

## Performance Data

Eggcrate Grille : Model : ECG

Listed Duct Size ( mm )	Alternative Size ( mm )	Core area ( m <sup>2</sup> )	Core Velocity (m/s)	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
			Pressure Drop ( Pa )	5	8	12	17	23	30	38	46	66
150 X 150	200 X 100	0.20	Airflow rate ( l/s )	28	38	47	57	66	76	85	94	113
	250 X 100		NC level	-	-	-	13	18	22	27	30	36
200 X 150	250 X 125	0.27	Airflow rate ( l/s )	38	51	64	76	89	102	115	127	153
	300 X 100		NC level	-	-	-	14	19	24	28	31	37
250 X 150	300 X 125	0.35	Airflow rate ( l/s )	50	66	83	99	116	132	149	185	198
	400 X 100		NC level	-	-	-	15	21	25	29	32	38
200 X 200	350 X 125	0.38	Airflow rate ( l/s )	54	72	90	108	126	143	161	179	215
			NC level	-	-	-	16	22	25	30	33	39
300 X 150	450 X 100	0.42	Airflow rate ( l/s )	59	79	89	119	139	159	178	198	238
			NC level	-	-	10	16	22	26	30	33	39
300 X 200	400 X 150	0.58	Airflow rate ( l/s )	82	109	137	164	192	219	246	274	328
	600 X 100		NC level	-	-	11	18	24	27	31	34	40
250 X 250	350 X 175	0.61	Airflow rate ( l/s )	86	115	144	173	202	230	259	288	345
	650 X 100		NC level	-	-	12	18	24	27	32	35	41
450 X 150	350 X 200 750 X 100	0.65	Airflow rate ( l/s )	92	123	153	184	215	245	276	307	368
	700 X 100		NC level	-	-	12	18	24	28	32	35	41
300 X 250	400 X 200 500 X 200	0.74	Airflow rate ( l/s )	105	140	175	210	244	279	314	349	419
	600 X 125		NC level	-	-	13	19	25	28	32	36	42
300 X 300	350 X 250 600 X 150	0.90	Airflow rate ( l/s )	127	170	212	255	297	340	382	425	510
	450 X 200 950 X 100		NC level	-	-	14	20	25	29	33	37	43
350 X 350	400 X 300 600 X 200	1.24	Airflow rate ( l/s )	176	234	293	351	410	468	527	585	702
	500 X 250 850 X 150		NC level	-	-	15	21	26	30	34	38	44
450 X 300	400 X 350 700 X 200	1.37	Airflow rate ( l/s )	194	259	323	388	453	517	582	647	776
	550 X 250 950 X 150		NC level	-	-	16	21	27	31	35	39	45
600 X 250	500 X 300	1.52	Airflow rate ( l/s )	215	287	359	430	502	574	646	717	861
	750 X 200		NC level	-	-	16	22	27	31	35	39	45
400 X 400	450 X 350 750 X 200	1.64	Airflow rate ( l/s )	232	310	387	464	542	619	697	774	929
	550 X 300		NC level	-	-	16	22	27	31	35	39	45
600 X 300	450 X 400 750 X 250	1.85	Airflow rate ( l/s )	262	349	437	524	611	698	786	873	1048
	500 X 350 900 X 200		NC level	-	-	16	22	27	31	35	39	45
450 X 450	500 X 400 700 X 300	2.10	Airflow rate ( l/s )	297	396	495	595	694	793	892	991	1189
	600 X 350 800 X 250		NC level	-	-	16	22	27	32	35	39	45
750 X 300	500 X 450 650 X 350	2.32	Airflow rate ( l/s )	328	438	547	657	766	876	985	1095	1314
	550 X 400 900 X 250		NC level	-	-	16	23	27	33	36	40	46
500 X 500	600 X 450 750 X 350	2.61	Airflow rate ( l/s )	369	493	616	739	862	985	1108	1232	1478
	650 X 400 900 X 250		NC level	-	-	17	23	27	33	36	40	46
550 X 550	600 X 500 750 X 400	3.17	Airflow rate ( l/s )	449	598	748	898	1047	1197	1346	1496	1795
	650 X 450 900 X 350		NC level	-	-	17	24	28	33	37	41	47
750 X 450	600 X 550 1000 X 350	3.54	Airflow rate ( l/s )	501	668	835	1002	1169	1336	1503	1671	2005
	850 X 400		NC level	-	-	18	24	29	33	37	41	47
600 X 600	650 X 550 800 X 450	3.79	Airflow rate ( l/s )	537	715	894	1073	1252	1431	1610	1789	2146
	700 X 500 900 X 400		NC level	-	11	18	25	30	34	38	42	48
900 X 450	800 X 500 1150 X 350	4.29	Airflow rate ( l/s )	607	810	1012	1215	1417	1620	1822	2024	2429
	850 X 400		NC level	-	11	18	25	30	34	38	42	48
650 X 650	700 X 600	4.47	Airflow rate ( l/s )	633	844	1055	1266	1477	1688	1898	2109	2531
	1200 X 350		NC level	-	12	19	26	31	35	39	43	49
750 X 600	700 X 650 900 X 500	4.77	Airflow rate ( l/s )	675	900	1125	1351	1576	1801	2206	2251	2701
	800 X 550 1000 X 450		NC level	-	12	20	26	31	35	39	43	49
700 X 700	750 X 650 1000 X 500	5.20	Airflow rate ( l/s )	736	982	1227	1472	1718	1963	2208	2454	2945
	650 X 550		NC level	-	13	20	26	31	36	39	43	49
900 X 600	750 X 700 1100 X 500	5.74	Airflow rate ( l/s )	813	1083	1354	1625	1896	2167	2438	2709	3250
	1000 X 550		NC level	-	13	21	27	32	36	40	43	50
750 X 750	850 X 650 1200 X 500	5.99	Airflow rate ( l/s )	848	1131	1413	1696	1979	2261	2544	2827	3392
	950 X 600		NC level	-	14	21	27	32	36	40	44	50

### Performance Note :

Grille tested without damper. Apply the following corrections for addition of opposed blade damper to grille:

Pressure Drop: Listed value X 1.25

NC : Add +6 to listed value