

## Hinged Half Chevron Grille



**Description** The LinkedAir Hinged Half Chevron Grilles are designed to use in return air or exhaust applications in wall, duct or ceiling which also provide accessibility to the rear for maintenance. It incorporates 45° fixed blade which can cover up the duct and damper at the rear. Filter is equipped as a standard feature.

The Hinged Half Chevron Grilles can be manufactured up to 3 meters in length by 3 meters in height as a single piece, multiple modules can be produced with lengths in excess of 3 meters.

**Construction** Extruded Aluminium and Mechanical Held

**Application** Return Air / Exhaust Air

**Size** Flange Size: 30mm

**Finish** White (Powdercoated)

**Options**

Design	Flange Size	Colour
Fixed Core Type	25mm	Natural Anodised
Reverse Angle Type		Dulux Range

**Accessories** Opposite Blade Damper  
Plenum with Side or Top Entry  
Blanking Plate

# Hinged Half Chevron Grille

Area (m <sup>2</sup> )	Neck Size (mm)	NECK AIR VELOCITY (m/s)	2	2.5	3	3.5	4	5	6
		Total Pressure (Pa)	20.5	34	49.5	69.5	92	145.5	115
		Static Pressure (Pa)	9	15	22	31	41	65	93
0.025	250*100 200*125	Air Flow Rate (l/s)	50	63	75	88	100	125	150
		NC	—	11	17	23	30	37	42
0.03	300*100 200*125	Air Flow Rate (l/s)	60	75	90	105	120	150	180
		NC	—	12	18	25	32	39	44
0.04	400*100 250*150	Air Flow Rate (l/s)	80	100	120	140	160	200	240
		NC	—	15	23	29	34	42	46
0.045	350*125 300*150	Air Flow Rate (l/s)	90	113	135	158	180	225	270
		NC	—	15	23	29	34	42	46
0.05	350*150 250*200	Air Flow Rate (l/s)	100	125	150	175	200	250	300
		NC	—	15	23	29	34	42	46
0.06	600*100 400*150	Air Flow Rate (l/s)	120	150	180	210	240	300	360
		NC	—	17	24	31	36	44	48
0.075	600*125 350*200	Air Flow Rate (l/s)	150	188	225	263	300	375	450
		NC	—	18	25	31	36	44	50
0.09	700*125 400*200	Air Flow Rate (l/s)	180	225	270	315	360	450	540
		NC	—	19	27	34	38	45	51
0.1	750*125 450*200	Air Flow Rate (l/s)	200	250	300	350	400	500	600
		NC	11	20	27	34	39	46	52
0.12	900*125 450*250	Air Flow Rate (l/s)	240	300	360	420	480	600	720
		NC	12	22	29	35	41	48	54
0.128	600*200 400*300	Air Flow Rate (l/s)	256	320	384	448	512	640	768.056
		NC	13	23	29	35	42	48	55
0.135	1200*125 450*300	Air Flow Rate (l/s)	270	338	405	472	540	675	810
		NC	13	23	29	35	42	48	55
0.18	900*200 600*300	Air Flow Rate (l/s)	360	450	540	630	720	900	1080
		NC	14	23	30	36	42	49	56
0.27	750*350 600*450	Air Flow Rate (l/s)	540	675	810	945	1080	1350	1620
		NC	14	23	30	36	42	50	57
0.36	1200*300 750*450	Air Flow Rate (l/s)	720	900	1080	1260	1440	1800	2160
		NC	15	25	31	38	44	51	59

**Notes:**

- All performance data below is based on isothermal conditions
- **NOISE LEVEL** Noise data is based on a room absorption of 8db