

EGQ Egg crate grilles



Description

Aluminium exhaust grilles with frame and egg crate grille 13x13 mm pitch.

Characteristics

Material: aluminium.

Finish: natural anodised.

Installation: fastening to wall with clips (holes for screws for ceiling installation on request).

Use

For air exhaust, especially on ceiling. Its nice design and large effective cross-section make it ideal for civil installations.

Models

- EGQ Egg crate grilles.
- EGQ-E false ceiling version 595x595 mm (external frame) painted white RAL 9016.

Accessories

- EPZ - Galvanised Plenum Box;
- EPI - Insulated Plenum Box;
- SC - Galvanised steel regulation damper with blades with opposing movement;
- CT - Galvanised steel counter-frame to set into wall.

Special versions

Egg crate grille 13x13 mm with a 45° inclination (EGQ-I)

Dimensions

Technical Drawing			
Front View		EGQ	Screw Fixing HolesScrew Fixing Holes
EGQ	EGQ-I		

Effective Cross-Section

H	L							
	200	300	400	500	600	800	1000	1200
	Effective Cross-Section (m2)							
100	0,014	0,020	0,026	0,035	0,044	0,058	0,070	0,084
150	0,022	0,032	0,045	0,058	0,070	0,096	0,120	0,144
200	0,030	0,046	0,058	0,076	0,092	0,130	0,170	0,204
300	0,046	0,070	0,092	0,126	0,156	0,206	0,258	0,554
400	0,058	0,092	0,130	0,170	0,210	0,288	0,356	0,427
500	0,076	0,126	0,170	0,205	0,258	0,364	0,450	0,540
600	0,092	0,156	0,210	0,258	0,328	0,440	0,550	0,660
800	0,130	0,206	0,288	0,364	0,440	0,580	0,720	0,864
1000	0,170	0,258	0,356	0,450	0,550	0,720	0,890	1,068

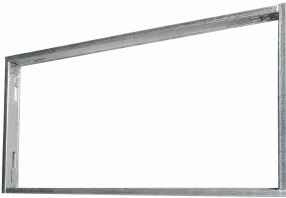
Operating Data

- V_k: effective speed (m/s).
- m³/h: flow rate.
- Pa: pressure drops in Pascal.
- dB(A): noise level.
- L: base. H: height.

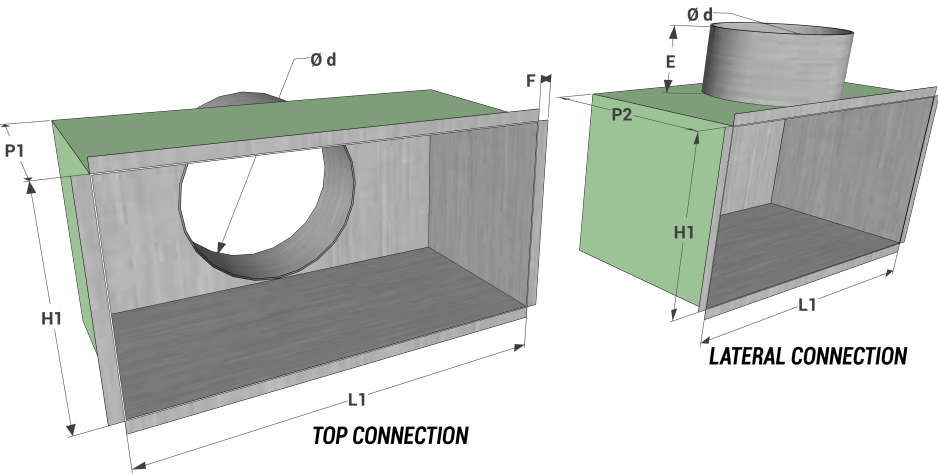
All dimensions are expressed in mm.

H	V _k m/s	L								Pa	dB(A)
		200	300	400	500	600	800	1000	1200		
		Flow Rate (m ³ /h)									
100	1	50	72	94	126	158	208	252	302	5	<20
	3	150	216	280	378	475	626	756	907	12	28/32
	5	250	360	282	630	790	1040	1260	1512	20	35/40
150	1	80	115	162	209	252	345	432	518	5	<20
	3	240	345	486	627	756	1035	1296	1555	12	28/32
	5	400	575	810	1045	1260	1725	2160	2592	20	35/40
200	1	108	166	209	274	330	468	612	735	5	<20
	3	234	498	627	822	990	1404	1836	2205	12	24/26
	5	540	830	1045	1370	1650	2340	3060	3672	20	35/40
300	1	166	252	330	454	560	742	930	1995	5	<20
	3	498	756	990	1362	1680	2226	2790	5985	12	24/26
	5	830	1260	1650	2270	2800	3710	4650	9972	20	35/40
400	1	209	330	468	612	756	1037	1282	1537	5	<20
	3	627	990	1404	1836	2268	3111	3840	4612	12	24/26
	5	1045	1650	2340	3060	3780	5185	6410	7686	20	35/40
500	1	274	454	612	742	930	1310	1620	1945	5	<20
	3	822	1362	1836	2226	2790	3930	4860	5832	12	24/26
	5	1370	2270	3060	3710	4650	6550	8100	9720	20	35/40
600	1	330	560	756	930	1180	1584	1980	2376	5	<20
	3	990	1680	2268	2790	3540	4752	5940	7128	12	24/26
	5	1650	2800	3780	4650	5900	7920	9900	11880	20	35/40
800	1	468	742	1037	1310	1584	2088	2592	3110	5	<20
	3	1404	2226	3111	3930	4752	6264	7776	3992	12	24/26
	5	2340	3710	5185	6550	7920	10440	12960	15552	20	35/40
1000	1	612	930	1282	1620	1980	2592	3204	3845	5	<20
	3	1836	2790	3846	4860	5940	7776	9612	11535	12	24/26
	5	3060	4650	6410	8100	9900	12960	16020	19224	20	35/40

Accessories

SC - Volume Damper	CT - Mounting-frame
This accessory allows the airflow supplied through the diffuser to be reduced, ensuring accurate airflow balancing. The damper is attached to the diffuser using the clips supplied with the diffuser. Opposed-blade balancing damper manufactured from galvanized steel. Maximum one-piece construction dimensions (L × H): 1000 × 600 mm.	Galvanised steel counter-frames for air jets and grilles. The counter-frames are equipped with special brackets that are bent during installation to anchor them to the walls.
	

Plenum Box



Models L1 x H1	Top Connection			Lateral Connection			E	F	Models L1 x H1	Top Connection			Lateral Connection			E	F
	P1	Nr. Connections	Ø d	P2	Nr. Connections	Ø d				P1	Nr. Connections	Ø d	P2	Nr. Connections	Ø d		
200x100	200	1	98	200	1	98	80	12	400x200	200	1	198	300	1	198	80	12
300x100	200	1	98	200	1	98	80	12	500x200	200	1	198	300	1	198	80	12
400x100	200	2	98	200	2	98	80	12	600x200	200	2	198	300	2	198	80	12
500x100	200	2	98	200	2	98	80	12	800x200	200	2	198	300	2	198	80	12
600x100	200	2	98	200	2	98	80	12	1000x200	200	2	198	300	2	198	80	12
800x100	200	2	98	200	2	98	80	12	300x300	200	1	248	350	1	248	80	12
1000x100	200	3	98	200	3	98	80	12	400x300	200	1	248	350	1	248	80	12
200x150	200	1	148	200	1	148	80	12	500x300	200	1	248	350	1	248	80	12
300x150	200	1	148	250	1	148	80	12	600x300	200	2	198	350	2	248	80	12
400x150	200	1	148	250	1	148	80	12	800x300	200	2	248	350	2	248	80	12
500x150	200	2	148	250	2	148	80	12	1000x300	200	2	248	350	2	248	80	12
600x150	200	2	148	250	2	148	80	12	400x400	200	1	298	350	1	298	80	12
800x150	200	2	148	250	2	148	80	12	500x400	200	1	298	350	1	298	80	12
1000x150	200	3	148	250	3	148	80	12	600x400	200	2	198	350	2	248	80	12
200x200	200	1	198	300	1	198	80	12	800x400	200	2	298	350	2	298	80	12
300x200	200	1	198	300	1	198	80	12	1000x400	200	2	298	400	2	298	80	12

Price List

Notes:

- painted white RAL 9016 + 20%;
- EGQ-I prices on request.

EGQ								
H	L							
	200	300	400	500	600	800	1000	1200
	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur
100	17,70	20,34	22,99	29,16	33,61	41,54	53,05	62,77
150	21,21	25,64	30,94	37,11	43,34	53,05	69,83	83,98
200	24,74	31,81	39,78	46,84	53,05	65,42	85,77	104,33
300	31,81	42,43	53,05	60,12	73,37	95,48	121,11	139,68
400	39,78	53,05	66,30	78,68	92,83	121,11	151,17	176,79
500	46,84	60,12	78,68	95,48	115,81	151,17	178,57	208,60
600	53,05	73,37	92,83	115,81	132,60	174,15	211,26	243,97
800	65,42	95,48	121,11	151,17	174,15	222,78	275,83	325,32
1000	85,77	121,11	151,17	178,57	211,26	275,83	344,75	406,64

Models	Eur
EGQ-E 595x595 - RAL 9016	100,86
EGQ-E 595x595	81,34

Accessories Price List

SC - Volume Damper								
H	L							
	200	300	400	500	600	800	1000	1200
	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur
100	14,15	15,41	18,44	22,01	25,18	31,65	38,83	50,35
150	15,61	18,06	21,28	24,64	28,08	35,96	43,34	56,15
200	17,10	23,98	26,32	30,92	35,62	43,65	48,71	71,24
300	23,98	29,76	36,84	40,56	44,34	53,79	64,85	88,67
400	26,32	36,84	42,19	50,96	54,78	67,03	79,54	109,56
500	30,92	40,56	50,96	65,57	68,36	81,30	102,61	136,73
600	35,62	44,34	54,78	68,36	81,41	98,17	122,80	162,82
800	43,65	53,79	67,03	81,30	98,17	134,05	159,08	196,33
1000	48,71	64,85	79,54	102,61	122,80	159,08	205,43	245,61

CT - Mounting-frame								
H	L							
	200	300	400	500	600	800	1000	1200
	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur
100	15,12	15,12	16,79	18,47	20,19	24,19	27,59	36,97
150	15,12	16,79	18,47	22,16	24,19	27,59	31,31	a.r.
200	16,79	18,47	21,35	24,19	25,91	31,31	34,92	40,33
300	18,47	22,16	25,91	29,57	31,31	36,97	42,05	45,71
400	21,35	25,91	29,57	32,97	36,97	42,05	47,69	51,05
500	24,19	29,57	32,97	36,97	40,33	46,09	51,48	56,86
600	25,91	31,31	36,97	40,33	44,03	49,40	57,13	62,21
800	31,31	36,97	42,05	46,09	49,40	57,13	64,21	71,22
1000	34,92	42,05	47,69	51,48	57,13	64,21	80,29	a.r.

Dimensions	Top Connection		Lateral Connection		Dimensions	Top Connection		Lateral Connection	
	EPZ - Plenum Box	EPI - Insulated Plenum Box	EPZ - Plenum Box	EPI - Insulated Plenum Box		EPZ - Plenum Box	EPI - Insulated Plenum Box	EPZ - Plenum Box	EPI - Insulated Plenum Box
L1xH1	Eur	Eur	Eur	Eur	L1xH1	Eur	Eur	Eur	Eur
200x100	31,29	43,48	31,29	43,48	400x200	41,72	57,15	47,32	64,67
300x100	33,85	46,96	33,85	46,96	500x200	44,76	61,27	51,31	69,98
400x100	44,84	59,19	44,84	59,19	600x200	62,39	81,21	74,86	95,68
500x100	47,43	62,67	47,43	62,67	800x200	73,54	93,88	82,80	106,39
600x100	50,03	66,14	50,03	66,14	1000x200	79,65	102,12	79,65	117,02
800x100	55,23	73,13	55,23	73,13	300x300	42,85	58,39	51,24	69,74
1000x100	52,00	71,34	69,06	94,64	400x300	57,55	74,78	67,34	87,92
200x150	33,42	46,20	33,42	46,20	500x300	61,07	79,49	72,22	94,52
300x150	35,77	49,96	38,37	52,83	600x300	72,30	92,24	80,69	103,51
400x150	39,08	53,83	41,64	57,27	800x300	88,37	116,90	103,71	137,48
500x150	41,92	66,30	53,35	70,38	1000x300	95,40	126,33	113,51	150,59
600x150	53,11	70,06	56,63	74,78	400x400	62,15	80,81	77,05	100,84
800x150	69,98	89,28	74,38	95,24	500x400	66,14	86,09	82,89	108,63
1000x150	84,01	105,63	89,37	112,75	600x400	85,60	113,34	94,88	125,85
200x200	35,61	48,96	39,36	54,00	800x400	103,23	134,13	119,93	156,51
300x200	38,65	53,03	43,37	59,35	1000x400	122,38	159,31	148,36	194,16