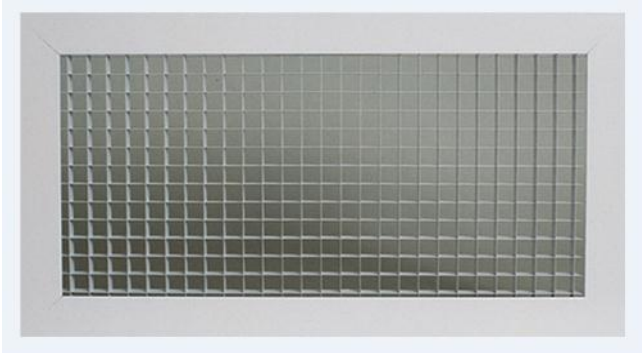
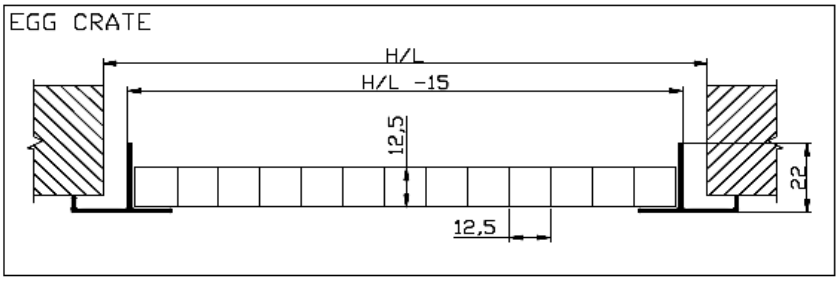


Egg Crate



All aluminum return grille with 12.5 x 12.5 mm (0 or 45 degree inclination) egg crate louver core - 80% free air passage.

These grilles are most suitable for return cold or hot air in both industrial and domestic installations.

Specifications

*** Sizes can be made to order.**
*** Finish: Baked powder painted with the elegant New Studio cream/off-white shade.**
*** Optional - RAL colors.**
*** Optional - OBD Damper.**
*** H, L - Nominal ordering sizes (duct opening size).**

Fixing Methods

*** Visible screws (Option - matching colors).**
*** TZ friction dig-in spring - suitable for wooden sub frame or ABS plenums.**

metalpress

Technical Data

Performance Data - EGG CRATE

L X H	100X	200	250	300	350	400	450	500	600	700
M³/H										
100	Vel	2.59	2.00	1.62	1.37	1.18	1.04	0.93	0.77	0.65
	P	0.34	0.2	0.13	0.1	0.07	0.06	0.04	0.03	0.02
	dbA	17	15	15	15	15	15	15	15	15
200	Vel	5.17	3.99	3.25	2.74	2.37	2.09	1.86	1.54	1.31
	P	1.36	0.81	0.54	0.38	0.29	0.22	0.18	0.12	0.09
	dbA	29	27	25	23	21	19	17	15	15
300	Vel	7.76	5.99	4.87	4.11	3.55	3.13	2.79	2.3	1.96
	P	3.07	1.83	1.21	0.86	0.64	0.5	0.4	0.27	0.2
	dbA	38	35	33	31	29	27	26	23	20
400	Vel	10.34	7.98	6.5	5.48	4.74	4.17	3.73	3.07	2.61
	P	5.45	3.25	2.15	1.53	1.14	0.71	0.48	0.39	0.35
	dbA	44	42	39	37	36	34	32	29	26
500	Vel	12.93	9.98	8.12	6.85	5.92	5.21	4.66	3.84	3.27
	P	8.52	5.07	3.36	2.39	1.79	1.39	1.11	0.75	0.54
	dbA	49	47	45	43	41	39	37	34	31
600	Vel			9.75	8.22	7.10	6.26	5.59	4.61	3.92
	P			4.84	3.44	2.57	2	1.59	1.08	0.78
	dbA			49	47	45	43	42	38	36
700	Vel					8.29	7.3	6.52	5.38	4.57
	P					3.5	2.72	2.17	1.47	1.07
	dbA					49	47	45	42	39
800	Vel							7.45	6.14	5.22
	P							2.83	1.92	1.39
	dbA							49	46	43
900	Vel								6.91	5.88
	P								2.44	1.76
	dbA								49	46
1000	Vel									6.53
	P									2.18
	dbA									48
1100	Vel									
	P									
	dbA									
1200	Vel									
	P									
	dbA									
1300	Vel									
	P									
	dbA									

metalpress

Technical Data

Performance Data - EGG CRATE

L X H	150X	200	250	300	350	400	450	500	600	700
M³/H										
100	Vel	1.50	1.16	0.94	0.79	0.69	0.60	0.54	0.45	0.38
	P	0.11	0.07	0.05	0.03	0.02	0.02	0.01	0.01	0.01
	dbA	15	15	15	15	15	15	15	15	15
200	Vel	3.00	2.31	1.88	1.59	1.37	1.21	1.08	0.89	0.76
	P	0.46	0.87	0.18	0.13	0.10	0.07	0.06	0.04	0.03
	dbA	24	20	18	15	15	15	15	15	15
300	Vel	4.50	3.47	2.83	2.38	2.06	1.81	1.62	1.34	1.14
	P	1.03	0.61	0.41	0.29	0.22	0.17	0.13	0.09	0.07
	dbA	32	29	26	23	21	18	16	15	15
400	Vel	6	4.63	3.77	3.18	2.75	2.42	2.16	1.78	1.51
	P	1.83	1.09	0.72	0.51	0.38	0.30	0.24	0.16	0.12
	dbA	38	35	32	30	27	25	23	19	15
500	Vel	7.50	5.78	4.71	3.97	3.43	3.02	2.70	2.23	1.89
	P	2.87	1.71	1.13	0.80	0.60	0.47	0.37	0.25	0.18
	dbA	44	40	37	35	32	30	28	24	20
600	Vel	8.99	6.94	5.65	4.76	4.12	3.63	3.24	2.67	2.27
	P	4.13	5.46	1.63	1.16	0.87	0.67	0.54	0.36	0.26
	dbA	48	45	42	39	37	34	32	28	24
700	Vel		8.10	6.59	5.56	4.81	4.23	3.78	3.12	2.65
	P		3.34	2.22	1.58	1.18	0.91	0.73	0.50	0.36
	dbA		48	45	43	40	38	36	32	28
800	Vel			7.53	6.35	5.49	4.84	4.32	3.56	3.03
	P			2.9	2.06	1.54	1.19	0.95	0.65	0.47
	dbA			49	46	44	41	39	35	31
900	Vel				7.15	6.18	5.44	4.86	4.01	3.41
	P				2.61	1.95	1.51	1.21	0.82	0.59
	dbA				49	47	44	42	38	34
1000	Vel					6.87	6.05	5.40	4.45	3.79
	P					2.40	1.86	1.49	1.01	0.73
	dbA					49	47	45	41	37
1100	Vel									
	P									
	dbA									
1200	Vel									
	P									
	dbA									
1300	Vel									
	P									
	dbA									

metalpress

Technical Data

Performance Data - EGG CRATE

L X H	200X	200	250	300	350	400	450	500	600	700
M³/H										
100	Vel	1.06	0.81	0.66	0.56	0.48	0.43	0.38	0.31	0.27
	P	0.06	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0
	dbA	15	15	15	15	15	15	15	15	15
200	Vel	2.11	1.63	1.33	1.12	0.97	0.85	0.76	0.63	0.53
	P	0.23	0.14	0.09	0.06	0.05	0.04	0.03	0.02	0.01
	dbA	19	15	15	15	15	15	15	15	15
300	Vel	3.17	2.44	1.99	1.68	1.45	1.28	1.14	0.94	0.80
	P	0.51	0.30	0.20	0.14	0.1	0.08	0.07	0.05	0.03
	dbA	28	24	20	17	15	15	15	15	15
400	Vel	4.22	3.26	2.65	2.24	1.93	1.70	1.52	1.25	1.07
	P	0.91	0.54	0.36	0.26	0.19	0.15	0.12	0.08	0.06
	dbA	34	30	26	23	20	18	15	15	15
500	Vel	5.28	4.07	3.32	2.80	2.42	2.13	1.90	1.57	1.33
	P	1.42	0.85	0.56	0.40	0.30	0.23	0.18	0.13	0.09
	dbA	39	35	32	28	25	23	20	15	15
600	Vel	6.33	4.89	3.98	3.36	2.90	2.55	2.28	1.88	1.6
	P	2.05	1.22	0.81	0.57	0.43	0.33	0.27	0.18	0.13
	dbA	43	39	36	33	30	27	24	20	15
700	Vel	7.39	5.70	4.64	3.91	3.38	2.98	2.66	2.19	1.87
	P	2.78	1.66	1.10	0.78	0.58	0.45	0.36	0.25	0.18
	dbA	47	43	40	36	34	31	28	23	15
800	Vel		6.52	5.31	4.47	3.87	3.41	3.04	2.51	2.13
	P		2.17	1.44	1.02	0.76	0.59	0.47	0.32	0.23
	dbA		46	43	40	37	34	32	27	22
900	Vel		7.33	5.97	5.03	4.35	3.83	3.42	2.82	2.4
	P		2.74	1.82	1.29	0.97	0.75	0.60	0.41	0.29
	dbA		49	46	43	40	37	35	30	25
1000	Vel			6.63	5.59	4.83	4.26	3.80	3.45	2.67
	P			2.24	1.59	1.19	0.92	0.74	0.61	0.36
	dbA			49	46	43	40	37	35	28
1100	Vel				6.15	5.32	4.68	4.18	3.76	2.93
	P				1.93	1.44	1.12	0.89	0.72	0.44
	dbA				48	45	42	40	37	31
1200	Vel					5.80	5.11	4.56	4.08	3.20
	P					1.82	1.33	1.06	0.85	0.52
	dbA					47	45	42	39	33
1300	Vel					6.28	5.53	4.94		3.47
	P					2.01	1.56	1.25		0.61
	dbA					49	47	44		35

metalpress

Technical Data

Performance Data - EGG CRATE

L X H	250X	250	300	350	400	450	500	600	700	800
M³/H										
100	Vel	0.63	0.51	0.43	0.37	0.33	0.29	0.24	0.21	0.18
	P	0.02	0.01	0.01	0.01	0.01	0	0	0	0
	dbA	15	15	15	15	15	15	15	15	15
200	Vel	1.26	1.02	0.86	0.75	0.66	0.59	0.48	0.41	0.36
	P	0.08	0.05	0.04	0.03	0.02	0.02	0.01	0.01	0.01
	dbA	15	15	15	15	15	15	15	15	15
300	Vel	1.89	1.54	1.29	1.12	0.99	0.88	0.73	0.62	0.54
	P	0.18	0.12	0.09	0.06	0.05	0.04	0.03	0.02	0.01
	dbA	19	15	15	15	15	15	15	15	15
400	Vel	2.51	2.05	1.73	1.49	1.31	1.17	0.97	0.82	0.72
	P	0.32	0.21	0.15	0.11	0.09	0.07	0.05	0.03	0.03
	dbA	26	22	18	15	15	15	15	15	15
500	Vel	3.14	2.56	2.16	1.87	1.64	1.47	1.21	1.03	0.90
	P	0.50	0.33	0.24	0.18	0.14	0.11	0.07	0.05	0.04
	dbA	31	27	23	15	17	15	15	15	15
600	Vel	3.77	3.07	2.59	2.24	1.97	1.76	1.45	1.23	1.07
	P	0.73	0.48	0.34	0.26	0.20	0.16	0.11	0.08	0.06
	dbA	35	31	27	24	21	18	15	15	15
700	Vel	4.40	3.58	3.02	2.61	2.30	2.05	1.69	1.44	1.25
	P	0.99	0.65	0.47	0.35	0.27	0.22	0.15	0.11	0.08
	dbA	39	35	31	28	25	22	16	15	15
800	Vel	5.03	4.09	3.45	2.98	2.63	2.35	1.94	1.65	1.43
	P	1.29	0.85	0.61	0.45	0.35	0.28	0.19	0.14	0.10
	dbA	42	38	34	31	28	25	20	15	15
900	Vel	5.66	4.61	3.88	3.36	2.96	2.64	2.18	1.85	1.61
	P	1.63	1.08	0.77	0.57	0.45	0.36	0.24	0.17	0.13
	dbA	45	41	37	34	31	28	22	17	15
1000	Vel	6.29	5.12	4.32	3.73	3.29	2.94	2.42	2.06	1.79
	P	2.02	1.34	0.95	0.71	0.55	0.44	0.30	0.22	0.16
	dbA	48	44	40	37	34	31	25	20	16
1100	Vel		5.63	4.75	4.10	3.61	3.23	2.66	2.26	1.97
	P		1.62	1.15	0.86	0.67	0.53	0.36	0.26	0.20
	dbA		46	43	39	36	33	28	23	18
1200	Vel		6.14	5.18	4.48	3.94	3.52	2.90	2.47	2.15
	P		1.92	1.37	1.02	0.79	0.63	0.43	0.31	0.24
	dbA		49	45	42	38	35	30	25	20
1300	Vel			5.61	4.85	4.27	3.82	3.15	2.67	2.33
	P			1.61	1.20	0.93	0.74	0.50	0.36	0.28
	dbA			47	44	41	38	32	27	23

metalpress

Technical Data

Performance Data - EGG CRATE

L X H	300X	300	350	400	450	500	600	700	800	900
M³/H										
100	Vel	0.42	0.35	0.30	0.27	0.24	0.20	0.17	0.15	0.13
	P	0.01	0.01	0.00	0	0	0	0	0	0
	dbA	15	15	15	15	15	15	15	15	15
200	Vel	0.83	0.70	0.61	0.53	0.48	0.39	0.34	0.29	0.26
	P	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0
	dbA	15	15	15	15	15	15	15	15	15
300	Vel	1.25	1.05	0.91	0.80	0.72	0.59	0.50	0.44	0.39
	P	0.08	0.06	0.04	0.03	0.03	0.02	0.01	0.01	0.01
	dbA	15	15	15	15	15	15	15	15	15
400	Vel	1.67	1.41	1.21	1.07	0.96	0.79	0.67	0.58	0.52
	P	0.14	0.10	0.08	0.06	0.05	0.03	0.02	0.02	0.01
	dbA	17	15	15	15	15	15	15	15	15
500	Vel	2.08	1.76	1.52	1.34	1.19	0.98	0.84	0.73	0.64
	P	0.22	0.16	0.12	0.09	0.07	0.05	0.04	0.03	0.02
	dbA	22	18	15	15	15	15	15	15	15
600	Vel	2.50	2.11	1.82	1.60	1.43	1.18	1.01	0.87	0.77
	P	0.32	0.23	0.17	0.13	0.10	0.07	0.05	0.04	0.03
	dbA	27	23	19	15	15	15	15	15	15
700	Vel	2.92	2.46	2.13	1.87	1.67	1.38	1.17	1.02	0.90
	P	0.43	0.31	0.23	0.18	0.14	0.10	0.07	0.05	0.04
	dbA	30	26	23	19	16	15	15	15	15
800	Vel	3.33	2.81	2.43	2.14	1.91	1.58	1.34	1.17	1.03
	P	0.57	0.40	0.30	0.23	0.19	0.13	0.09	0.07	0.05
	dbA	34	30	26	22	19	15	15	15	15
900	Vel	3.75	3.16	2.73	2.41	2.15	1.77	1.51	1.31	1.16
	P	0.72	0.51	0.38	0.30	0.24	0.16	0.12	0.09	0.07
	dbA	37	33	29	25	22	16	15	15	15
1000	Vel	4.17	3.51	3.04	2.67	2.39	1.97	1.68	1.46	1.29
	P	0.89	0.63	0.47	0.36	0.29	0.20	0.14	0.11	0.08
	dbA	39	35	32	28	25	19	15	15	15
1100	Vel	4.58	3.86	3.34	2.94	2.63	2.17	1.84	1.60	1.42
	P	1.07	0.76	0.57	0.44	0.35	0.24	0.17	0.13	0.10
	dbA	42	38	34	31	27	21	16	15	15
1200	Vel	5.00	4.22	3.64	3.21	2.97	2.36	2.01	1.75	1.55
	P	1.27	0.91	0.68	0.53	0.42	0.28	0.21	0.16	0.12
	dbA	44	40	36	33	30	24	18	15	15
1300	Vel	5.42	4.57	3.95	3.48	3.11	2.56	2.18	1.89	1.68
	P	1.50	1.06	0.80	0.62	0.49	0.33	0.24	0.18	0.14
	dbA	46	42	39	35	32	26	20	15	15