



Eggcrate Grille - Fixed Core

General Information:

Ventech Eggcrate Grille is manufactured by lightweight and anti-corrosion aluminium. Eggcrate Grille has unique type of criss-cross aluminium forms an egg crate appearance. It is the most common used grille type for ceiling mounted return air and toilet exhaust functions. These grilles are also used in crowded indoor environment where there is a high need for regular fresh air replenishment such as retail outlets, hotels, and other commercial applications.

Features:

- Ceiling and wall mounted.
- Aluminium construction
- Powder coat finish
- All size available upon request
- Available loose and removable core
- Neck adapter available to suit various sizes



CORE		CORE VEL. M/s	1.53	2.04	2.55	3.06	3.57	4.08	5.1	6.12	7.14	8.16
AREA	NOMINAL SIZE(mm)	VEL. PRESS	2	3	4	6	8	10	16	23	31	40
m ²		NEG. SP	3	5	8	12	16	20	31	45	54	80
0.014	175 x 100 150 x 125	m ³ /s	0.022	0.029	0.037	0.045	0.053	0.060	0.075	0.089	0.104	0.119
		NC					12	16	23	28	34	38
0.017	200 x 100 150 x 150	m ³ /s	0.027	0.035	0.045	0.055	0.062	0.071	0.089	0.107	0.124	0.144
	175 x 125	NC					13	17	24	29	35	39
0.020	250 x 100 175 x 150	m ³ /s	0.033	0.045	0.055	0.064	0.077	0.087	0.109	0.131	0.153	0.173
	200 x 125 200 x 125	NC					14	18	25	30	36	40
0.024	300 x 100 200 x 150	m ³ /s	0.040	0.053	0.064	0.077	0.089	0.104	0.129	0.153	0.181	0.206
	250 x 125	NC					15	19	26	32	37	41
0.028	350 x 100	m ³ /s	0.045	0.060	0.075	0.089	0.104	0.119	0.149	0.179	0.208	0.238
		NC				11	16	20	27	33	38	42
0.032	400 x 100 250 x 150	m ³ /s	0.049	0.067	0.084	0.102	0.119	0.133	0.169	0.204	0.235	0.270
	300 x 125	NC				12	17	21	28	34	39	43
0.036	450 x 100 300 x 150	m ³ /s	0.057	0.077	0.097	0.117	0.137	0.153	0.193	0.233	0.264	0.310
	350 x 125 200 x 200	NC				13	18	22	29	35	40	44
0.043	500 x 100 350 x 150	m ³ /s	0.069	0.091	0.114	0.137	0.159	0.184	0.228	0.273	0.315	0.364
	400 x 125 250 x 200	NC				14	19	23	30	36	41	45
0.048	600 x 100 400 x 150	m ³ /s	0.077	0.104	0.129	0.153	0.181	0.206	0.257	0.310	0.362	0.412
	450 x 125	NC				15	20	24	32	37	42	46
0.056	700 x 100 450 x 150 250 x 250	m ³ /s	0.089	0.119	0.149	0.179	0.208	0.238	0.297	0.357	0.417	0.476
	500 x 125 300 x 200	NC				16	21	25	33	38	43	47
0.064	750 x 100 500 x 150 300 x 250	m ³ /s	0.102	0.137	0.171	0.206	0.240	0.273	0.342	0.412	0.479	0.545
	600 x 125 350 x 200	NC				16	21	25	33	38	43	47
0.075	900 x 100 550 x 150 350 x 250	m ³ /s	0.122	0.161	0.201	0.240	0.280	0.322	0.401	0.481	0.560	0.645
	700 x 125 400 x 200	NC			11	17	22	26	34	39	44	48
0.084	1000 x 100 650 x 150 400 x 250	m ³ /s	0.133	0.179	0.223	0.268	0.312	0.357	0.446	0.536	0.625	0.714
	750 x 125 450 x 200 300 x 300	NC			12	18	23	27	35	40	45	49
0.099	1225 x 100 750 x 150 350 x 300	m ³ /s	0.159	0.213	0.266	0.317	0.372	0.424	0.530	0.634	0.743	0.847
	900 x 125 450 x 250	NC			13	19	24	28	36	41	46	50
0.118	850 x 150 500 x 250 350 x 350	m ³ /s	0.176	0.233	0.293	0.352	0.408	0.468	0.585	0.704	0.818	0.937
	600 x 200 400 x 300	NC			14	20	25	29	37	42	47	51
0.125	1525 x 100 900 x 150 400 x 350	m ³ /s	0.198	0.266	0.332	0.399	0.469	0.530	0.665	0.798	0.931	1.061
	1225 x 125 450 x 300	NC			15	21	26	30	38	43	48	53
0.149	1825 x 100 600 x 250 450 x 350	m ³ /s	0.238	0.317	0.397	0.476	0.555	0.634	0.793	0.951	1.113	1.271
	750 x 200 550 x 300 400 x 400	NC			16	22	27	32	39	44	49	54
0.167	1525 x 125 900 x 200 450 x 400 600 x 300	m ³ /s	0.268	0.357	0.446	0.536	0.625	0.714	0.893	1.071	1.250	1.428
	1225 x 150 750 x 250 500 x 350	NC			16	22	27	32	39	44	49	54
0.193	1825 x 125 1000 x 200 750 x 300 500 x 400	m ³ /s	0.310	0.412	0.516	0.620	0.723	0.823	1.031	1.239	1.439	1.649
	1525 x 150 900 x 250 600 x 350 450 x 450	NC		11	17	23	28	33	40	45	50	55
0.228	1825 x 150 800 x 300 600 x 400	m ³ /s	0.364	0.486	0.605	0.729	0.853	0.971	1.218	1.460	1.701	1.943
	1225 x 200 650 x 350 500 x 450	NC		12	18	24	29	34	41	46	51	56
0.258	900 x 300 650 x 400 550 x 500	m ³ /s	0.414	0.550	0.689	0.827	0.966	1.103	1.376	1.659	1.932	2.205
	750 x 350 600 x 450	NC		13	19	25	30	35	42	47	53	57
0.289	1525 x 200 1000 x 300 750 x 400 600 x 500	m ³ /s	0.463	0.615	0.771	0.927	1.082	1.239	1.544	1.848	2.153	2.468
	1225 x 250 900 x 350 650 x 450 550 x 550	NC		14	20	26	32	36	43	48	54	58
0.335	1825 x 200 1225 x 300 750 x 450	m ³ /s	0.536	0.714	0.893	1.071	1.250	1.428	1.785	2.142	2.499	2.867
	1525 x 250 900 x 400 600 x 600	NC		14	20	26	32	36	43	48	54	58
0.399	1225 x 350 800 x 500	m ³ /s	0.639	0.853	1.061	1.271	1.491	1.701	2.132	2.552	2.982	3.402
	900 x 450 700 x 600	NC		15	21	27	33	37	44	49	55	59
0.432	1825 x 250 900 x 500	m ³ /s	0.694	0.922	1.155	1.386	1.617	1.848	2.310	2.762	3.224	3.686
	1225 x 400 750 x 600	NC		16	22	28	34	38	45	50	56	60
0.518	1825 x 300 1225 x 450	m ³ /s	0.827	1.103	1.386	1.659	1.943	2.216	2.762	3.318	3.875	4.431
	1525 x 350 900 x 600	NC		17	23	29	35	39	46	51	57	61
0.581	1825 x 350 1225 x 500	m ³ /s	0.931	1.239	1.544	1.859	2.174	2.478	3.098	3.717	4.337	4.956
	1525 x 400	NC	11	18	24	30	36	40	47	53	58	62

Note: Neg.SP is negative static pressure, Pressure unit is Pascals, NC values are based on room absorption of 10 db.