	441	466	493
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Throw(m)	2.1	2.9	3.6	3.8	4.1	4	5.1	5.6	6.1	6.7	7.2	7.7	8.4	8.9	9.5	10.3	11.2	11.7	12.5	13.6	14.6
	Flow(L/S/M)	50	67	89	106	127	161	201	241	280	322	362	401	442	483	520	561	600	639	679	720	761
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	Throw(m)	3.7	4	4.4	4.5	5.2	5.9	6.3	7	7.8	8.7	9.7	10.6	11.5	12.4	13.3	14.1	14.9	15.8	16.6	17.5	18.3
	Flow(L/S/M)	72	96	122	148	176	226	281	332	384	436	489	542	596	644	694	750	802	856	909	959	1005
	NC	13	13	13	14	14	14	15	15	15	16	16	17	17	18	18	18	19	19	20	21	22
15	Throw(m)	4.4	4.9	5.3	6.1	6.3	6.9	7.5	8.3	8.9	9.8	11.5	12.3	13	13.8	14.7	15.7	16.5	17.2	17.9	18.7	19.6
	Flow(L/S/M)	84	113	147	178	213	272	340	404	469	532	594	656	721	785	847	909	972	1037	1102	1166	1231
	NC	17	17	17	17	18	18	19	20	20	21	21	22	22	23	23	24	24	25	26	26	
20	Throw(m)	5.2	5.6	6.2	7.1	7.6	7.3	8.8	9.6	10.4	11.3	12	12.8	13.5	14.3	15.1	16	16.8	17.7	18.5	19.3	20.1
	Flow(L/S/M)	100	132	175	212	251	330	409	490	571	654	735	816	897	977	1061	1141	1223	1307	1388	1469	1551
	NC	22	22	22	23	23	23	24	24	24	25	25	25	26	26	26	27	27	27	28	28	
25	Throw(m)	5.5	6.1	6.9	7.4	8.1	8.6	9.7	10.6	11.4	12.2	13	13.8	14.7	15.6	16.5	17.3	18	18.8	19.7	20.5	21.2
	Flow(L/S/M)	113	155	201	247	297	383	475	562	649	734	820	907	995	1081	1166	1254	1339	1425	1513	1599	1686
	NC	25	25	26	26	26	27	27	28	28	28	29	29	29	30	30	31	31	32	32	33	
32	Throw(m)	5.9	6.9	7.9	8.5	9.1	9.7	10.3	11.1	12	12.8	13.6	14.5	15.4	16.2	17	17.9	18.7	19.5	20.4	21.3	22.2
	Flow(L/S/M)	128	175	230	280	334	437	541	646	752	859	966	1072	1178	1286	1391	1496	1602	1709	1816	1922	2029
	NC	27	27	28	28	29	29	29	30	30	30	31	31	32	32	33	33	34	35	35	35	
42	Throw(m)	6.7	8.1	9.1	10.1	10.5	11.1	12	12.9	13.8	14.7	15.5	16.3	17.1	18	18.9	19.8	20.7	21.3	22.2	23.1	24.1
	Flow(L/S/M)	143	195	257	332	378	489	606	722	840	954	1071	1187	1303	1420	1536	1654	1768	1883	1998	2114	2230
	NC	33	33	34	34	34	35	35	35	36	36	37	37	38	38	39	39	40	40	41	42	
55	Throw(m)	7.4	9.3	9.8	10.9	11.4	12.3	13.1	13.9	14.8	15.7	16.6	17.4	18.2	19	19.8	20.6	21.5	22.3	23.1	24	24.9
	Flow(L/S/M)	168	226	295	355	427	551	681	810	939	1069	1198	1328	1455	1583	1712	1842	1973	2100	2227	2357	2488
	NC	35	35	36	36	36	37	37	38	38	39	39	39	40	41	41	42	42	43	43	44	
60	Throw(m)	7.9	9.9	10.4	11.4	11.9	12.9	13.6	14.5	15.3	16.3	17.3	17.9	18.7	19.8	20.4	21.2	22.2	22.9	23.8	24.7	25.8
	Flow(L/S/M)	173	231	300	360	432	556	685	814	946	1078	1212	1346	1477	1609	1744	1875	2007	2138	2271	2403	2535
	NC	36	36	37	37	38	38	39	39	40	40	41	41	42	42	43	43	44	44	45	46	
65	Throw(m)	8.4	10.5	10.9	11.9	12.6	13.5	14.1	15.3	16	17	18	18.5	19.2	20.3	20.9	21.7	22.7	23.5	24.5	25.3	26.7
	Flow(L/S/M)	181	240	308	369	441	564	694	826	958	1088	1220	1350	1481	1612	1744	1876	2005	2136	2265	2395	2524
	NC	37	37	38	38	39	39	42	42	43	43	44	44	45	45	46	46	47	47	48		

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Notes

1. Free Area(m^2):grill free area;
2. ΔP (Pa):total pressure drop;
3. Throw(m) :throw to a terminal;
4. Flow(L/S/M) :flow rate(Liter/Second/Meter);
5. NC:the NC values are based on a 10 dB room sound absorption level.re $10^{-12} W$;

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LINEAR BAR GRILLE: G-BA1200

DESCRIPTION

Same as [G-B1200](#) however with additional Rear Adjustable Blades allowing airflow to be directed horizontally, left and right at 0-90°

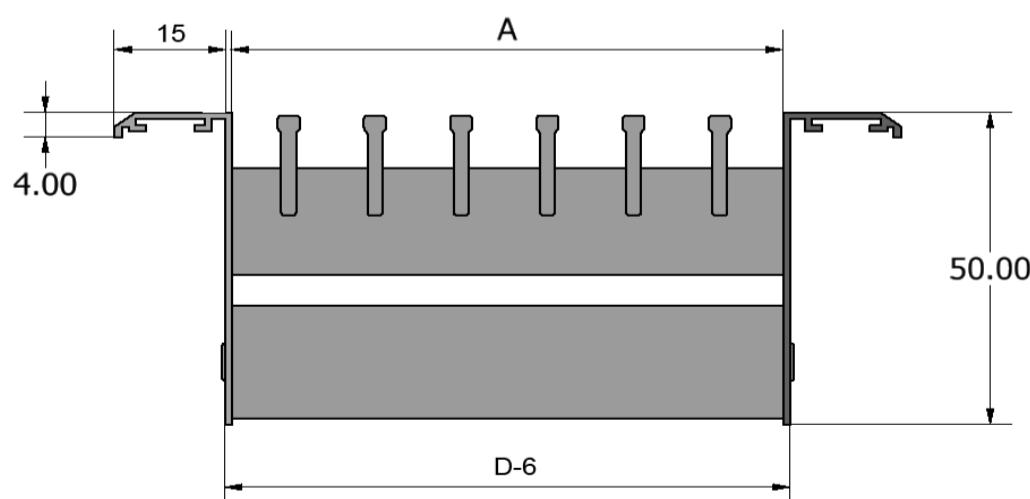
12.5mm Blade Spacing

3.2mm Blade Width

0 Degree Blade Deflection

Front Blades Fixed

[Frame Style Options](#)*: Type 2B



* see page 6 for additional details

Quality and Service at an affordable price



LINEAR BAR GRILLE: G-BH1200

DESCRIPTION

Model: G-BH1200 is designed for Wall or Floor Mounted applications where a stronger grille is required and is suitable for foot trafficable areas.

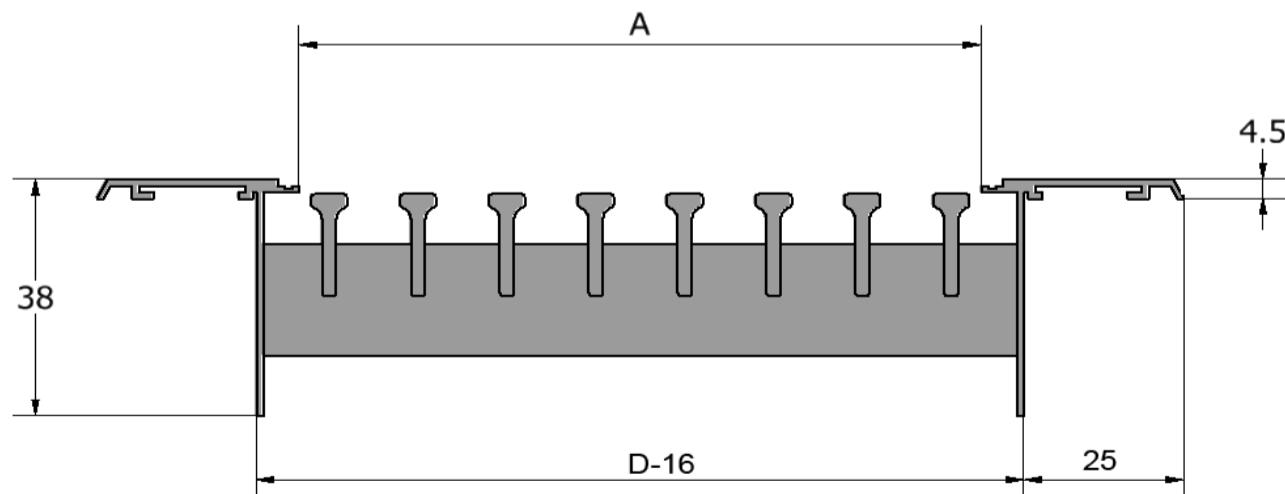
Same design as G-B1200 however the blades are of a heavier construction at 5.1mm wide x 16mm deep.

12.5mm Blade Spacing

5.1mm Blade Width

0 Degree Blade Deflection

Frame Style Options*: Type 1A, Type 3B, Type 5A, Type 5B, Type 5C



* see page 6 for additional details

Quality and Service at an affordable price



Linear Bar Grille selection data G-BH1200(G-BHF1200)

bar spacer:12.5mm

		Linear Bar Grille																				
SIZE(mm) ΔP(Pa)	Item	50	63	75	88	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500
2	Throw(m)	1.2	1.6	2	2.1	2.3	2.9	3.3	3.9	4.3	5.0	5.5	6.0	6.5	6.8	7.3	7.8	8.4	9.0	9.5	10.0	10.4
	Flow(L/S/M)	24	36	50	64	78	106	132	162	189	214	243	271	297	322	350	378	405	430	457	484	511
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Throw(m)	2.4	2.6	3	3.5	3.8	4.1	4.8	5.4	5.9	6.5	6.9	7.5	7.8	8.4	8.9	9.4	10.0	10.5	10.8	11.4	12.0
	Flow(L/S/M)	38	54	88	98	120	160	202	243	285	329	367	410	452	491	532	573	616	653	698	739	776
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	Throw(m)	3.5	3.8	4.4	4.9	5.2	5.8	6.1	6.6	7.1	7.6	8.0	8.4	8.9	9.5	9.7	10.2	10.6	11.1	11.6	12.2	12.5
	Flow(L/S/M)	55	83	110	137	165	221	277	335	389	445	502	558	613	666	722	779	835	891	944	1000	1055
	NC	13	14	15	16	17	17	19	22	23	24	25	27	30	30	32	34	35	36	38	39	40
15	Throw(m)	4.4	4.8	5.1	5.9	6.3	6.6	7.2	7.7	8.3	8.7	9.1	9.5	10.0	10.4	11.0	11.3	11.8	12.3	12.8	13.2	13.5
	Flow(L/S/M)	67	98	133	168	203	217	343	416	484	553	621	692	760	829	899	966	1036	1105	1173	1243	1312
	NC	17	19	20	21	22	23	24	27	28	30	32	34	35	37	38	42	43	45	47	49	50
20	Throw(m)	4.8	5.3	6.2	6.8	7.4	8	8.6	9.2	10.0	10.4	11.1	11.6	12.3	12.9	13.6	14.1	14.8	15.4	15.9	16.6	17.2
	Flow(L/S/M)	78	110	144	179	214	282	352	421	493	561	628	697	766	834	903	969	1040	1107	1177	1244	1313
	NC	20	22	23	24	25	26	27	30	32	34	35	37	39	41	42	43	46	46	50	51	52
25	Throw(m)	5.2	5.7	6.6	7.2	7.8	8.5	9.1	9.8	10.5	11.1	11.7	12.5	13.1	13.7	14.5	15.1	15.8	16.3	17.1	17.7	18.4
	Flow(L/S/M)	88	126	168	209	252	333	416	501	583	664	748	829	910	992	1076	1156	1237	1321	1400	1485	1565
	NC	24	26	27	28	28	30	31	34	35	36	39	40	43	45	47	47	49	50	52	54	57
32	Throw(m)	5.9	6.5	7.5	7.9	8.5	9.4	10.2	11.2	12.0	12.9	13.7	14.6	15.5	16.2	17.1	17.9	18.7	19.6	20.6	21.3	22.2
	Flow(L/S/M)	99	143	192	240	289	385	482	579	677	773	867	965	1057	1155	1250	1347	1442	1538	1632	1730	1823
	NC	28	30	30	31	32	33	35	38	40	42	43	46	46	48	49	52	54	56	57	59	61
42	Throw(m)	6.5	7.7	8.3	9.1	9.4	10.3	10.9	11.8	12.5	13.3	14.0	14.8	15.6	16.2	17.0	17.8	18.6	19.2	19.9	20.7	21.6
	Flow(L/S/M)	114	167	221	275	333	442	553	664	773	883	994	1106	1213	1325	1433	1544	1652	1764	1870	1983	2093
	NC	32	34	35	36	37	38	39	43	43	45	47	48	50	53	54	56	57	59	62	62	64
55	Throw(m)	7.5	8.8	9.7	10.5	10.8	11.5	12.4	13.4	14.1	14.8	15.7	16.6	17.4	18.2	18.8	19.7	20.6	21.4	22.0	22.9	23.8
	Flow(L/S/M)	131	189	250	312	375	498	634	762	888	1015	1140	1265	1390	1517	1641	1768	1894	2020	2144	2272	2397
	NC	36	38	39	39	40	41	42	44	46	47	48	50	51	54	56	57	57	60	62	63	63
60	Throw(m)	7.5	8.9	10.2	11	11.6	12.4	13.3	14.3	15.2	16.0	16.9	17.8	18.6	19.3	20.2	21.0	22.0	22.7	23.7	24.4	25.3
	Flow(L/S/M)	137	203	270	338	400	547	686	827	961	1100	1237	1374	1510	1651	1785	1921	2062	2197	2334	2471	2611
	NC	37	39	40	41	42	43	44	47	48	49	52	55	55	57	59	61	62	65	66	68	70
65	Throw(m)	7.8	9.1	10.4	11.3	12	12.7	13.7	14.7	15.6	16.5	17.1	18.0	18.9	19.7	20.5	21.4	22.4	23.1	24.1	24.8	25.8
	Flow(L/S/M)	143	208	275	344	405	552	691	828	969	1104	1242	1380	1515	1652	1789	1927	2062	2200	2337	2475	2609
	NC	39	40	42	43	44	45	45	48	50	51	52	54	56	56	58	60	62	62	65	66	67

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LINEAR BAR GRILLE: G-BH2500

DESCRIPTION

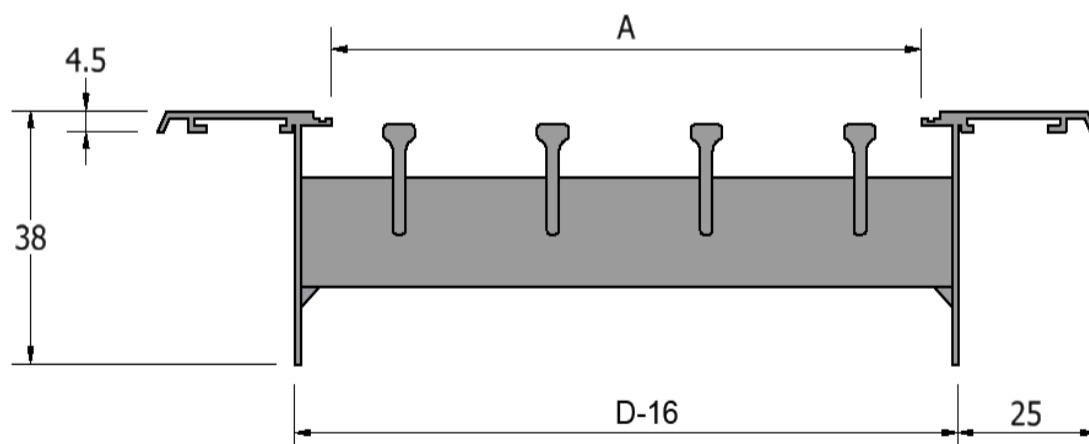
Model G-BH2500 is designed for Return and Exhaust Applications requiring a greater free area for higher air volumes. Blades are spaced at 25mm and are of heavier construction at 5.1mm wide x 16mm deep. Suitable for applications where a stronger grille is required including applications such as Car Park Exhaust Grilles or Stadium R/Air Grilles.

25mm Blade Spacing

5.1mm Blade Width

0 Degree Blade Deflection

Frame Style Options*: Type 1A, Type 3B, Type 5A, Type 5B, Type 5C



* see page 6 for additional details

Quality and Service at an affordable price



Linear Bar Grille selection data G-BH2500

bar spacer:25mm

SIZE(mm)			Item2	Linear Bar Grille																			
Item1		Free Area Velocity P(m/s)		150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000		
2.25	4	9	Flow(L/S/M)	45	75	115	128	222	315	401	486	529	572	733	893	1072	1251	1422	1592	1762	1932		
			NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2.9	5	14	Flow(L/S/M)	53	99	157	187	301	415	539	663	721	779	986	1193	1423	1653	1904	2154	2394	2634	NC20-NC30	
			NC	12	12	13	13	14	14	15	15	16	16	17	18	19	20	21	21	22	23		
3.25	6	15	Flow(L/S/M)	62	112	163	220	359	498	605	712	824	935	1184	1432	1707	1982	2198	2413	2626	2839	NC30-NC40	
			NC	16	17	17	18	19	19	19	20	21	21	21	21	21	22	23	25	26	26		
3.8	8	22	Flow(L/S/M)	71	139	208	275	445	615	759	902	1044	1185	1485	1785	2127	2468	2754	3040	3332	3623	>NC40	
			NC	14	15	17	19	20	20	22	23	24	24	25	25	26	26	28	29	30	31		
4.32	11	28	Flow(L/S/M)	79	152	230	303	493	683	837	991	1147	1302	1644	1986	2366	2746	3054	3362	3672	3981	>NC40	
			NC	15	17	21	22	23	24	27	29	30	30	30	30	31	31	32	32	33	33		
4.93	14	35	Flow(L/S/M)	89	175	262	350	565	780	959	1138	1315	1491	1880	2268	2700	3131	3486	3841	4196	4550	>NC40	
			NC	17	21	23	24	27	30	31	31	32	32	33	33	33	33	34	34	35	35		
5.52	18	43	Flow(L/S/M)	100	201	301	398	645	892	1099	1305	1513	1721	2156	2591	3082	3572	3987	4401	4821	5240	>NC40	
			NC	21	23	25	30	31	31	32	32	33	34	34	34	35	35	35	35	36	37		
6.25	23	56	Flow(L/S/M)	115	216	318	419	677	935	1140	1345	1552	1759	2224	2689	3205	3721	4137	4552	4971	5390	>NC40	
			NC	24	27	32	33	34	35	35	35	37	38	38	38	39	39	39	39	42	44		
6.52	26	62	Flow(L/S/M)	121	230	235	447	729	1010	1231	1451	1676	1901	2416	2931	3496	4060	4485	4910	5353	5796	>NC40	
			NC	25	30	32	33	34	35	35	35	36	37	38	38	38	38	39	40	41	41		
7.89	38	85	Flow(L/S/M)	143	272	405	537	869	1200	1473	1745	2008	2270	2886	3501	4145	4789	5301	5812	6385	6958	>NC40	
			NC	30	32	35	38	39	39	40	41	42	43	44	44	45	45	46	46	47	47		

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Notes

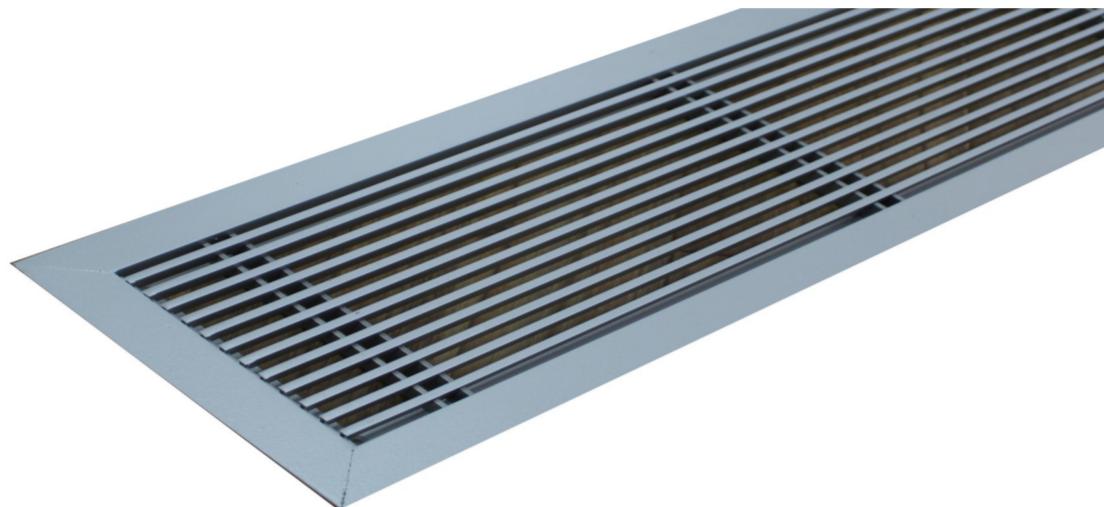
1. Free Area(m^2):grill free area;
2. ΔP (Pa):total pressure drop;
3. Throw(m) :throw to a terminal;
4. Flow(L/S/M) :flow rate(Liter/Second/Meter);
5. NC:the NC values are based on a 10 dB room sound absorption level.re $10^{-12} W$;

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HEAVY DUTY FLOOR GRILLE



DESCRIPTION

Airlinx Linear Heavy Duty Floor Grilles are designed for high performance applications and have been engineered to provide outstanding performance and versatility for air distribution in Supply Air, Return Air and Exhaust Air applications.

With an aesthetically pleasing design, Airlinx Heavy Duty Floor grilles are manufactured from extruded aluminium with 5.1mm thick bars at 12.5mm spacing. Various flange styles are available to accommodate different floor systems and structures including 15mm, 30mm and flangeless. Airlinx Heavy Duty Floor Grilles can be installed as individual

sections or in a continuous line providing versatility for all design and installation applications.

Typical installations are commercial and retail applications including offices, hospitals, shops, hotels and restaurants. Heavy Duty Floor Grilles are also used for Computer Room HVAC applications. Heavy duty floor grilles are also commonly used for residential applications including homes and apartments.

Quality and Service at an affordable price



HEAVY DUTY FLOOR GRILLE

CONSTRUCTION

All Airlinx Linear Floor Grilles are manufactured from extruded aluminum.

CORE OPTIONS

Airlinx Linear Floor Grilles can be manufactured with a Fixed core or with a filter where required for Return Air Applications.

ACCESSORIES

Available with optional plain and insulated header boxes.

FINISH

Available as standard in Powder Coat Finish. Other finishes also available including Anodised.

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LINEAR SLOT DIFFUSERS



DESCRIPTION

Airlinx Linear Slot Diffusers are designed for high performance applications and have been engineered to provide flexibility for air distribution in Supply Air, Return Air and Exhaust Air applications.

Incorporating a 25mm slot, Linear Slot Diffusers provide an aesthetically pleasing design and are suitable for installation in Ceilings or Sidewall applications.

Linear Slot Diffusers are available with the number of slots ranging from 1 to 7. Each slot incorporates individual air pattern control blades that can be adjusted from the face of the Slot Diffuser providing 180 degree horizontal and vertical airflow pattern adjustment.

Linear Slot Diffusers can be installed as individual sections or in a continuous line and can be installed in any type of ceiling application.

Typical installations are for residential, commercial and retail applications including homes, offices, hospitals, shops, hotels, restaurants and schools.

Quality and Service at an affordable price



LINEAR SLOT DIFFUSERS

CONSTRUCTION

All Airlinx Linear Slot Diffusers are manufactured from extruded aluminum with a removable internal pattern control blade assembly that is securely held in place with high tensile spring clips.

CORE OPTIONS

Airlinx Linear Slot Diffusers can be manufactured with a Fixed Core

ACCESSORIES

Available with optional mounting track, blanking plate, plain and insulated header boxes.

FINISH

Available as standard in White Powder Coat Finish. Other Powder Coat finishes are also available.

(Note: The internal pattern control blades are black)

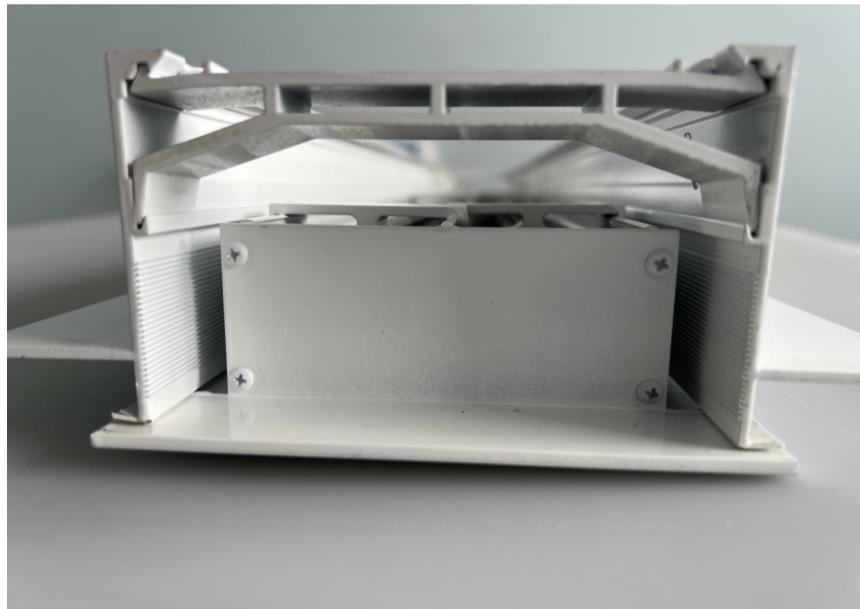
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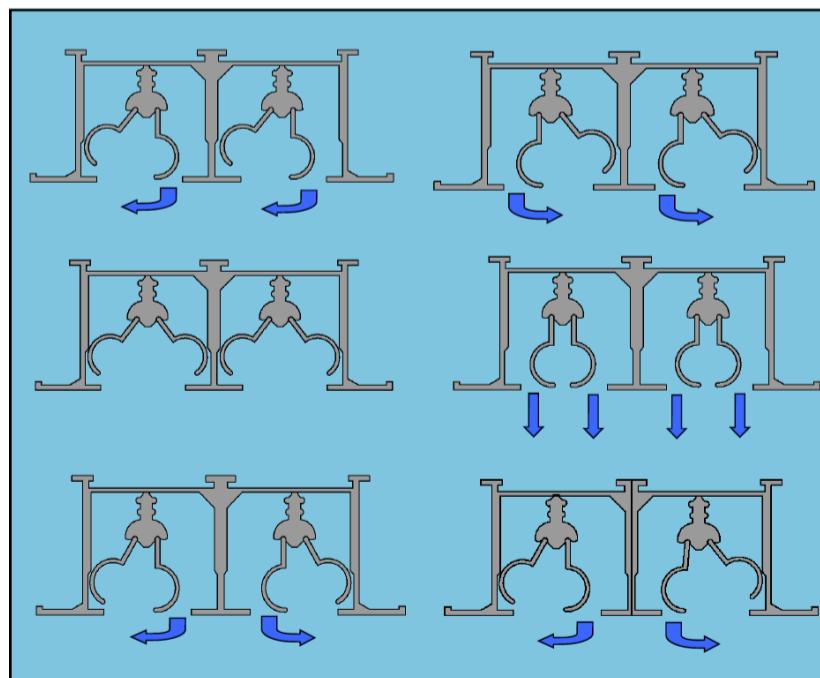


LINEAR SLOT DIFFUSERS

MOUNTING TRACK



THROW OPTIONS

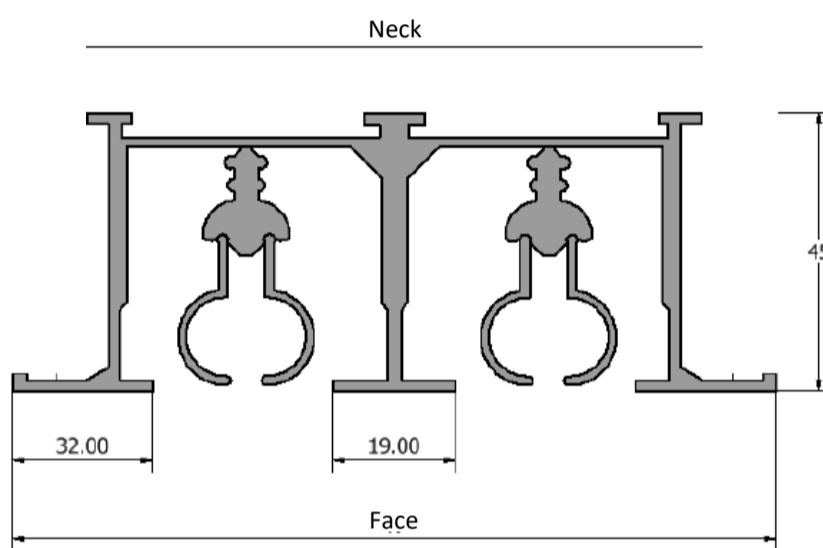


Quality and Service at an affordable price



LINEAR SLOT DIFFUSERS

FRAME DIMENSIONS



NO. SLOTS	G-SL25	
	Neck (mm)	Face (mm)
1	50	83
2	88	121
3	126	159
4	164	197
5	202	235
6	240	273
7	278	311

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SLOTS $\Delta P(Pa)$		Item	1		2		3		4		5		6		7	
Horizontal	Vertical		H	V	H	V	H	V	H	V	H	V	H	V	H	V
1	1	Throw(m)	0.5	0.5	0.7	1.3	1.3	1.6	2.2	2.2	1.8	2.2	2.1	2.2	3.0	2.5
		Flow(L/S/M)	8		17		24		33		41		49		57	
		NC	-		-		-		-		-		-		-	
4	3	Throw(m)	1.6	2.2	2.2	2.5	2.8	3.3	3.4	3.9	4.0	4.5	4.4	5.1	4.8	5.1
		Flow(L/S/M)	17		33		49		65		80		98		114	
		NC	-		-		-		-		-		-		-	
10	5	Throw(m)	2.1	2.8	3.2	4.2	4.1	4.8	4.8	5.9	5.4	6.4	5.9	7.0	6.4	7.7
		Flow(L/S/M)	24		49		74		98		122		147		171	
		NC	9		15		17		19		20		21		22	
18	12	Throw(m)	2.7	3.6	4.0	5.1	4.9	6.1	5.8	7.0	6.4	8.1	7.0	8.6	7.8	9.2
		Flow(L/S/M)	33		65		98		130		163		195		228	
		NC	18		23		26		28		29		30		32	
29	20	Throw(m)	3.4	3.9	4.7	5.5	5.8	6.7	6.7	8.1	7.6	8.9	8.2	9.7	8.9	10.3
		Flow(L/S/M)	41		82		122		163		204		245		285	
		NC	24		29		33		35		36		37		38	
43	28	Throw(m)	3.9	4.5	5.3	6.1	6.4	7.4	7.4	8.6	8.4	9.7	9.1	5.8	10.0	11.2
		Flow(L/S/M)	49		98		147		195		245		293		342	
		NC	30		36		39		41		42		43		44	
55	38	Throw(m)	4.0	4.8	5.8	6.4	6.9	8.1	8.2	9.2	9.0	10.3	10.0	11.2	10.7	12.2
		Flow(L/S/M)	57		114		171		228		285		342		399	
		NC	35		40		43		45		46		47		48	
72	48	Throw(m)	4.5	5.1	6.1	7.0	7.4	8.6	8.7	9.9	9.8	11.2	10.6	12.2	11.2	13.1
		Flow(L/S/M)	65		130		195		260		326		391		456	
		NC	40		45		48		50		51		53		54	

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Notes

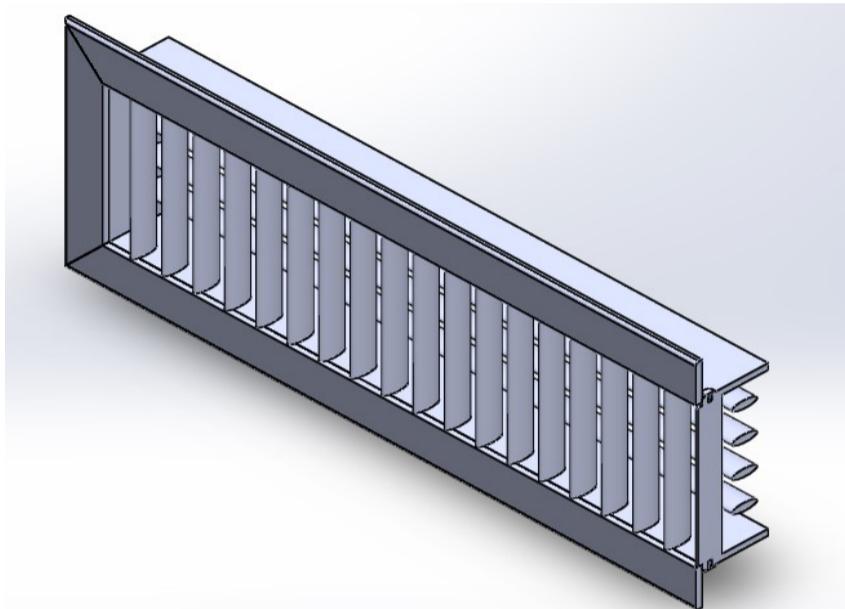
- 1.ΔP(Pa):total pressure drop;
- 2.Throw(m) :throw to a terminal;
- 3.Flow(L/S/M) :flow rate(Liter/Second/Meter);
- 4.NC:the NC values are based on a 10 dB room sound absorption level.re 10^{-12} W ;

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DOUBLE DEFLECTION REGISTERS



DESCRIPTION

Airlinx Double Deflection Registers (also commonly referred to as a Universal Register) are designed for Supply Air applications and are typically used in wall or duct mounted installations.

With an aesthetically pleasing design, Double Deflection Registers have two sets of fully adjustable individual blades. The front set off blades run parallel to the long dimension and the rear set runs parallel to the short dimension. Each blade is individually adjustable providing maximum flexibility for both horizontal and vertical air throw.

Airlinx have a wide range of core and frame style options providing versatility for all design and installation applications. Single Deflection Registers are also available with horizontal adjustable blades or alternatively front vertical blades

Typical installations are for residential, commercial and retail applications including homes, apartments, offices, hospitals, shops, hotels and restaurants.

Quality and Service at an affordable price



DOUBLE DEFLECTION REGISTERS

CONSTRUCTION

All Airlinx Double Deflection Registers are manufactured from extruded aluminum. The core consists of horizontal blades at the front complimented by rear vertical blades at the rear. The blades have an aerofoil design and each blade is individually adjustable at spacing of 20mm.

Standard stock sizes are available, and custom sizes are made to order in our factory.

CORE OPTIONS

Airlinx Double Deflection Registers can be manufactured with a Fixed or a Removable Core.

ACCESSORIES

For accurate control of air flow, Airlinx Double Deflection Registers can be provided with optional Opposed Blade and Stream Splitter Dampers in addition to plain or insulated plenum boxes

FINISH

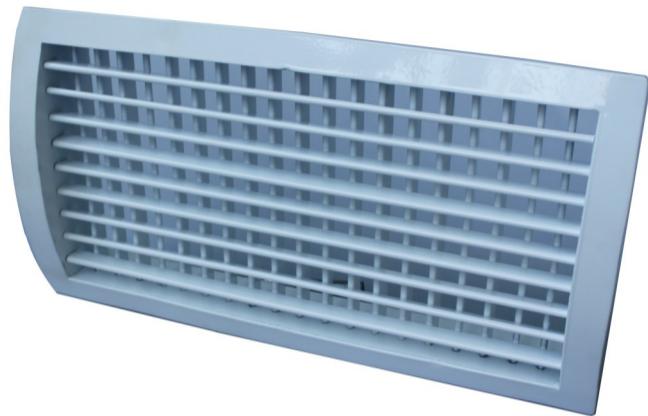
Available as standard in White Powder Coat Finish. Other Powder Coat finishes are also available.

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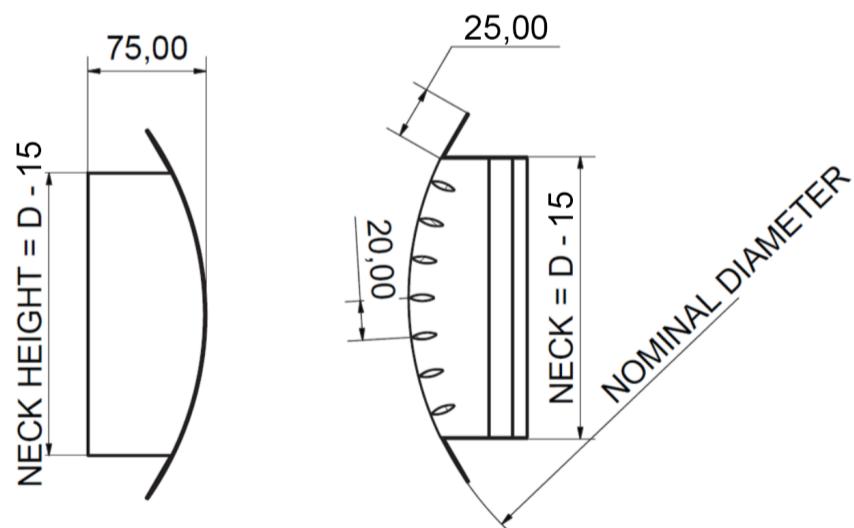
CURVED DOUBLE DEFLECTION REGISTERS



DESCRIPTION

Double Deflection Registers (along with Single Deflection) can be manufactured with a Curved Face to suit installations into Circular or Oval Spiral Duct-work

FRAME DIMENSIONS



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CURVED DOUBLE DEFLECTION REGISTERS



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Air Vol L/s	Register Size	200 x 100		250 x 100		300 x 100 200 x 150 250 x 150		300 x 100 450 x 100			500 x 100 250 x 200 350 x 150		
		0°	45°	0°	45°	0°	45°	0°	22.5°	45°	0°	22.5°	45°
50	Throw m Vel m/s SP in Pa	5	3.5	4	3	4	3						
		3.2	4.6	3	3.2	2.5	3						
		7	11	4	7	3	4						
75	Throw m Vel m/s SP in Pa	7.5	5.5	6.5	5	6	4	5	4	3.5			
		5	6.5	5	5	3.2	4.7	2	2.5	3			
		15	23	10	15	7	11	3	3	5			
100	Throw m Vel m/s SP in Pa	10.5	7	8.5	6	8.0	6	6.5	5.5	5	6	5	4
		7	8.5	5.5	7	4.5	6	3	3.5	4	2.5	3	3.5
		28	43	17	28	12	20	5	7	8	4	5	6
125	Throw m Vel m/s SP in Pa	12	8.5	11	8.0	10.5	7.5	8	7	6	7.5	6.5	4
		8.5	11	6.5	8.5	6	7	4	4	5	3.5	3.5	3.5
		43	66	26	43	19	30	8	10	14	6	7	6
150	Throw m Vel m/s SP in Pa			13.5	9.5	12	8.5	10	8	7.4	9.0	8.0	6.4
				8	10	7	8.5	4.7	5	5.5	4	4	5
				38	65	28	43	12	15	18	8	11	14
200	Throw m Vel m/s SP in Pa							13	11	9	11	10.5	8.5
								6	6.5	7.5	5	6	6.5
								20	30	33	14	19	24
250	Throw m Vel m/s SP in Pa							16.5	14	12	15	12.5	10.5
								7.5	8.5	9.5	6	7	8
								31	40	51	23	29	36
300	Throw m Vel m/s SP in Pa										18	15	13
											7.5	8.5	9.5
											34	43	54

Air Volume – Litres per Second
 Throw (m) is to a terminal velocity of 0.25m/s.
 Static Pressure – Pascals
 Core Velocity – Metres per Second
 Throw (m) is to a terminal velocity of 0.5m/s.

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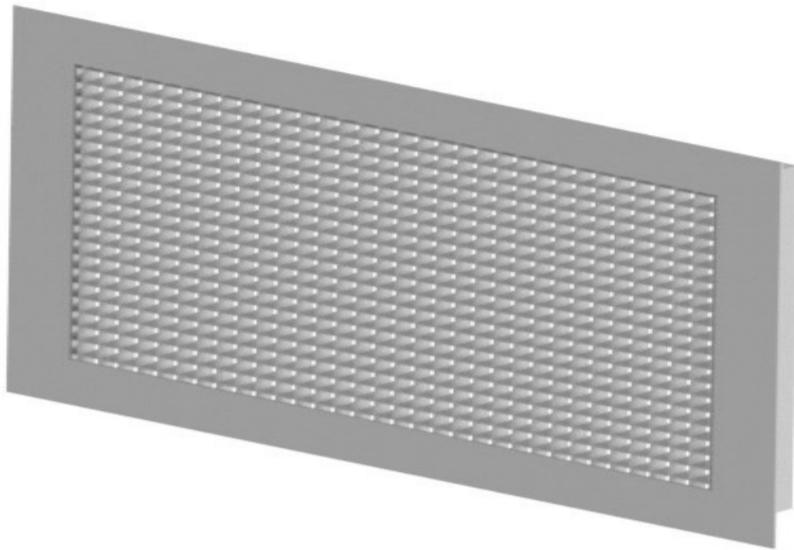


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EGG CRATE GRILLES



DESCRIPTION

Airlinx Egg Crate Grilles are a high free area grille (90%) specifically designed for Return Air, Transfer / Relief Air and Exhaust Air applications. Egg Crate grilles are typically used in ceiling, wall and duct mounted installations.

Airlinx have a wide range of core and frame style options providing versatility for all design and installation applications.

Typical installations are for residential, commercial and retail applications including homes, apartments, offices, hospitals, shops, hotels and restaurants.

CONSTRUCTION

Airlinx Egg Crate Grilles are manufactured from an extruded aluminum frame and the core is comprised of an aluminum lattice with each square measuring 12.5mm in length and 12.5mm in depth.

Standard stock sizes are available for R/Air, Transfer, Exhaust Grilles, and custom sizes are made to order in our factory.

Quality and Service at an affordable price



EGG CRATE GRILLES

CORE AND FRAME OPTIONS

Airlinx Egg Crate Grilles can be manufactured as Core Only, Fixed Core, along with Removable and / or Hinged Core with (or without) the removable filter

Standard flange is 25mm and a U channel is used on Removable and Hinged Core options

ACCESSORIES

For accurate control of air flow, Airlinx Egg Crate Grilles can be provided with optional Opposed Blade Dampers, Mounting Frames, Adapters and plain or insulated Plenum Boxes.

FINISH

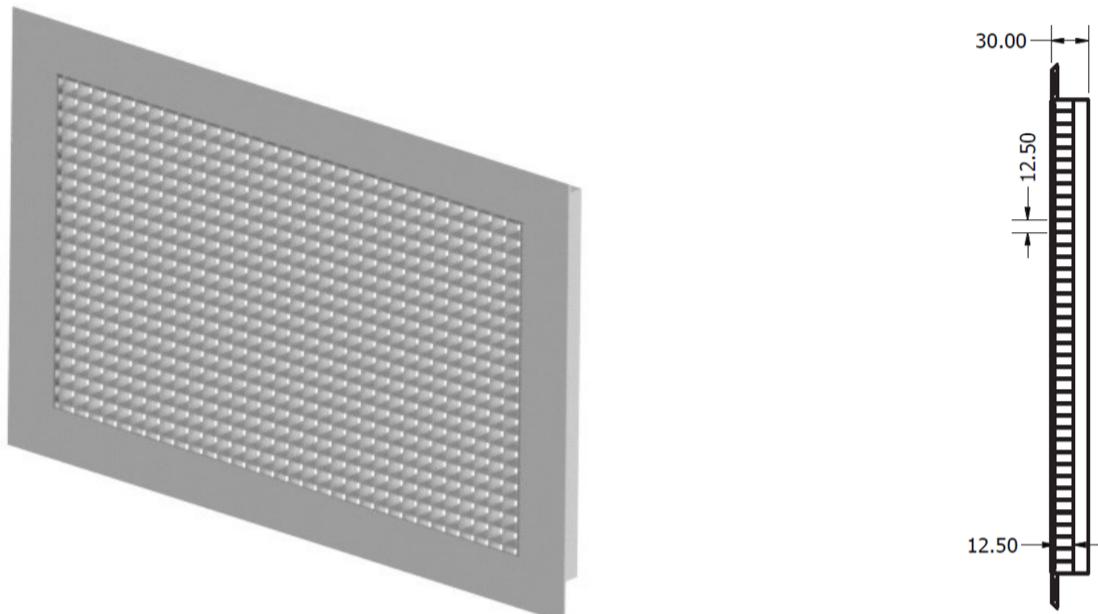
Available as standard in Mill Finish, Natural Anodised or White Powder Coat Finish. Other Powder Coat finishes are also available.

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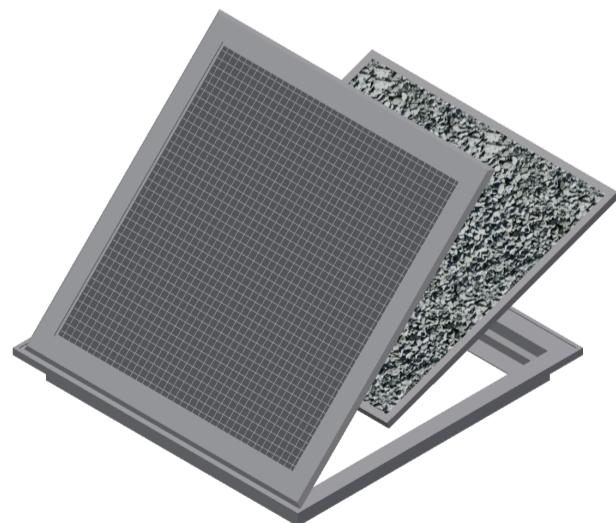
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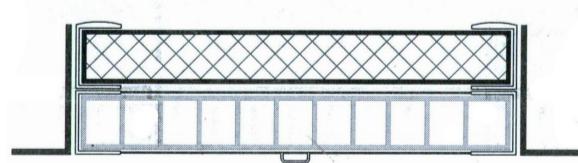
EGG CRATE CORE



EGG CRATE GRILLE HINGED CORE WITH FILTER



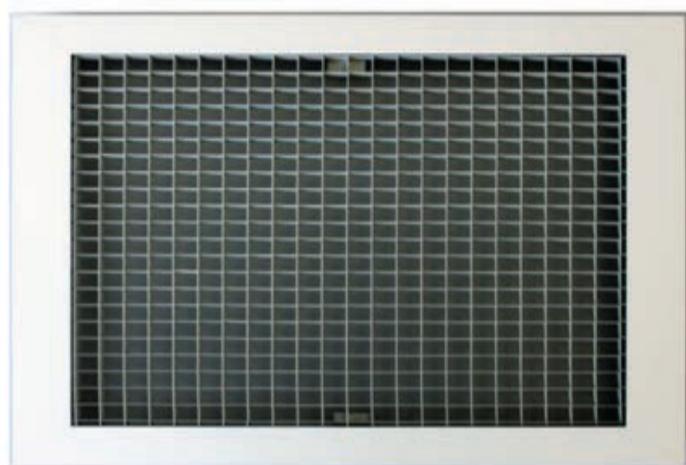
Hinged Core with Filter



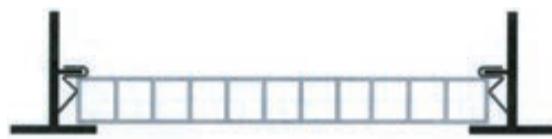
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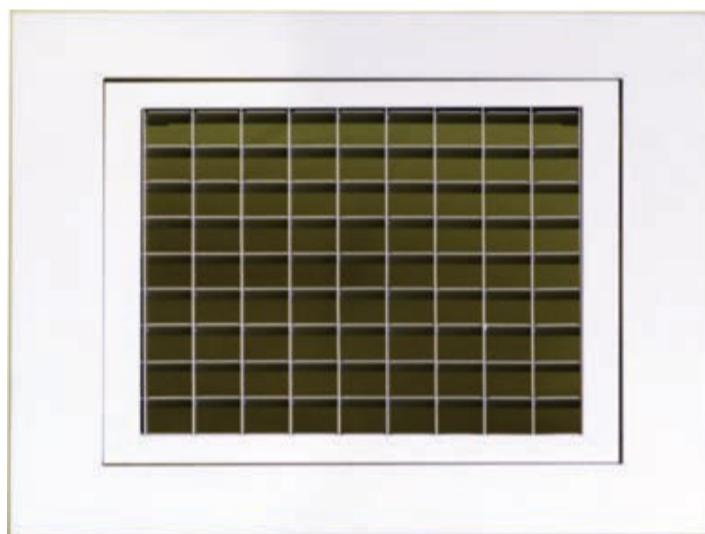
EGG CRATE GRILLE PLAIN FIXED CORE



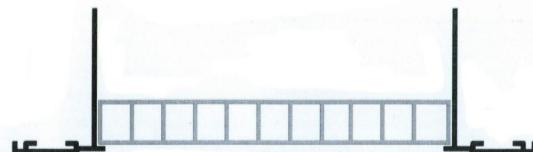
Fixed Core



EGG CRATE GRILLE REMOVABLE CORE



Removable Core

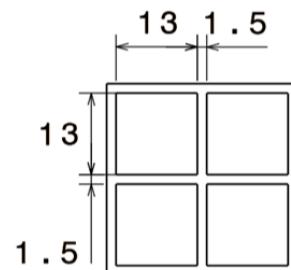
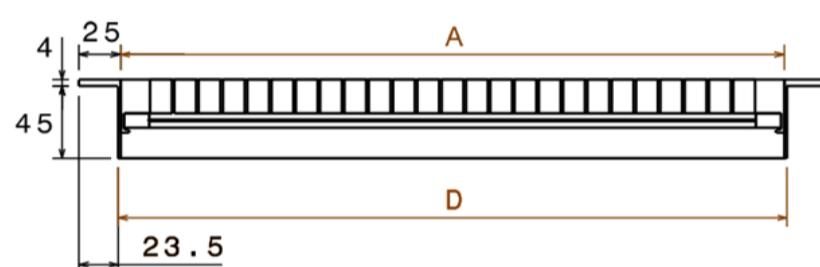
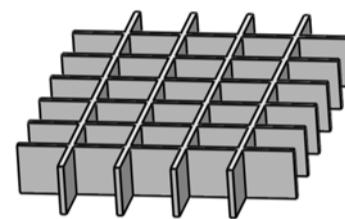
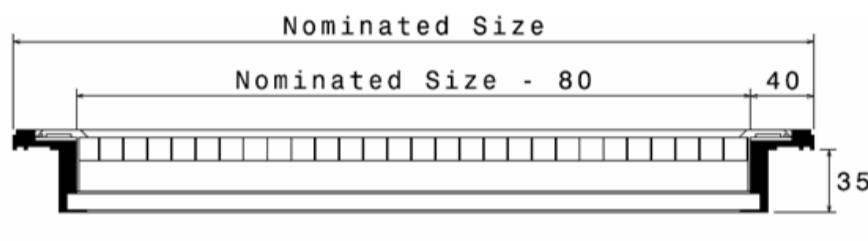


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CORE DIMENSIONS



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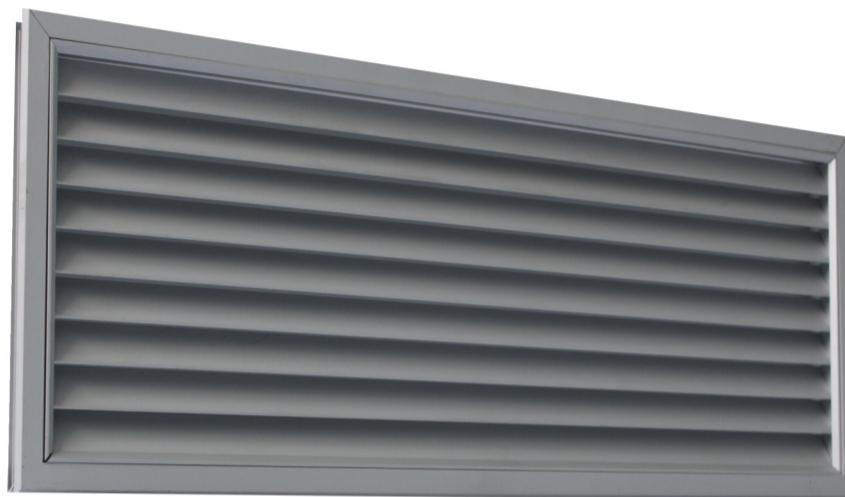
Grille Size	1.0m/s	1.5m/s	2.0m/s	2.5m/s	3.0m/s	4.0m/s	5.0m/s
	Pressure Drop 3 Pa	Pressure Drop 4 Pa	Pressure Drop 7 Pa	Pressure Drop 11 Pa	Pressure Drop 17 Pa	Pressure Drop 29 Pa	Pressure Drop 46 Pa
	L/s	L/s	L/s	L/s	L/s	L/s	L/s
200 x 100	12	18	24	30	36	48	61
150 x 150	15	23	31	39	47	63	79
200 x 150	21	32	43	54	65	86	108
250 x 150	28	42	56	70	84	112	141
200 x 200	31	46	62	77	93	124	155
300 x 150	34	52	69	86	104	139	173
250 x 200	39	59	79	99	118	157	197
350 x 150	40	60	80	101	121	161	202
300 x 200	48	73	97	122	146	195	244
250 x 250	51	77	103	129	155	206	258
350 x 200	57	86	114	143	172	229	286
400 x 200	66	100	133	166	200	266	333
350 x 250	74	111	148	185	222	297	371
300 x 300	78	115	154	192	231	308	385
450 x 250	97	146	195	244	293	391	488
450 x 300	119	179	238	298	358	477	596
600 x 300	162	243	325	406	487	650	813
450 x 450	186	279	372	465	558	744	930
750 x 300	202	300	404	502	606	803	1005
900 x 300	248	372	496	620	744	992	1240
600 x 450	251	377	503	629	755	1007	1259
600 x 600	342	513	684	855	1026	1368	1710
900 x 450	383	575	767	958	1150	1534	1917
900 x 600	803	782	1043	1034	1565	2086	2608
900 x 900	789	1184	1579	1974	2368	3158	3948
1200 x 600	700	1052	1400	1536	2100	2796	3501
1200 x 900	1066	1598	2138	2664	3196	4277	5334
1200 x 1200	1433	2147	2867	3572	4300	5734	7144

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DOOR GRILLES



DESCRIPTION

Door Grilles are designed for mounting in Doors and can also be installed in walls and partitions. They are used primarily for air transfer and relief applications and provide an aesthetic non-vision appearance. Typical installations are for commercial, retail and industrial applications including offices, hospitals, shops, hotels, restaurants and schools.

CONSTRUCTION

Door Grilles are manufactured from aluminum extrusion with a 25mm wide flanged frame that contains inverted full chevron blades which provide the vision proof internal core. A matching backing frame provides a rear telescopic secure fitment to a door with a range of thicknesses from 30-50mm.

Standard stock sizes are available with a standard width of 600mm and custom sizes can be made to order

Quality and Service at an affordable price



DOOR GRILLES

CORE OPTIONS

Airlinx Linear Floor Grilles can be manufactured with a Fixed core

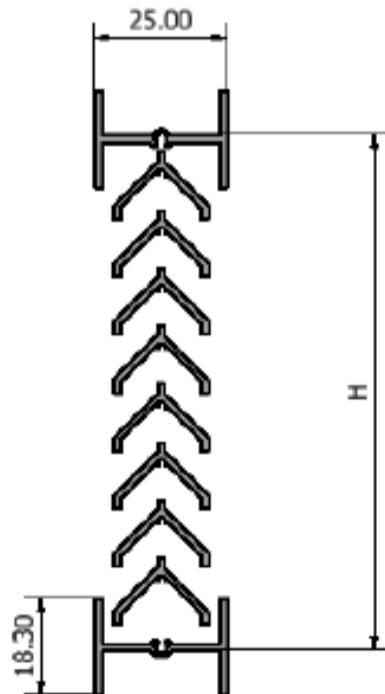
ACCESSORIES

Available with optional plain and insulated header boxes.

FINISH

Available as standard in Anodised. Other Powder Coat finishes also available.

FRAME DIMENSIONS

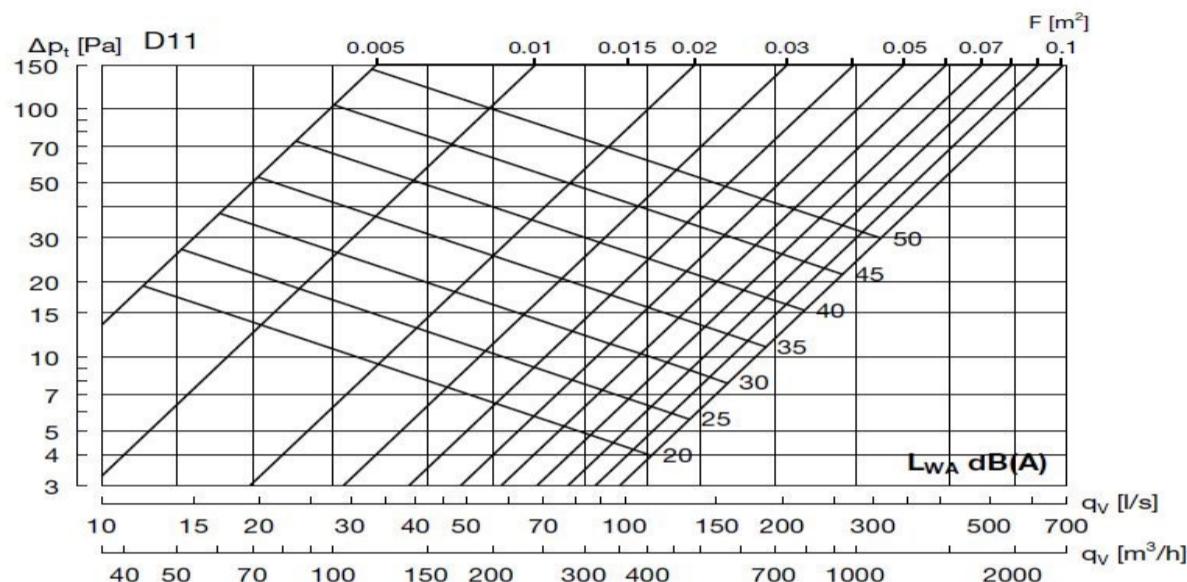


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Technical data



Free area F (m^2) = $(A-15)(B-35) 0.4 \times 10^{-6} m^2$
 (A and B in mm)

Capacity

Volume flow q_v [l/s] and [m^3/h], total pressure drop Δp_t [Pa], throw $I_{0.2}$ and sound level L_{WA} [$dB(A)$] can be seen in the diagram.

Frequency-related sound effect level

The sound effect level in the frequency band is defined as $L_{WA} + K_{ok}$. K_{ok} values are given in chart in the table below.

Size	Centre frequency Hz							
	63	125	250	500	1K	2K	4K	8K
K_{ok}	13	7	4	-3	-6	-10	-14	-16

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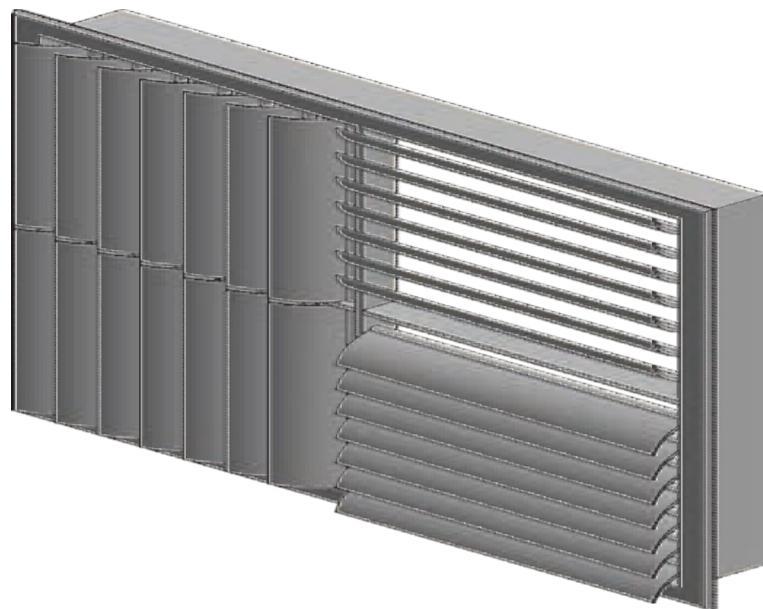
A x B mm	Free area F(m ²)	Weight kg
200 X 97	0,0046	0,3
300 X 97	0,0071	0,4
300 X 157	0,0139	0,7
400 X 157	0,0188	0,9
500 X 157	0,0237	1,2
600 X 157	0,0285	1,4
300 X 197	0,0185	0,9
400 X 197	0,0250	1,2
500 X 197	0,0314	1,5
600 X 197	0,0380	1,7

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EYELASH GRILLES



DESCRIPTION

Curved Blade Diffusers (Eyelash Grilles) are designed for Supply Air applications in Ceilings and are available with a 1, 2, 2 and 4 Way Blow pattern.

Curved Blade Diffusers (Eyelash Grilles) are commonly used in Evaporative Cooling Systems and provide a very versatile distribution pattern and excellent diffusion characteristics to suit the spatial layout of the room.

Typical installations are for residential, commercial, retail and industrial applications including homes, offices, hospitals, shops, hotels, restaurants and

Quality and Service at an affordable price



EYELASH GRILLES

CONSTRUCTION

Curved Blade Diffusers (Eyelash Grilles) are manufactured from extruded aluminum with internal adjustable curved blades that are securely held in place with high tensile spring wire. The surround frame is suitable for lay-in ceiling applications and for surface mounting in plasterboard or similar ceilings.

Standard stock sizes are available, however due to the multiple blow patterns and size configurations available these are made to order in our factory. Please refer to table of Air Patterns.

CORE OPTIONS

Curved Blade Diffusers (Eyelash Grilles) can be manufactured with a fixed core

FINISH

Available as standard in White Powder Coat Finish. Other Powder Coat finishes are also available.

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EYELASH GRILLES

AIR PATTERNS

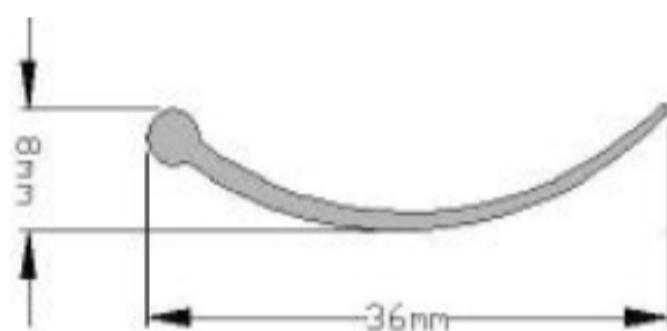
Order Pattern	Square	Rectangular
1-Way		
2-Way Opposite		
2-Way Corner		
3-Way		
4-Way		

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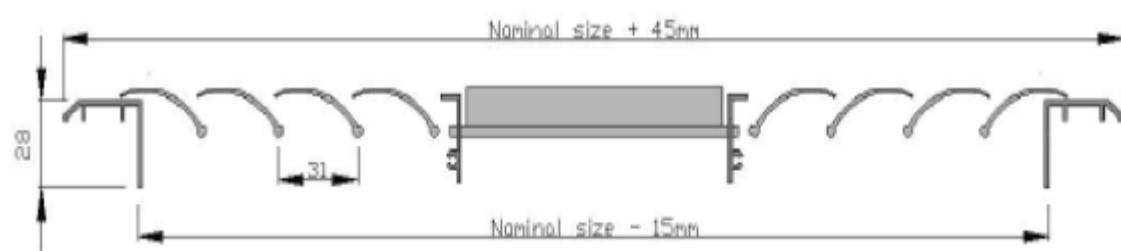


EYELASH GRILLES

BLADE DIMENSIONS



FRAME DIMENSIONS



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Blade Setting	With OBD			Without OBD		
	Throw	Static Pressure	N.C.	Throw	Static Pressure	N.C.
A	x 1.43	x 1.30	+ 2	x 1.43	x 1.20	+ 0
B	x 1.00	x 1.00	+ 0	x 1.00	x 0.86	- 3
C	x 0.79	x 0.72	- 4	x 0.79	x 0.41	- 4
D	x 0.64	x 0.52	- 4	x 0.64	x 0.33	- 6

Nominal Size (mm) (W x H)	Neck Vel m/s	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
	Stat. Press. Pa	10	10	28	40	55	73	90	110

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	Volume l/s	26	34	43	51	60	68	77	85
200 x 100	Throw m	1.5-3.0	2.4-3.9	3.0-4.8	3.6-6.0	4.2-6.6	4.5-7.5	5.1-8.4	5.4-9.0
	N.C.	<20	23	30	34	39	42	46	49
150 x 150	Volume l/s	30	40	50	60	70	80	90	100
	Throw m	1.8-3.0	2.4-3.9	3.0-5.1	3.6-6.0	4.2-7.2	4.8-7.8	5.4-8.7	5.7-9.3
250 x 100	N.C.	<20	24	30	35	40	43	47	50
	Volume l/s	41	54	68	81	95	110	120	135
200 x 150	Throw m	1.8-3.0	3.0-4.2	3.3-5.4	3.9-6.3	4.5-7.5	5.1-8.4	5.7-8.3	6.0-10
	N.C.	<20	25	31	37	41	44	47	51
300 x 100	Volume l/s	55	74	92	110	130	150	165	185
	Throw m	2.1-3.3	3.0-4.5	3.2-5.4	3.9-6.6	4.5-7.5	5.4-8.7	5.7-9.6	6.3-10.5
400 x 100	N.C.	<20	25	32	37	42	45	48	52
	Volume l/s	62	83	105	125	145	165	190	210
300 x 500	Throw m	2.4-3.3	3.0-4.5	3.6-6.0	4.2-6.9	4.8-7.8	5.7-9.3	6.0-10	6.6-11
	N.C.	<20	26	32	37	42	46	49	52
250 x 200	Volume l/s	70	93	115	140	160	185	210	230
	Throw m	2.4-3.6	3.0-4.8	3.6-7.2	4.2-7.2	5.1-8.4	6.0-9.6	6.3-10	6.9-11
350 x 150	N.C.	<20	27	33	38	43	47	49	53
	Volume l/s	89	120	150	180	210	240	270	300
300 x 200	Throw m	2.4-3.9	3.0-5.1	3.9-6.3	4.5-7.5	5.4-8.7	6.0-9.9	6.6-11	7.2-12
	N.C.	<20	27	33	39	44	47	51	54
450 x 100	Volume l/s	100	130	165	200	230	265	300	320
	Throw m	2.4-3.9	3.3-5.1	4.2-6.6	4.8-7.8	5.7-9.3	6.3-10	6.9-9.7	7.5-12
500 x 100	N.C.	<20	27	34	39	44	48	52	55
	Volume l/s	110	145	180	215	250	290	325	360
300 x 250	Throw m	2.7-4.2	3.3-5.4	4.2-6.6	4.8-8.1	5.7-9.3	6.3-10	7.2-12	7.8-13
	N.C.	<20	28	34	39	44	48	52	55
350 x 300	Volume l/s	130	175	220	260	305	350	3910	435
	Throw m	2.7-4.5	3.6-5.7	4.2-7.2	5.1-8.4	6.0-9.9	6.8-11	7.5-12	8.1-13
400 x 250	N.C.	<20	28	35	41	45	49	52	57
	Volume l/s	155	205	255	305	360	410	460	510
500 x 200	Throw m	2.7-4.5	3.6-6.0	4.2-7.2	5.1-8.4	6.0-9.9	6.6-11	7.5-12	9.7-14
	N.C.	<21	29	35	41	45	49	53	57
350 x 350	Volume l/s	180	240	300	360	420	490	540	600
	Throw m	2.7-4.5	3.6-6.0	4.5-7.5	5.4-9.0	6.3-10	6.9-10	8.1-13	9.0-15
500 x 250	N.C.	21	29	36	42	46	51	54	58
	Volume l/s	205	275	340	410	490	550	615	685
600 x 200	Throw m	3.0-4.8	3.9-6.3	4.8-7.9	5.4-9.0	6.3-11	7.2-12	8.4-14	9.3-16
	N.C.	22	30	37	42	47	51	55	59
750 x 150	Volume l/s	22	31	37	43	47	52	56	59
	Throw m	3.0-4.8	3.9-6.6	4.9-9.1	5.7-9.3	6.6-11	7.5-13	8.4-14	9.9-17
400 x 400	N.C.	22	31	37	43	47	52	56	59
	Volume l/s	235	315	395	475	550	630	710	790
500 x 300	Throw m	3.0-4.8	3.9-6.6	4.9-9.1	5.7-9.3	6.6-11	7.5-13	8.4-14	9.9-17
	N.C.	22	31	37	43	47	52	56	59
600 x 250	Volume l/s	22	31	37	43	47	52	56	59
	Throw m	3.0-4.8	3.9-6.6	4.9-9.1	5.7-9.3	6.6-11	7.5-13	8.4-14	9.9-17
750 x 200	N.C.	22	31	37	43	47	52	56	59

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PERFORATED GRILLES



DESCRIPTION

Airlinx Perforated Grilles are commonly used for Return Air, Transfer / Relief Air & Exhaust Air applications and are typically used for ceiling mounted installations. Perforated Grilles can also be used as a Supply Air Diffuser predominantly in commercial design applications.

Where vandal proof or secure grilles are required Airlinx provide a heavier construction perforated grille designed to meet specifications for Prisons, Police Stations and similar secure environments.

Airlinx have a wide range of perforated core style options providing versatility for all design and installation applications.

Typical installations are for commercial and industrial applications including offices, hospitals, prisons, police stations and secure facilities. Decorative perforated grilles are also available for residential applications.

Quality and Service at an affordable price



PERFORATED GRILLES

CONSTRUCTION

Airlinx standard Perforated Grilles are manufactured from an extruded aluminum frame. The core consists of 50 % free area perforated metal with circular staggered perforations.

Security Perforated Grilles are manufactured from fully welded steel frames and heavy perforated metal. (Note: thickness and free area varies according to specification on project)

Perforated Grilles are made to order in our factory.

CORE OPTIONS

Airlinx Perforated Grilles can be manufactured with a Fixed Core along with Removable and / or Hinged Core with (or without) removable filter.

ACCESSORIES

For accurate control of air flow, Airlinx Perforated Grilles can be provided with optional Opposed Blade and other accessories including Mounting Frames, Adapters and plain or insulated Plenum Boxes.

FINISH

Available as standard in White Powder Coat Finish. Other Powder Coat finishes are also available.

AIRLINX PROVIDES IN-HOUSE CUSTOM PERFORATION.

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Neck Size(mm)	Flow rate (l/s)	25	50	75	100	150	200	250	300	400	500	600	700	800	900	1000
200x200 Area = 0.036	Vel (m/s)	0.7	1.3	2.1	2.7	4.0	5.4	6.8								
	ΔP1 (Pa)	3.8	1.0	32.9	61.2	134.3										
	ΔP2 (Pa)	1.0	5.8	12.9	22.1	50.4	90.2	145.7								
225x225 Area = 0.046	Vel (m/s)	0.5	1.0	1.6	2.1	3.2	4.3	5.3	6.2							
	ΔP1 (Pa)	1.9	8.8	19.5	35.7	76.1	142									
	ΔP2 (Pa)	1.0	3.0	7.7	13.3	29.5	51.9	80.4	115							
250x250 Area = 0.058	Vel (m/s)	0.4	0.9	1.2	1.7	2.5	3.4	4.0	5.0	6.6						
	ΔP1 (Pa)	1.0	5.6	12.5	21.6	49.5	83.0	131.4								
	ΔP2 (Pa)	1.0	1.9	4.9	7.7	18.9	33.7	49.5	70.7	127						
300x300 Area = 0.084	Vel (m/s)	0.3	0.6	0.9	1.2	1.7	2.3	3.0	3.4	4.7	5.5	7.0				
	ΔP1 (Pa)	1.0	2.0	5.6	9.3	21.7	37.0	58.1	86.8	157						
	ΔP2 (Pa)	0.0	0.9	1.9	3.9	7.5	14.7	22.7	32.0	58.2	87.6	130				
350x350 Area = 0.116	Vel (m/s)	0.2	0.4	0.6	0.9	1.2	1.7	2.1	2.6	3.3	4.0	5.1	6.1	6.7		
	ΔP1 (Pa)	0.0	1.0	2.8	4.8	10.3	18.9	29.6	42.0	77.5	123					
	ΔP2 (Pa)	0.0	0.0	1.0	1.9	3.9	7.5	11.4	16.5	30.6	45.4	68.1	88.3	122		
400x400 Area = 0.152	Vel (m/s)	0.2	0.3	0.5	0.7	1.0	1.3	1.6	2.0	2.5	3.2	3.9	4.5	5.0	5.7	6.2
	ΔP1 (Pa)	0.0	0.9	1.9	2.8	5.7	10.5	17.3	23.8	42.6	67.2	95.7				
	ΔP2 (Pa)	0.0	0.0	0.9	1.0	2.0	3.8	6.5	9.7	16.6	25.2	38.5	51.9	66.6	81.0	105
450x450 Area = 0.194	Vel (m/s)	0.1	0.3	0.4	0.5	0.8	1.0	1.3	1.5	2.0	2.5	3.0	3.5	3.8	4.3	4.9
	ΔP1 (Pa)	0.0	0.0	0.9	1.9	4.0	6.6	10.8	14.7	25.1	42.4	59.0	77.4	104		
	ΔP2 (Pa)	0.0	0.0	0.0	1.0	1.0	3.0	3.8	5.9	9.3	15.6	22.2	30.7	39.8	50.3	61.6
500x500 Area = 0.240	Vel (m/s)	0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.2	1.6	2.1	2.3	2.9	3.2	3.6	4.1
	ΔP1 (Pa)	0.0	0.0	1.0	0.9	1.9	4.0	6.7	9.5	16.1	25.3	36.9	49.5	65.3	82.5	107
	ΔP2 (Pa)	0.0	0.0	0.0	0.0	1.0	1.9	3.0	3.9	6.6	9.5	14.1	18.8	25.3	32.6	39.9
550x550 Area = 0.212	Vel (m/s)	0.1	0.2	0.3	0.3	0.5	0.7	0.9	1.0	1.4	1.6	2.0	2.3	2.7	3.1	3.2
	ΔP1 (Pa)	0.0	0.0	0.0	0.9	1.9	2.9	4.7	6.8	11.3	17.1	24.3	35.9	44.3	57.3	68.1
	ΔP2 (Pa)	0.0	0.0	0.0	0.0	0.9	0.9	1.9	1.9	4.0	6.7	9.5	14.0	17.1	21.0	26.8
600x600 Area = 0.348	Vel (m/s)	0.1	0.1	0.2	0.3	0.4	0.6	0.7	0.9	1.0	1.3	1.6	2.0	2.2	2.6	2.7
	ΔP1 (Pa)	0.0	0.0	0.0	1.0	0.9	1.9	3.0	4.7	7.6	12.7	17.5	24.2	29.9	39.6	47.8
	ΔP2 (Pa)	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.9	2.8	4.9	6.8	8.7	12.0	15.3	17.8

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HALF CHEVRON LOUVRE



DESCRIPTION

Airlinx Half Chevron Louvres are designed for Return Air, Transfer / Relief Air & Exhaust Air applications and are typically used in wall, ceiling or duct mounted installations.

Airlinx have a wide range of core and frame style options providing versatility for all design and installation applications.

Typical installations are for residential, commercial and retail applications including homes, apartments, offices, hospitals, shops, hotels and restaurants.

Quality and Service at an affordable price



HALF CHEVRON LOUVRE

CONSTRUCTION

Airlinx Half Chevron Louvres are manufactured from extruded aluminum. The core consists of fixed horizontal louvre blades set at 45 degrees.

Half Chevron Louvres are made to order in our factory.

Free area: 25%-58% (depending on the height).

CORE OPTIONS

Airlinx Half Chevron Louvres can be manufactured with a Fixed Core along with Removable and / or Hinged Core with (or without) removable filter.

ACCESSORIES

For accurate control of air flow, Airlinx Half Chevron Louvres can be provided with optional Opposed Blade Dampers.

FINISH

Available as standard in White Powder Coat Finish. Other Powder Coat finishes are also available.

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WEATHER LOUVRE



DESCRIPTION

Airlinx Weather Proof Louvers are designed to provide weather protection of outside air or discharge air through the opening while allowing free passage of air. Airlinx Weather Proof Louvers minimise the ingress of rain water in all normal climatic conditions and are suitable for supply, relief and exhaust air applications. Weather Proof Louvers may also be used for natural ventilation

Airlinx have a wide range of core and frame style options providing versatility for all design and installation applications.

Typical installations are for residential, commercial and retail applications including homes, apartments, offices, hospitals, shops, hotels and restaurants.

Quality and Service at an affordable price



WEATHER LOUVRE

CONSTRUCTION

From extruded aluminum sections, frame and blades 1.0mm thick. Hairline miters mechanically held. Fitted as standard with rear galvanized steel bird/vermin mesh screen for external use.

Free area: 22%-58% (depending on the height).

CORE AND FRAME OPTIONS

Airlinx Weather Louvres can be manufactured with a Fixed Core only

3 flange sizes: 25mm, 35mm, 50mm

3 blade sizes: 52mm, 75mm, 117mm

FINISH

Available as standard in Nature Anodised / Silver Powder Coat Finish. Other Powder Coat finishes are also available.

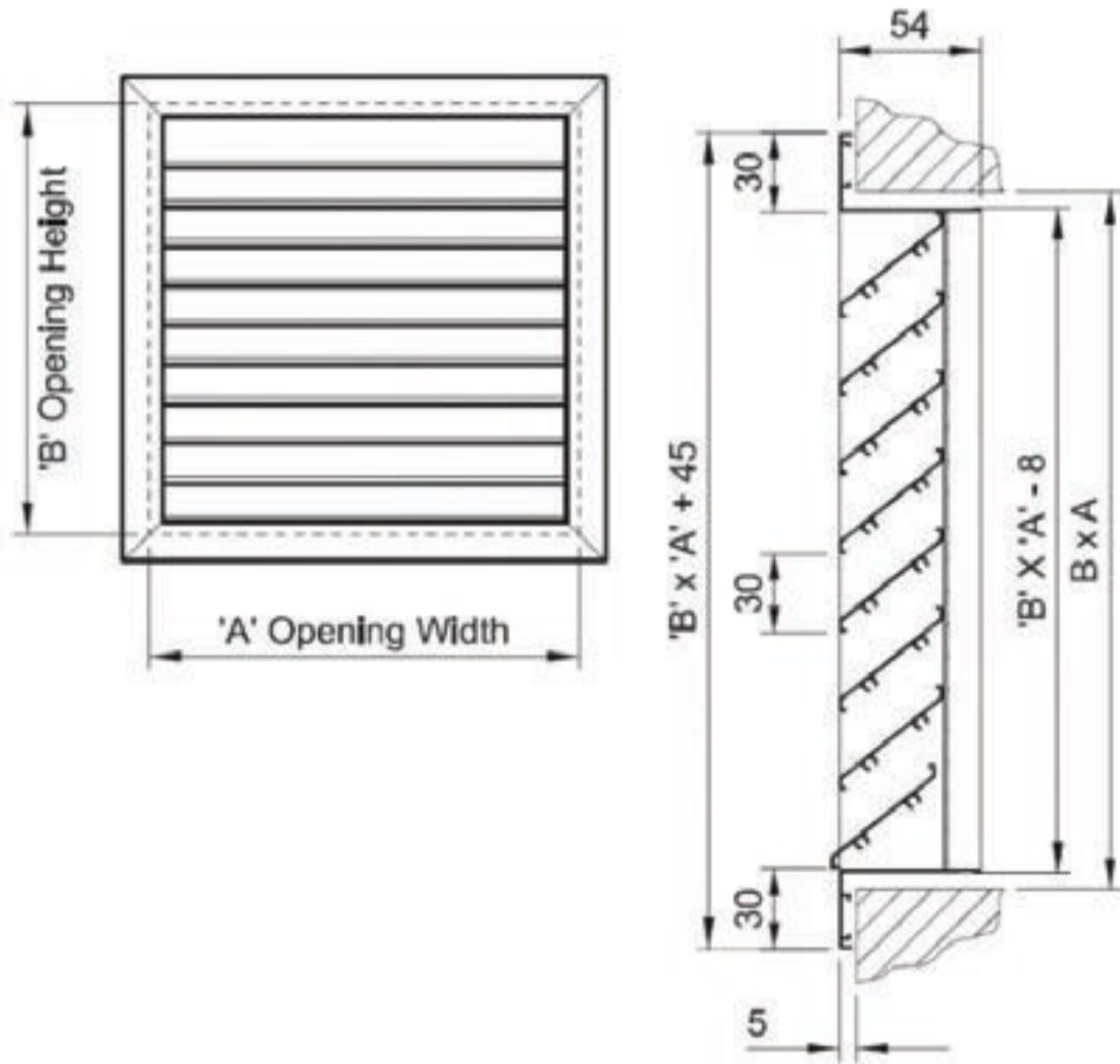
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LOUVRES

DIMENSIONS



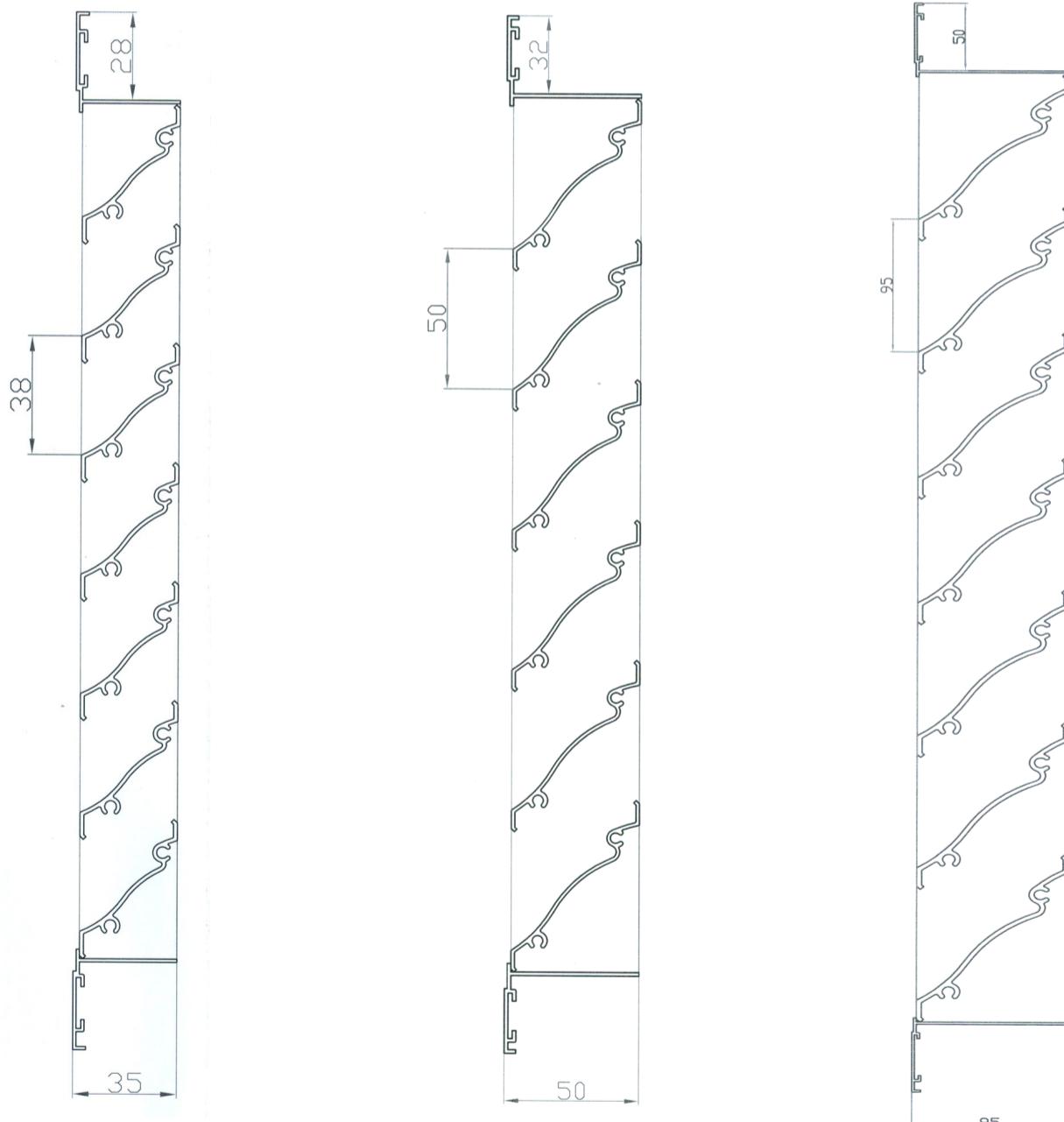
*30mm Flange

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LOUVRES

DIMENSIONS



Three blade sizes for Weather Louvre; 52mm, 75mm, 117mm

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Technical Data - Capacity Data of Louvre

Air Volume		Effective Surface Area in cm ²													
		500		600		800		1000		1250		1500			
m 3/s	m 3/h	Pt	Lp	Pt	Lp	Pt	Lp	Pt	Lp	Pt	Lp	Pt	Lp	Pt	Lp
0.080	288	5	5												
0.100	360	8	10	6	6										
0.150	540	19	21	13	17	7	11	5	6						
0.200	720	33	28	23	25	13	18	8	13	5	9	4	5		
0.250	900	51	34	36	30	20	24	13	19	8	14	6	10		
0.300	1080	74	39	51	35	29	29	19	24	12	19	8	15		
0.400	1440	132	47	91	43	51	36	33	32	21	27	15	23		
0.500	1880					80	42	51	37	33	32	23	29		
0.600	2160					116	47	74	42	47	37	33	33		
0.800	2800									84	45	59	41		
1.000	3600									132	51	91	47		
m3/s	m3/s	Pt	Lp	Pt	Lp	Pt	Lp	Pt	Lp	Pt	Lp	Pt	Lp	Pt	Lp

Preferred Area

Velocity App. 4m/s

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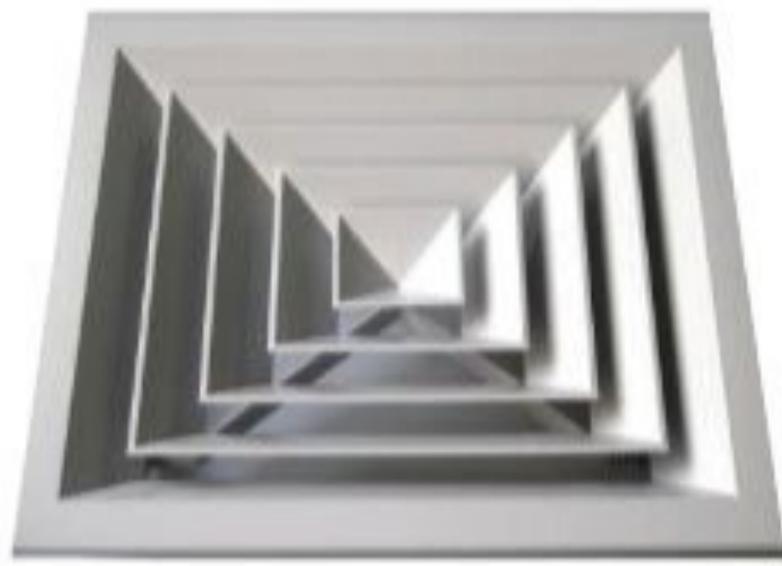
Neck Size(mm)	Flow rate (l/s)	25	50	75	100	150	200	250	300	400	500	600	700	800	900	1000
200x200 Area = 0.036	Vel (m/s)	0.7	1.3	2.1	2.7	4.0	5.4	6.8								
	ΔP1 (Pa)	3.8	1.0	32.9	61.2	134.3										
	ΔP2 (Pa)	1.0	5.8	12.9	22.1	50.4	90.2	145.7								
225x225 Area = 0.046	Vel (m/s)	0.5	1.0	1.6	2.1	3.2	4.3	5.3	6.2							
	ΔP1 (Pa)	1.9	8.8	19.5	35.7	76.1	142									
	ΔP2 (Pa)	1.0	3.0	7.7	13.3	29.5	51.9	80.4	115							
250x250 Area = 0.058	Vel (m/s)	0.4	0.9	1.2	1.7	2.5	3.4	4.0	5.0	6.6						
	ΔP1 (Pa)	1.0	5.6	12.5	21.6	49.5	83.0	131.4								
	ΔP2 (Pa)	1.0	1.9	4.9	7.7	18.9	33.7	49.5	70.7	127						
300x300 Area = 0.084	Vel (m/s)	0.3	0.6	0.9	1.2	1.7	2.3	3.0	3.4	4.7	5.5	7.0				
	ΔP1 (Pa)	1.0	2.0	5.6	9.3	21.7	37.0	58.1	86.8	157						
	ΔP2 (Pa)	0.0	0.9	1.9	3.9	7.5	14.7	22.7	32.0	58.2	87.6	130				
350x350 Area = 0.116	Vel (m/s)	0.2	0.4	0.6	0.9	1.2	1.7	2.1	2.6	3.3	4.0	5.1	6.1	6.7		
	ΔP1 (Pa)	0.0	1.0	2.8	4.8	10.3	18.9	29.6	42.0	77.5	123					
	ΔP2 (Pa)	0.0	0.0	1.0	1.9	3.9	7.5	11.4	16.5	30.6	45.4	68.1	88.3	122		
400x400 Area = 0.152	Vel (m/s)	0.2	0.3	0.5	0.7	1.0	1.3	1.6	2.0	2.5	3.2	3.9	4.5	5.0	5.7	6.2
	ΔP1 (Pa)	0.0	0.9	1.9	2.8	5.7	10.5	17.3	23.8	42.6	67.2	95.7				
	ΔP2 (Pa)	0.0	0.0	0.9	1.0	2.0	3.8	6.5	9.7	16.6	25.2	38.5	51.9	66.6	81.0	105
450x450 Area = 0.194	Vel (m/s)	0.1	0.3	0.4	0.5	0.8	1.0	1.3	1.5	2.0	2.5	3.0	3.5	3.8	4.3	4.9
	ΔP1 (Pa)	0.0	0.0	0.9	1.9	4.0	6.6	10.8	14.7	25.1	42.4	59.0	77.4	104		
	ΔP2 (Pa)	0.0	0.0	0.0	1.0	1.0	3.0	3.8	5.9	9.3	15.6	22.2	30.7	39.8	50.3	61.6
500x500 Area = 0.240	Vel (m/s)	0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.2	1.6	2.1	2.3	2.9	3.2	3.6	4.1
	ΔP1 (Pa)	0.0	0.0	1.0	0.9	1.9	4.0	6.7	9.5	16.1	25.3	36.9	49.5	65.3	82.5	107
	ΔP2 (Pa)	0.0	0.0	0.0	0.0	1.0	1.9	3.0	3.9	6.6	9.5	14.1	18.8	25.3	32.6	39.9
550x550 Area = 0.212	Vel (m/s)	0.1	0.2	0.3	0.3	0.5	0.7	0.9	1.0	1.4	1.6	2.0	2.3	2.7	3.1	3.2
	ΔP1 (Pa)	0.0	0.0	0.0	0.9	1.9	2.9	4.7	6.8	11.3	17.1	24.3	35.9	44.3	57.3	68.1
	ΔP2 (Pa)	0.0	0.0	0.0	0.0	0.9	0.9	1.9	1.9	4.0	6.7	9.5	14.0	17.1	21.0	26.8
600x600 Area = 0.348	Vel (m/s)	0.1	0.1	0.2	0.3	0.4	0.6	0.7	0.9	1.0	1.3	1.6	2.0	2.2	2.6	2.7
	ΔP1 (Pa)	0.0	0.0	0.0	1.0	0.9	1.9	3.0	4.7	7.6	12.7	17.5	24.2	29.9	39.6	47.8
	ΔP2 (Pa)	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.9	2.8	4.9	6.8	8.7	12.0	15.3	17.8

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4-WAY SQUARE CEILING DIFFUSER



DESCRIPTION

Ceiling Diffusers are designed for Supply Air applications in Ceilings and are typically provided with a 4 Way Blow pattern for an even distribution of air. Ceiling Diffusers can also be provided with internal blanking plates to achieve a 1-way, 2-way or 3-way blow distribution pattern to suit the special layout of the room.

Typical installations are for residential, commercial, retail and industrial applications including offices, hospitals, shops, hotels, restaurants and schools.

Quality and Service at an affordable price



4-WAY SQUARE CEILING DIFFUSER

CONSTRUCTION

Ceiling Diffusers are manufactured from extruded aluminum with internal louvres and a frame that is suitable for lay-in ceiling applications and for surface mounting in plasterboard or similar ceilings.

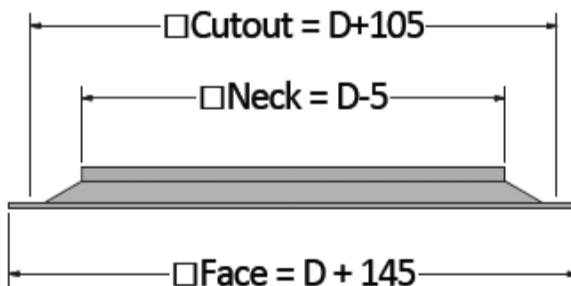
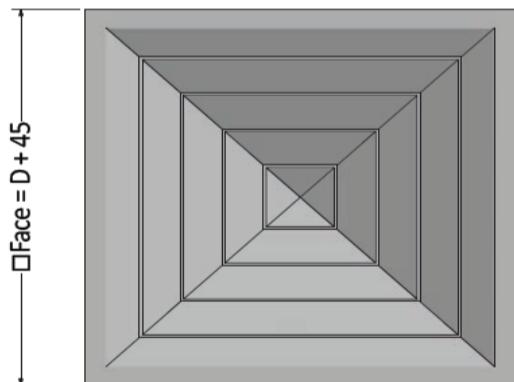
Standard stock sizes are available that include;

250/400, 300/450, 375/525, 450 / 595 (Lay-in)

FINISH

Available as standard in White Powder Coat Finish. Other Powder Coat finishes are also available.

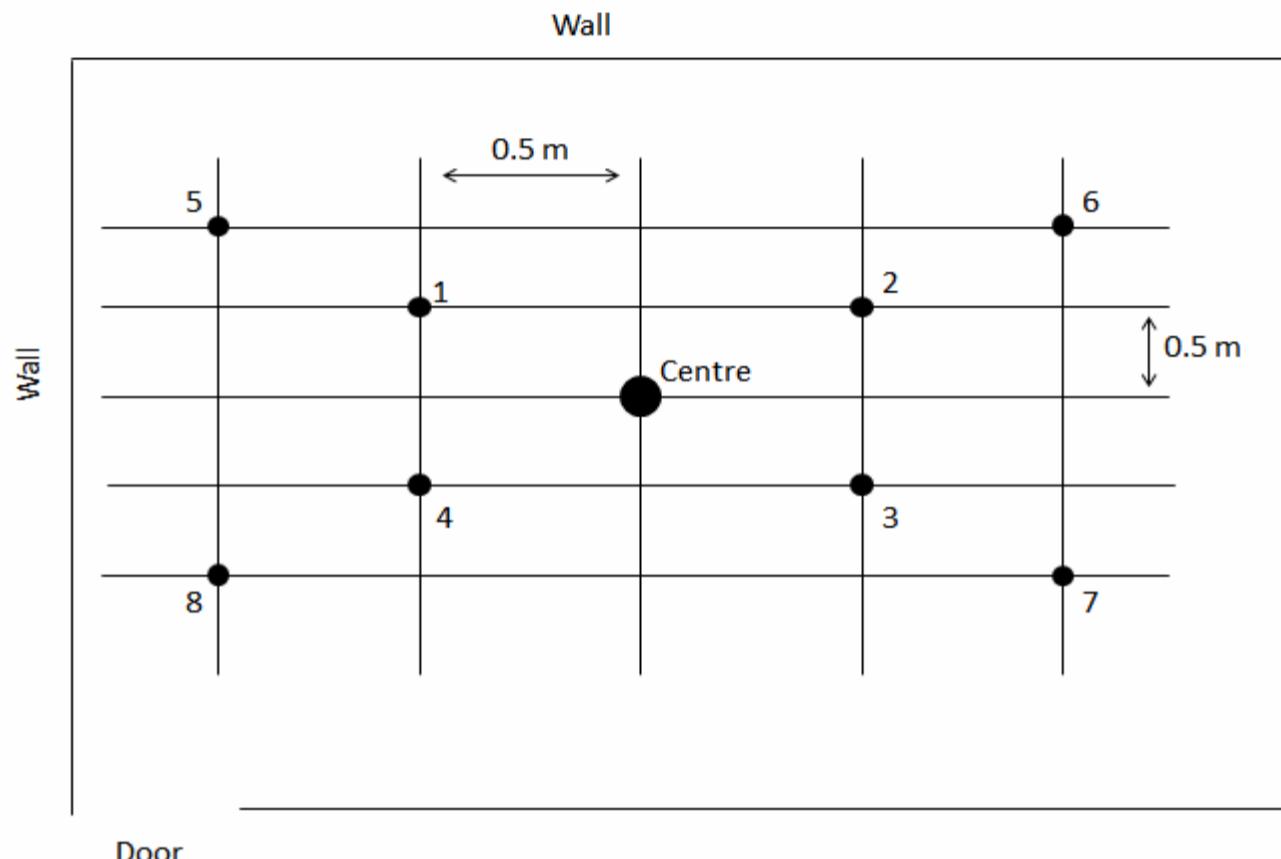
DIMENSIONS





Nominal L x H	vk - m/s	1.0			1.5			2			2.5		
	Δpt in Pa	6			13			24			37		
	V in l/s	L in m	LpNC										
150x150	4-way	25	0.8	<	36	1.0	<	50	1.5	22	60	2.1	27
225x225	4-way	55	1.2	<	80	1.5	<	105	2.1	19	130	2.7	26
300x300	4-way	95	1.5	<	140	2.2	<	190	3.1	22	240	3.7	28
375x375	4-way	150	1.8	<	225	2.7	<	300	3.7	24	375	4.3	30
450x450	4-way	210	2.1	<	320	3.4	<	425	4.3	25	530	4.6	32
525x525	4-way	290	2.7	<	430	4	18	575	4.6	27	720	5.2	32
600x600	4-way	375	3.1	<	560	4.3	19	750	4.9	28	940	5.5	34

Quality and Service at an affordable price



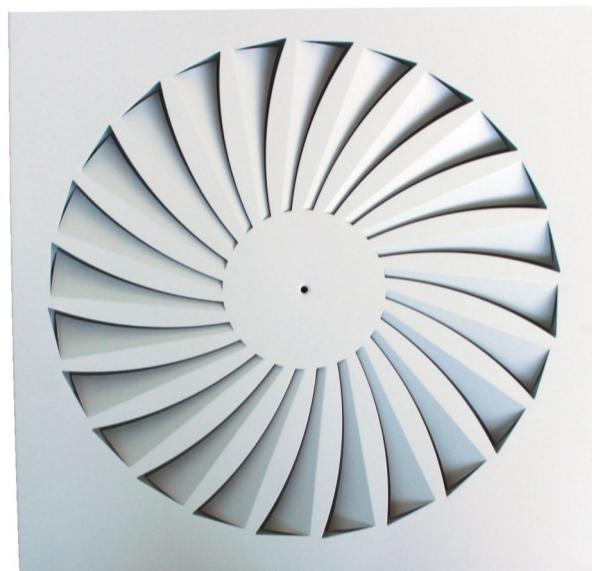
Point	Velocity (m/s)	Temperature (C)
0 (centre)	0	13.0
1	0.21-0.38	12.7
2	0.10-0.15	12.7
3	0.01-0.07	12.7
4	0.23-0.30	13.0
5	0.06-0.13	12.6
6	0	12.7
7	0.02-0.07	13.1
8	0.16-0.21	13.1

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SWIRL DIFFUSER



DESCRIPTION

Swirl Diffusers are designed for Supply Air applications in Ceilings and provide a horizontal radial distribution of air. Swirl Diffusers are very effective as they are a High Induction Diffuser which provides rapid mixing of supply and room air

Typical installations are for commercial, retail and industrial applications including offices, hospitals, shops, hotels, restaurants and schools.

High quality diffuser with radical diffusion pattern to generate airflow according to the principle of turbulent mixed airflow

Low sound level and pressure loss

Installation for prefabricated ceiling or surface mounted for closed false ceilings

Quality and Service at an affordable price



SWIRL DIFFUSER

CONSTRUCTION

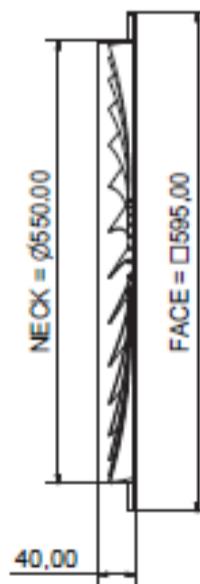
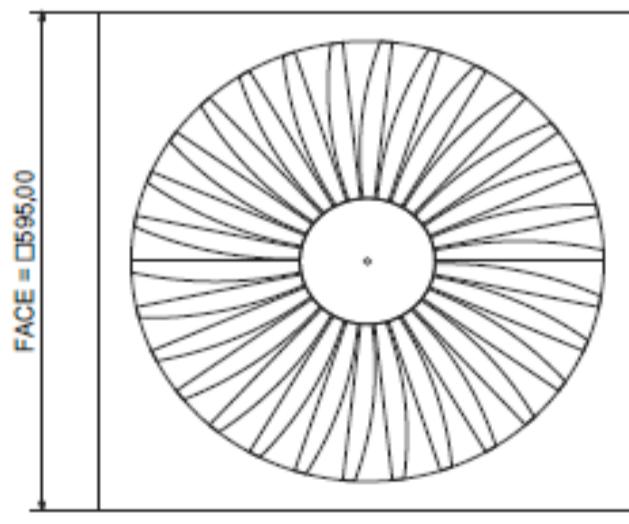
Swirl Diffusers are manufactured from steel with pressed internal blades that is suitable for lay-in ceiling applications and for surface mounting in plaster-board or similar ceilings.

Standard stock size is 595 x 595 (Lay-in). Additional sizes and styles available on request

FINISH

Available as standard in White Powder Coat Finish. Other Powder Coat finishes are also available.

DIMENSIONS

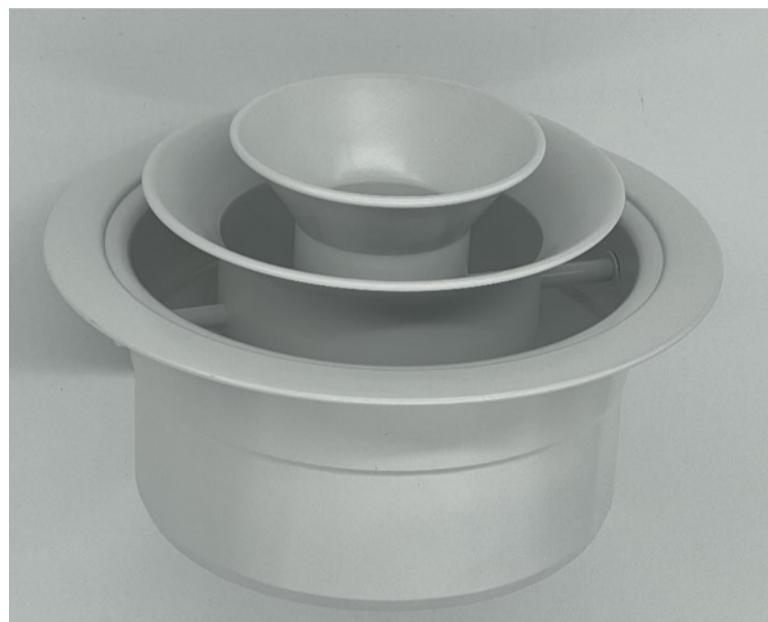


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JET DIFFUSER



DESCRIPTION

The Jet Diffuser is a versatile solution for efficiently conditioning large spaces with high ceilings. Constructed from spun aluminium, its cone-shaped design handles high air velocities for long throws, making it ideal for any large areas with high ceilings such as warehouses, shopping centres, sports halls, auditoriums, airports, and industrial areas. It's adaptable for various installations, offers seamless transition between 'jet' and 'diffuse' positions, and can rotate 180 degrees for spot cooling/heating.

The ability to achieve double the throw of air in straight air pattern mode compared to diffused pattern mode enhances its effectiveness in distributing air evenly across large spaces. With a standard white satin finish, the Jet Diffuser blends well with various interior designs, although other finishes are available upon request.

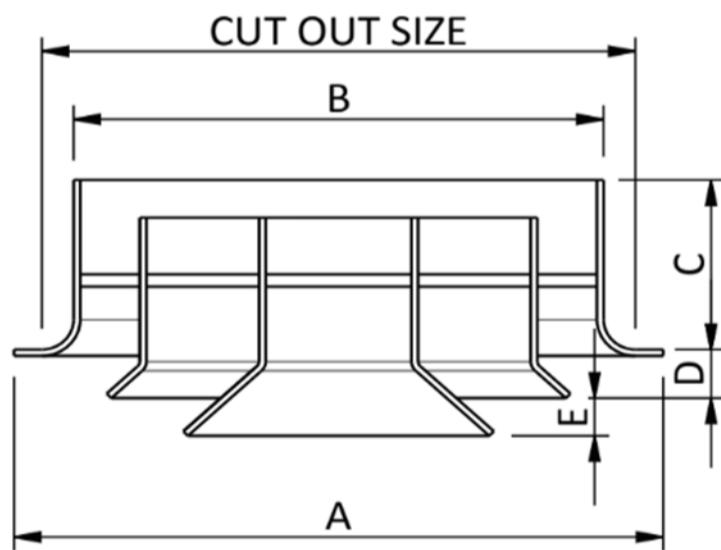
Quality and Service at an affordable price



STOCK SIZES

Size (DIA) (B)	CUT OUT SIZE	A	C	D	E
200	230	250	105	30	15
250	280	300	105	35	15
300	330	355	105	35	20
350	380	410	105	35	20

DIMENSIONS



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PERFORMANCE DATA

Jet Mode

Size (mm)	Neck Air Velocity(m/s)	Airflow Rate (l/s)	Throw (m) Min	Throw (m) Min-Max	Pressure Loss (Pa)	NR Level
200	1.5	50	3	5	19	
	2.0	63	5	7	27	26
	2.5	85	7	8	48	35
	3.0	99	9	11	68	41
	3.5	118	12	14	85	47
250	1.5	80	4	6	19	
	2.0	103	7	9	31	29
	2.5	132	10	12	50	37
	3.0	155	13	15	60	39
	3.5	183	16	17	70	45
300	1.5	101	5	7	12	
	2.0	135	8	11	22	24
	2.5	169	11	13	31	28
	3.0	203	14	16	40	33
	3.5	232	17	20	62	40
350	1.5	124	6	8	11	
	2.0	165	9	12	23	26
	2.5	207	13	15	35	32
	3.0	249	17	20	46	36
	3.5	284	21	23	70	40

Quality and Service at an affordable price



PERFORMANCE DATA

Diffused Mode

Size (mm)	Neck Air Velocity (m/s)	Airflow Rate (l/s)	Throw (m) Min	Throw (m) Max	Pressure Loss (Pa)	NR Level
200	1.5	50	2	3	8	
	2.0	63	2	4	15	
	2.5	85	3	5	22	18
	3.0	99	4	6	33	26
	3.5	118	5	6	45	30
	4.0	132	5	7	59	35
250	5.0	165	6	10	90	45
	1.5	80	2	4	8	
	2.0	103	3	5	12	
	2.5	132	4	6	21	23
	3.0	155	5	7	29	28
	3.5	183	6	9	44	34
300	4.0	207	7	11	53	38
	5.0	260	8	13	88	46
	1.5	101	2	5	8	
	2.0	135	5	7	10	
	2.5	169	8	9	19	24
	3.0	203	10	11	26	28
350	3.5	232	12	14	33	34
	4.0	266	14	16	49	38
	5.0	333	16	17	75	47
	1.5	124	3	5	8	
	2.0	165	6	7	11	
	2.5	207	8	10	18	25
400	3.0	249	10	12	25	28
	3.5	284	13	15	35	34
	4.0	326	16	17	48	38
	5.0	408	18	20	70	48

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OPPOSED BLADE DAMPER



DESCRIPTION

Airlinx Opposed Blade Dampers (OBD's) are a device that is designed to regulate airflow by a series of linked blades that rotate in an opposite direction. The design of the Opposed Blade Damper maintains an even and controllable air flow over all operating positions.

Opposed Blade Dampers are most commonly used in supply and exhaust systems to control the volume of air and achieve the desired air flow. Located directly behind the register or grille the opposed blade

damper has an adjustment screw that can be accessed through the face of the register or grille.

Quality and Service at an affordable price



OPPOSED BLADE DAMPER

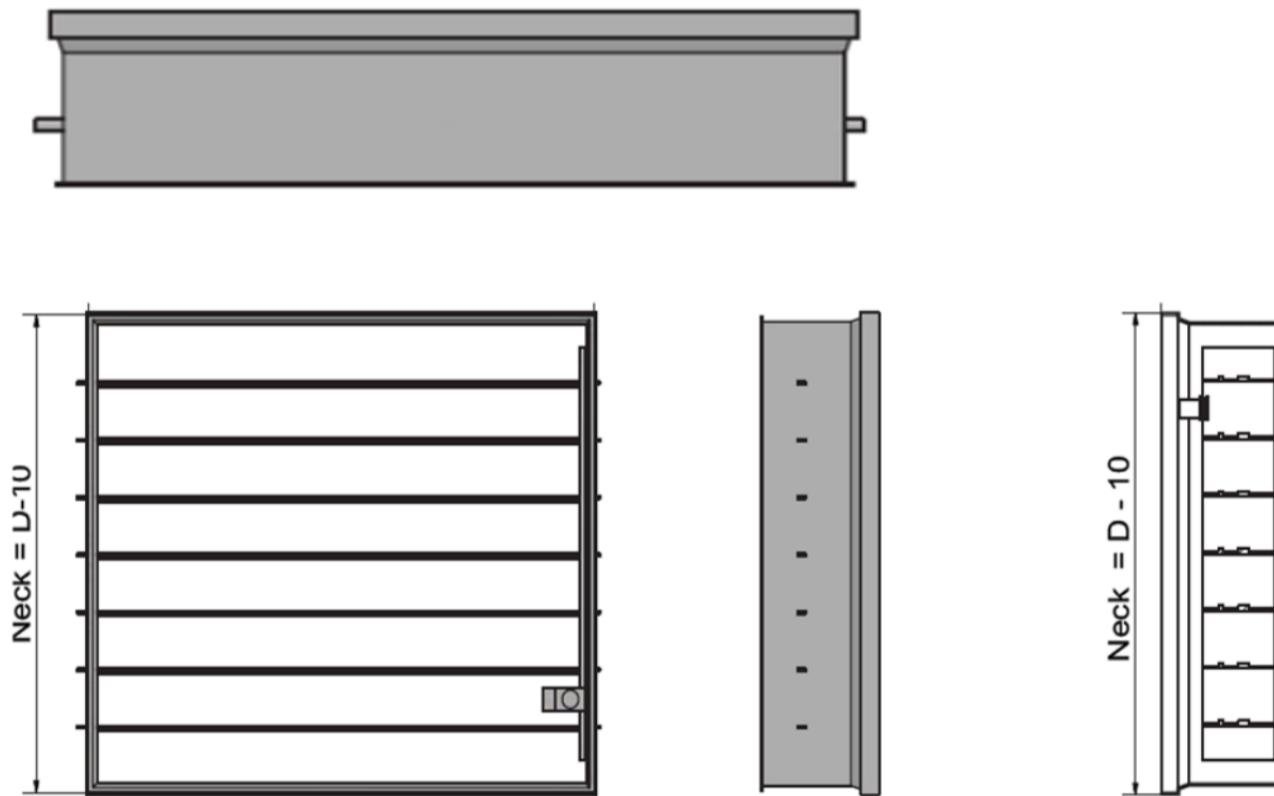
CONSTRUCTION

Airlinx Opposed Blade Dampers are constructed from zincanneal.

FINISH

Available with a Black enamel finish.

DIMENSIONS

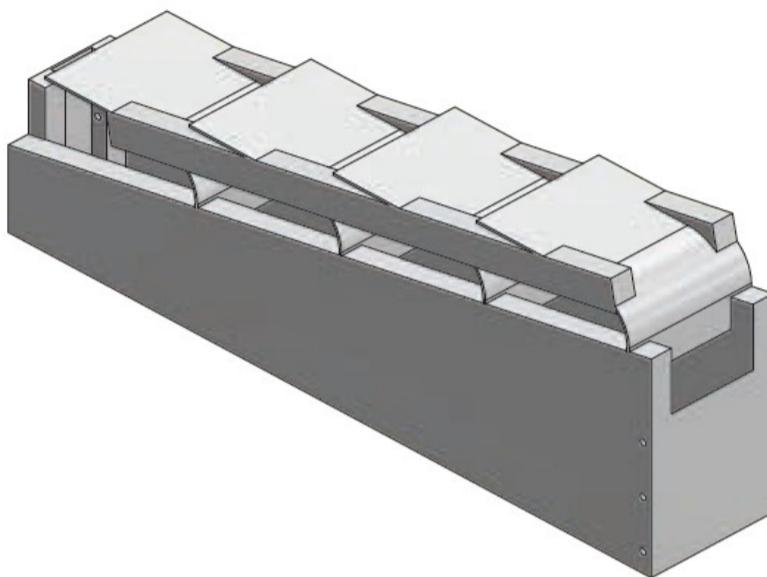


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STREAM SPLITTER DAMPER



DESCRIPTION

Airlinx Stream Splitter Dampers (SSD's) are a device that is designed to scoop the air passing through a duct by a series of linked blades that rotate in a parallel direction. The Stream Splitter Damper blades have an adjustment screw that is accessed through the face of the registers, where the blades can be opened to capture more air from the duct or closed for less air as required.

The design of the Stream Splitter Damper provides an even air flow across the register face and further provides regulation of air flow over all operating positions.

Airlinx Steam Splitter Dampers should be fixed where the outlet connection to the grille joins the main supply duct in order to turn the air and provide a uniform distribution of air over the face of the grille.

Quality and Service at an affordable price



STREAM SPLITTER DAMPER

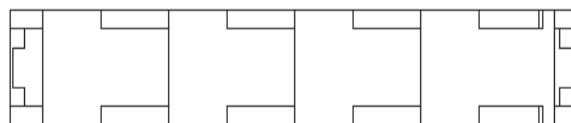
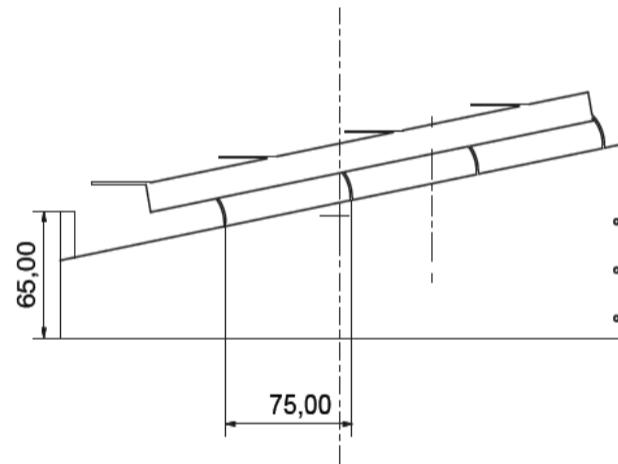
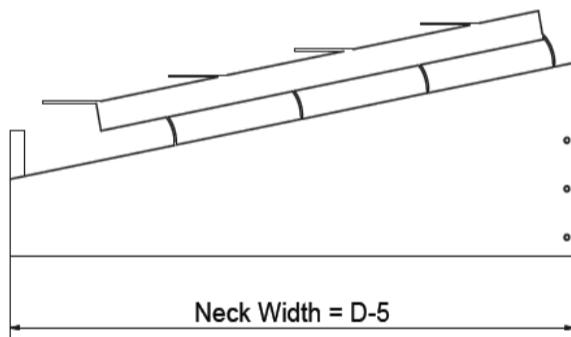
CONSTRUCTION

Airlinx Stream Splitter Dampers are constructed from zincanneal.

FINISH

Available with a Black enamel finish.

DIMENSIONS



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SADDLE FOR CURVED FACE GRILLES



Saddles for Curved Face Grilles are custom made by galvanised metal sheet. It can sit on Spiral duct or oval duct.

Please contact Airlinx for any enquiries



DIFFUSER MOUNTING FRAME

Diffuser Mounting Frames are custom made.

Please contact Airlinx for any enquiries.

Aluminium is 1mm thick



All Metal or Aluminium Grille
can be Powder Coated.

Quality and Service at an affordable price

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