

Overview

**12 Months
Warranty**

STOCKED RANGE Eggcrate Grilles

Description

Suitable for handling large air volumes, eggcrate grilles are ideal as intakes to air handling units, and for areas where high changeover rates are required. A 90% free area makes eggcrate grilles the most efficient grilles available for return air applications.

Construction

The frame is manufactured from extruded aluminium with hairline mitred joints mechanically held, while the core is held in by the unique frame design. The core is aluminium and can be offered as either fixed, loose, removable or hinged. Matching Opposed Blade Dampers are also available constructed from extruded aluminium.

PRODUCT CODE	DESCRIPTION
EGR	Round eggcrate grille
EG	Fixed core eggcrate grille
LCEG	Loose core eggcrate grille
RCEG	Removable core eggcrate grille
HERAG	Hinged eggcrate grille with filter
FCEG	Fixed core eggcrate grille with fixing clip reducing neck
FCRCEG	Removable core eggcrate grille with fixing clip reducing neck
ECC	Eggcrate core
ECC35°	Non-vision core eggcrate core

Note:

- Powder coated white as standard
- Custom sizes and colours are available upon request
- [For product performance data, see pages 320 - 321](#)

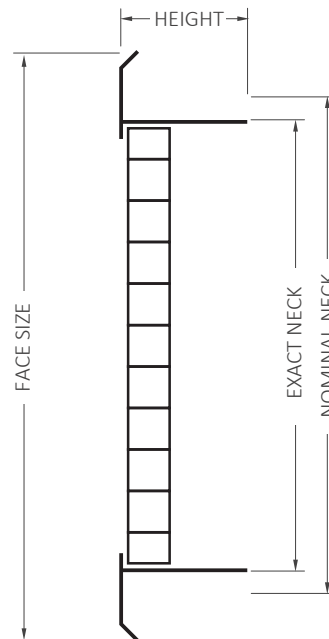
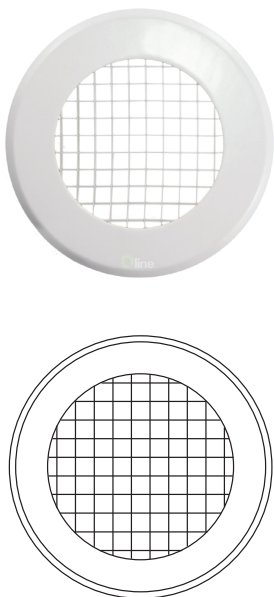


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Round Eggcrate					
PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE (mm)	HEIGHT (mm)	PIECES/ CARTON
EGR6	150 Dia	140 Dia	200 Dia	40	20
EGR8	200 Dia	190 Dia	250 Dia	40	20
EGR10	250 Dia	240 Dia	305 Dia	45	20
EGR12	300 Dia	290 Dia	355 Dia	45	20



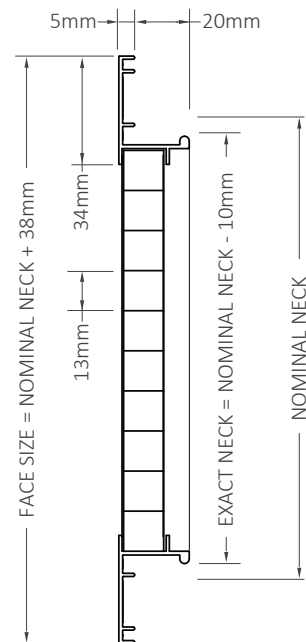
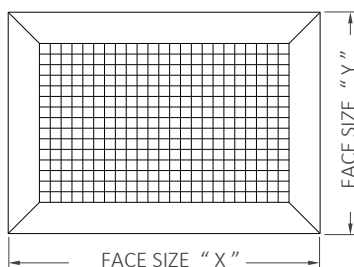
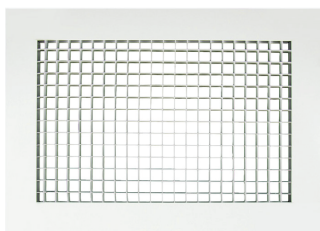
Round Eggcrate Grilles: EGR



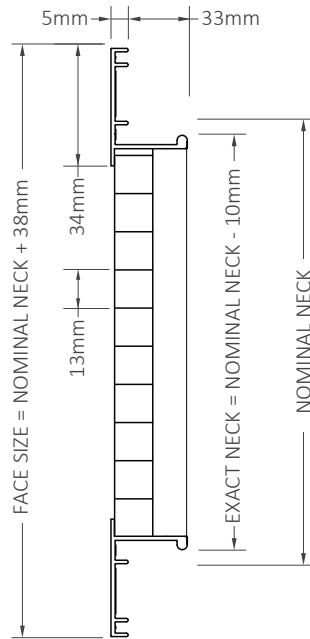
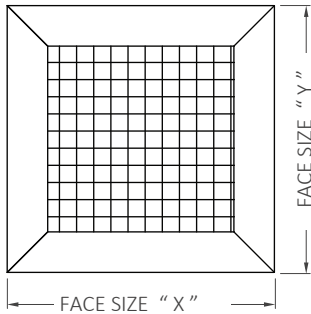
Eggcrate Grilles									
NOMINAL NECK (mm)	FIXED CORE			LOOSE CORE			REMOVABLE CORE		
	PRODUCT CODE	EXACT NECK (mm)	FACE SIZE X & Y (mm)	PRODUCT CODE	EXACT NECK (mm)	FACE SIZE X & Y (mm)	PRODUCT CODE	EXACT NECK (mm)	FACE SIZE X & Y (mm)
150 x 150	EG66	140 x 140	188 x 188	LCEG66	140 x 140	188 x 188	RCEG66	140 x 140	180 x 180
200 x 200	EG88	190 x 190	238 x 238	LCEG88	190 x 190	238 x 238	RCEG88	190 x 190	230 x 230
225 x 225	EG99	215 x 215	263 x 263	LCEG99	215 x 215	263 x 263	-	-	-
250 x 250	EG1010	240 x 240	288 x 288	LCEG1010	240 x 240	288 x 288	RCEG1010	240 x 240	280 x 280
300 x 300	EG1212	290 x 290	338 x 338	LCEG1212	290 x 290	338 x 338	RCEG1212	290 x 290	330 x 330
600 x 300	EG2412	590 x 290	638 x 338	LCEG2412	590 x 290	638 x 338	-	-	-
350 x 350	EG1414	340 x 340	388 x 388	LCEG1414	340 x 340	388 x 388	RCEG1414	340 x 340	380 x 380
400 x 400	EG1616	390 x 390	438 x 438	LCEG1616	390 x 390	438 x 438	RCEG1616	390 x 390	430 x 430
600 x 400	EG2416	590 x 390	638 x 438	LCEG2416	590 x 390	638 x 438	-	-	-
450 x 450	EG1818	440 x 440	488 x 488	LCEG1818	440 x 440	488 x 488	RCEG1818	440 x 440	480 x 480
500 x 500	EG2020	490 x 490	538 x 538	LCEG2020	490 x 490	538 x 538	RCEG2020	490 x 490	530 x 530
600 x 600	EG2424	590 x 590	638 x 638	LCEG2424	590 x 590	638 x 638	-	-	-
1200 x 600	EG4824	1190 x 590	1238 x 638	LCEG4824	1190 x 590	1238 x 638	-	-	-

Lay-in Eggcrate Grilles									
FACE SIZE X & Y (mm)	FIXED CORE			LOOSE CORE			REMOVABLE CORE		
	PRODUCT CODE	EXACT NECK (mm)	NOMINAL NECK (mm)	PRODUCT CODE	EXACT NECK (mm)	NOMINAL NECK (mm)	PRODUCT CODE	EXACT NECK (mm)	NOMINAL NECK (mm)
295 x 295	EG295F	247 x 247	257 x 257	-	-	-	-	-	-
395 x 395	EG395F	347 x 347	357 x 357	LCEG395F	347 x 347	357 x 357	-	-	-
595 x 295	EG595295F	547 x 247	557 x 257	LCEG595295F	547 x 247	557 x 257	RCEG595295F	555 x 255	565 x 265
595 x 395	EG595395F	547 x 347	557 x 357	LCEG595395F	547 x 347	557 x 357	-	-	-
595 x 595	EG595F	547 x 547	557 x 557	LCEG595F	547 x 547	557 x 557	RCEG595F	555 x 555	565 x 565
605 x 605	EG605F	557 x 557	567 x 567	LCEG605F	557 x 557	567 x 567	-	-	-
1195 x 595	EG1195595F	1147 x 547	1157 x 557	LCEG1195595F	1147 x 547	1157 x 557	RCEG1195595F	1155 x 555	1165 x 565
1210 x 605	EG1210605F	1162 x 557	1172 x 567	LCEG1210605F	1162 x 557	1172 x 567	-	-	-

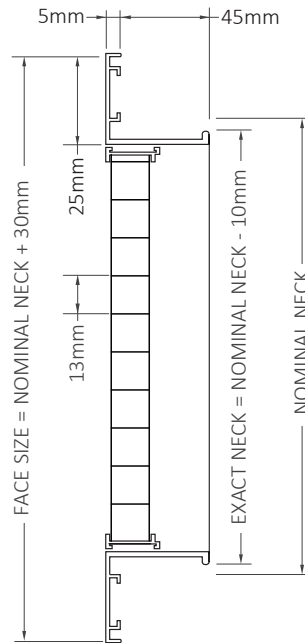
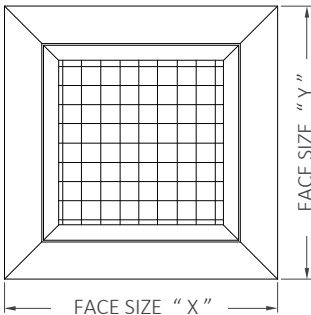
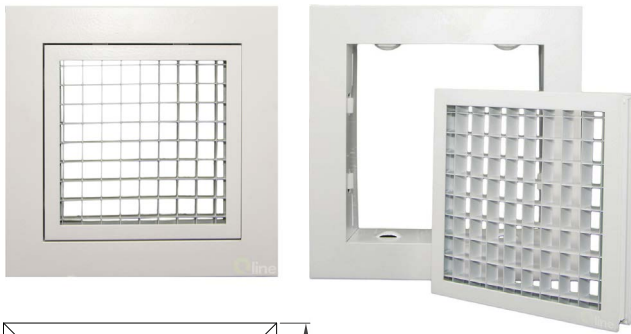
Fixed Core Eggcrate Grilles: EG



Loose Core Eggcrate Grilles: LCEG



Removable Core Eggcrate Grilles: RCEG



Related Products for Fixed Core Eggcrate Grilles

CB	OBD	FCE	RN	ALPBF	ALPBM
see pg.267	see pg.68	see pg.276	see pg.276	see pg.226	see pg.227

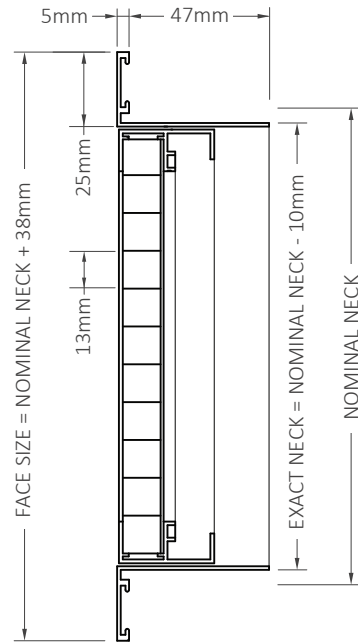
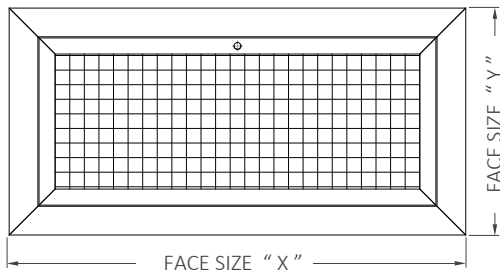
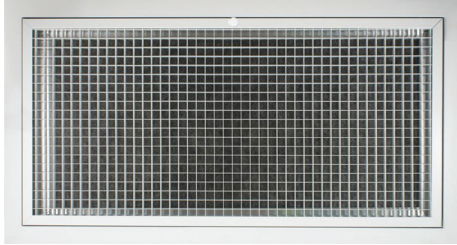
Hinged Eggcrate with Filter				Hinged Eggcrate with Filter			
PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE X & Y (mm)	PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE X & Y (mm)
HERAG88	200 x 200	190 x 190	238 x 238	HERAG2020	500 x 500	490 x 490	538 x 538
HERAG1010	250 x 250	240 x 240	288 x 288	HERAG2420	600 x 500	590 x 490	638 x 538
HERAG1212	300 x 300	290 x 290	338 x 338	HERAG2820	700 x 500	690 x 490	738 x 538
HERAG1612	400 x 300	390 x 290	438 x 338	HERAG3020	750 x 500	740 x 490	788 x 538
HERAG2412	600 x 300	590 x 290	638 x 338	HERAG3220	800 x 500	790 x 490	838 x 538
HERAG1414	350 x 350	340 x 340	388 x 388	HERAG3620	900 x 500	890 x 490	938 x 538
HERAG1614	400 x 350	390 x 340	438 x 388	HERAG4020	1000 x 500	990 x 490	1038 x 538
HERAG1616	400 x 400	390 x 390	438 x 438	HERAG2422	600 x 550	590 x 540	638 x 588
HERAG2016	500 x 400	490 x 390	538 x 438	HERAG2622	650 x 550	640 x 540	688 x 588
HERAG2416	600 x 400	590 x 390	638 x 438	HERAG2822	700 x 550	690 x 540	738 x 588
HERAG2816	700 x 400	690 x 390	738 x 438	HERAG3022	750 x 550	740 x 540	788 x 588
HERAG3016	750 x 400	740 x 390	788 x 438	HERAG3622	900 x 550	890 x 540	938 x 588
HERAG3616	900 x 400	890 x 390	938 x 438	HERAG2424	600 x 600	590 x 590	638 x 638
HERAG4016	1000 x 400	990 x 390	1038 x 438	HERAG3024	750 x 600	740 x 590	788 x 638
HERAG4816	1200 x 400	1190 x 390	1238 x 438	HERAG3224	800 x 600	790 x 590	838 x 638
HERAG1818	450 x 450	440 x 440	488 x 488	HERAG3424	850 x 600	840 x 590	888 x 638
HERAG2418	600 x 450	590 x 440	638 x 488	HERAG3624	900 x 600	890 x 590	938 x 638
HERAG3018	750 x 450	740 x 440	788 x 488	HERAG4824	1200 x 600	1190 x 590	1238 x 638
HERAG3618	900 x 450	890 x 440	938 x 488	HERAG3226	800 x 650	790 x 640	838 x 688

Lay-in Hinged Eggcrate with Filter				Lay-in Hinged Eggcrate with Filter			
PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE X & Y (mm)	PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE X & Y (mm)
HERAG595295F	557 x 257	547 x 247	595 x 295	HERAG1195595F	1157 x 557	1147 x 547	1195 x 595
HERAG595F	557 x 557	547 x 547	595 x 595	HERAG1210605F	1172 x 567	1162 x 557	1210 x 605
HERAG605F	567 x 567	557 x 557	605 x 605				

Hinged Eggcrate with Electrostatic Filter				Hinged Eggcrate with Electrostatic Filter			
PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE X & Y (mm)	PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE X & Y (mm)
EFHERAG2016	500 x 400	490 x 390	538 x 438	EFHERAG3616	900 x 400	890 x 390	938 x 438
EFHERAG2416	600 x 400	590 x 390	638 x 438	EFHERAG4016	1000 x 400	990 x 390	1038 x 438
EFHERAG3016	750 x 400	740 x 390	788 x 438	EFHERAG4816	1200 x 400	1190 x 390	1238 x 438



Hinged Eggcrate Grilles: HERAG



Hinged Eggcrate with Electrostatic Filter

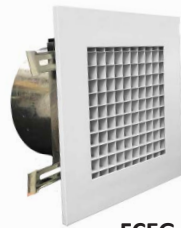
Related Products for Hinged Eggcrate Grilles with Filter

RAB	RABS	ALPBF	ALPBM
see pg.263	see pg.263	see pg.226	see pg.227

Eggcrate with Neck Adaptor and Fixing Clips						
NOMINAL NECK/ CEILING OPENING (mm)	FIXED CORE			REMOVABLE CORE		
	PRODUCT CODE	FACE SIZE (mm)	SPIGOT (mm)	PRODUCT CODE	FACE SIZE (mm)	SPIGOT (mm)
150 x 150	FCEG664	188 x 188	100 Dia	-	-	-
150 x 150	FCEG665	188 x 188	125 Dia	-	-	-
150 x 150	FCEG666	188 x 188	150 Dia	FCRCEG666	180 x 180	150 Dia
150 x 150	FCEG666BFD	188 x 188	150 Dia	-	-	-
200 x 200	FCEG886	238 x 238	150 Dia	FCRCEG886	230 x 230	150 Dia
200 x 200	FCEG886BFD	238 x 238	150 Dia	-	-	-
200 x 200	FCEG888	238 x 238	200 Dia	FCRCEG888	230 x 230	200 Dia
200 x 200	FCEG888BFD	238 x 238	200 Dia	-	-	-
250 x 250	FCEG10108	288 x 288	200 Dia	-	-	-
250 x 250	FCEG101010	288 x 288	250 Dia	-	-	-
300 x 300	FCEG12128	338 x 338	200 Dia	-	-	-
300 x 300	FCEG121210	338 x 338	250 Dia	-	-	-
300 x 300	FCEG121212	338 x 338	300 Dia	-	-	-



FCEG



FCEG



FCRCEG

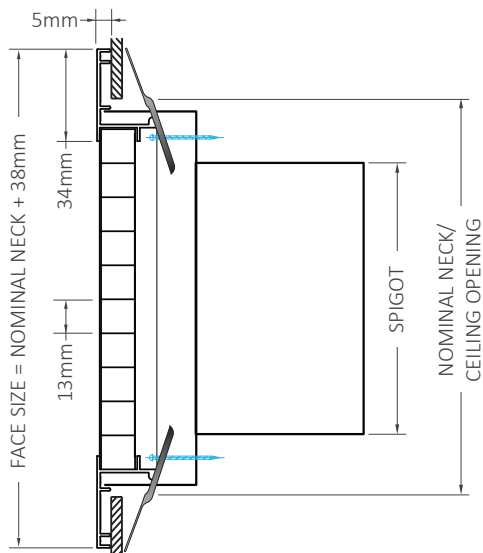


FCRCEG

Fixed Core Eggcrate Grille with Neck Adaptor and Fixing Clips: FCEG

Note:

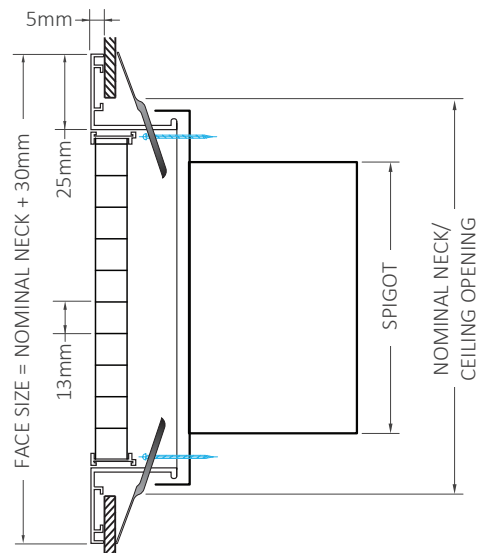
- Custom sizes are available upon request
- Powder coated white as standard
- Reducing necks sprayed black as standard

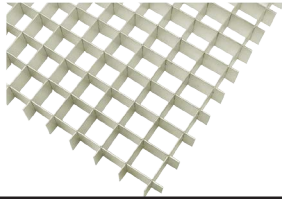


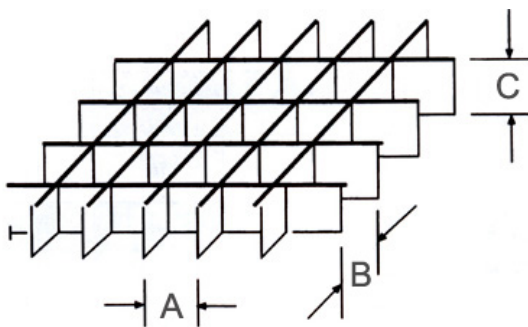
Removable Core Eggcrate Grille with Neck Adaptor and Fixing Clips: FCRCEG

Note:

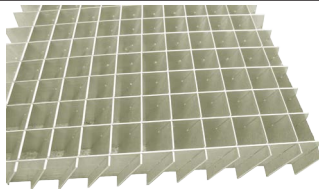
- Custom sizes are available upon request
- Powder coated white as standard
- Reducing necks sprayed black as standard

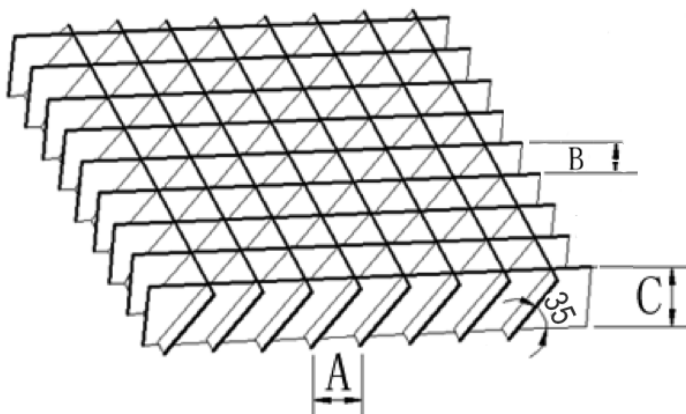


Eggcrate Core Only			
PRODUCT CODE	EXACT SIZE (mm)	FINISH	
ECC595W	595 x 595	WHITE	
ECC1195595W	1195 x 595	WHITE	
ECC1220M	1220 x 1220	MILL	
ECC1220W	1220 x 1220	WHITE	



A = 13mm
B = 13mm
C = 13mm

Non - Vision Eggcrate Core Only 35 Deg.			
PRODUCT CODE	EXACT SIZE (mm)	FINISH	
ECC351220M (35 Deg)	1220 x 1220	MILL	
ECC351220W (35 Deg)	1220 x 1220	WHITE	



A = 13mm
B = 13mm
C = 13mm

Round Eggcrate Grilles: EGR

Product Code	Core Area (m ²)	Core Velocity (m/s) Pressure Drop (Pa)	1.5	2	2.5	3	3.5	4	4.5	5	6
			0.76	1.35	2.1	3.03	4.12	5.38	6.81	8.41	12.1
EGR6	0.014	Flow Rate (l/s)	20	27	34	41	47	54	61	68	81
		NC Level	<15	<15	<15	18	22	25	28	31	36
EGR8	0.025	Flow Rate (l/s)	38	50	63	76	88	101	113	126	151
		NC Level	<15	<15	<15	19	23	26	29	32	37
EGR10	0.041	Flow Rate (l/s)	61	81	101	122	142	162	182	203	243
		NC Level	<15	<15	16	19	24	26	30	33	38
EGR12	0.059	Flow Rate (l/s)	89	119	149	178	208	238	267	297	356
		NC Level	<15	<15	16	20	25	27	30	34	39

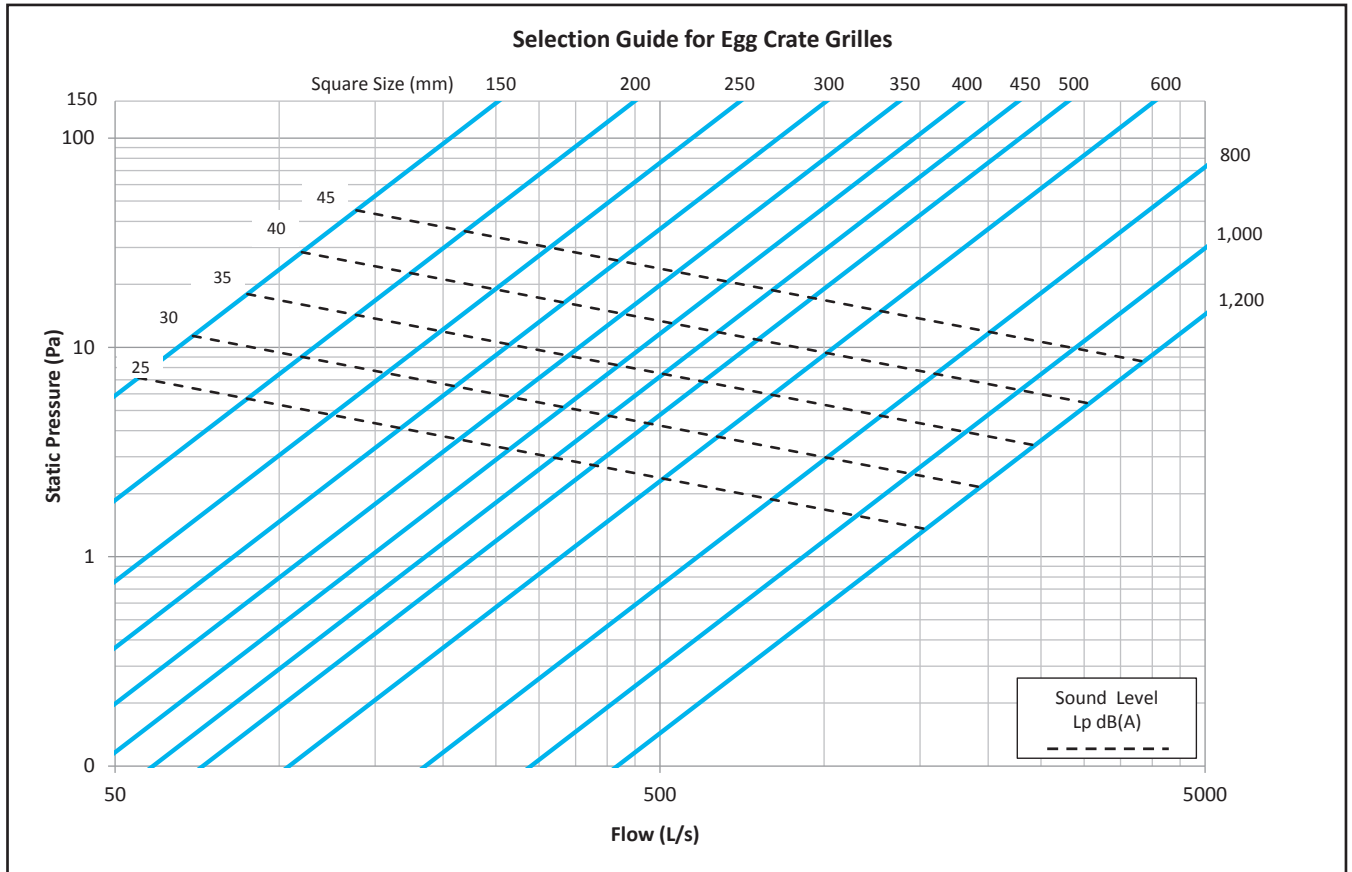
Eggcrate Grilles: EG/LCEG/RCEG/HERAG

Test Condition:

Data is based on Isothermal conditions with the grille installed into a ceiling at height of 2.7m from the floor level. Noise ratings are based on a room absorption level of 10db. Data is based on grilles without additional filters

Note:

- The free area of the eggcrate grilles > 90% of the nominal area providing maximum airflow & very low noise levels
- Please refer to the table “Comparing noise Criteria” on page no. 297 when evaluating “Sound Level db(A)”.



These graphs are for selection only and should not be used for commissioning.

Eggcrate Grilles: EG/LCEG/RCEG/HERAG

Nominal Neck (mm)		Equivalent Sizes	Core Area	Face Velocity (m/s)	1.5	2	2.5	3	3.5	4	5	6
Width	Height	(mm)	(m2)	Static Pressure (Pa)	2	4	6	9	12	15	24	35
150	150	225x100	0.020	Flow Rate (L/s)	30	41	51	61	71	81	101	122
				Sound Level dB(A)	<20	<20	24	28	31	34	39	43
200	150	"250x125 300x100 "	0.027	Flow Rate (L/s)	41	54	68	81	95	108	135	162
				Sound Level dB(A)	<20	20	25	29	33	35	40	44
250	150	"300x125 400x100 "	0.034	Flow Rate (L/s)	51	68	84	101	118	135	169	203
				Sound Level dB(A)	<20	21	26	30	33	36	41	45
200	200	350x125	0.036	Flow Rate (L/s)	54	72	90	108	126	144	180	216
				Sound Level dB(A)	<20	22	26	30	34	37	42	45
300	150	450x100	0.041	Flow Rate (L/s)	61	81	101	122	142	162	203	243
				Sound Level dB(A)	<20	22	27	31	34	37	42	46
300	200	"400x150 600x100 "	0.054	Flow Rate (L/s)	81	108	135	162	189	216	270	324
				Sound Level dB(A)	<20	23	28	32	36	38	43	47
250	250	"350x175 650x100 "	0.056	Flow Rate (L/s)	84	113	141	169	197	225	281	338
				Sound Level dB(A)	<20	24	28	32	36	39	43	47
450	150	"350x200 750x100 700x100 "	0.061	Flow Rate (L/s)	91	122	152	182	213	243	304	365
				Sound Level dB(A)	<20	24	29	33	36	39	44	48
300	250	"400x200 500x200 600x125 "	0.068	Flow Rate (L/s)	101	135	169	203	236	270	338	405
				Sound Level dB(A)	<20	24	29	33	36	39	44	48
300	300	"350x250 600x150 450x200 950x100 "	0.081	Flow Rate (L/s)	122	162	203	243	284	324	405	486
				Sound Level dB(A)	<20	25	30	34	37	40	45	49
350	350	"400x300 600x200 500x250 850x150 "	0.110	Flow Rate (L/s)	165	221	276	331	386	441	551	662
				Sound Level dB(A)	20	26	31	35	39	42	46	50
450	300	"400x350 700x200 550x250 950x150 "	0.122	Flow Rate (L/s)	182	243	304	365	425	486	608	729
				Sound Level dB(A)	21	27	32	36	39	42	47	51
600	250	"500x300 750x200 "	0.135	Flow Rate (L/s)	203	270	338	405	473	540	675	810
				Sound Level dB(A)	21	27	32	36	40	42	47	51
400	400	"400x350 750x200 550x300 "	0.144	Flow Rate (L/s)	216	288	360	432	504	576	720	864
				Sound Level dB(A)	21	28	32	36	40	43	48	51
600	300	"450x400 750x250 500x350 900x200 "	0.162	Flow Rate (L/s)	243	324	405	486	567	648	810	972
				Sound Level dB(A)	22	28	33	37	40	43	48	52
450	450	"500x400 700x300 600x350 800x250 "	0.182	Flow Rate (L/s)	273	365	456	547	638	729	911	1094
				Sound Level dB(A)	22	29	34	37	41	44	49	53
750	300	"500x450 650x350 550x400 900x250 "	0.203	Flow Rate (L/s)	304	405	506	608	709	810	1013	1215
				Sound Level dB(A)	23	29	34	38	41	44	49	53
500	500	"600x450 750x350 650x400 900x300 "	0.225	Flow Rate (L/s)	338	450	563	675	788	900	1125	1350
				Sound Level dB(A)	23	30	34	38	42	45	49	53
550	550	"600x500 750x400 650x450 900x350 "	0.272	Flow Rate (L/s)	408	545	681	817	953	1089	1361	1634
				Sound Level dB(A)	24	30	35	39	43	45	50	54
750	450	"600x550 1000x350 850x400 "	0.304	Flow Rate (L/s)	456	608	759	911	1063	1215	1519	1823
				Sound Level dB(A)	25	31	36	40	43	46	51	55
600	600	"650x550 800x450 700x500 900x400 "	0.324	Flow Rate (L/s)	486	648	810	972	1134	1296	1620	1944
				Sound Level dB(A)	25	31	36	40	43	46	51	55
900	450	"800x500 1150x350 1000x400 "	0.365	Flow Rate (L/s)	547	729	911	1094	1276	1458	1823	2187
				Sound Level dB(A)	25	32	37	40	44	47	52	56
650	650	"700x600 1200x350 "	0.380	Flow Rate (L/s)	570	761	951	1141	1331	1521	1901	2282
				Sound Level dB(A)	26	32	37	41	44	47	52	56
750	600	"700x650 900x500 800x550 1000x450 "	0.405	Flow Rate (L/s)	608	810	1013	1215	1418	1620	2025	2430
				Sound Level dB(A)	26	32	37	41	44	47	52	56
700	700	"750x650 1000x500 850x550 "	0.441	Flow Rate (L/s)	662	882	1103	1323	1544	1764	2205	2646
				Sound Level dB(A)	26	32	37	41	45	48	52	56
900	600	"750x700 1100x500 1000x550 "	0.486	Flow Rate (L/s)	729	972	1215	1458	1701	1944	2430	2916
				Sound Level dB(A)	27	33	38	42	45	48	53	57
750	750	"850x650 1200x500 950x600 "	0.506	Flow Rate (L/s)	759	1013	1266	1519	1772	2025	2531	3038
				Sound Level dB(A)	27	33	38	42	45	48	53	57
800	800	"900x700 1200x600 1000x650 "	0.576	Flow Rate (L/s)	864	1152	1440	1728	2016	2304	2880	3456
				Sound Level dB(A)	27	34	39	42	46	49	54	58
900	900	"950x850 1200x650 1000x750 "	0.729	Flow Rate (L/s)	1094	1458	1823	2187	2552	2916	3645	4374
				Sound Level dB(A)	28	35	40	43	47	50	55	59