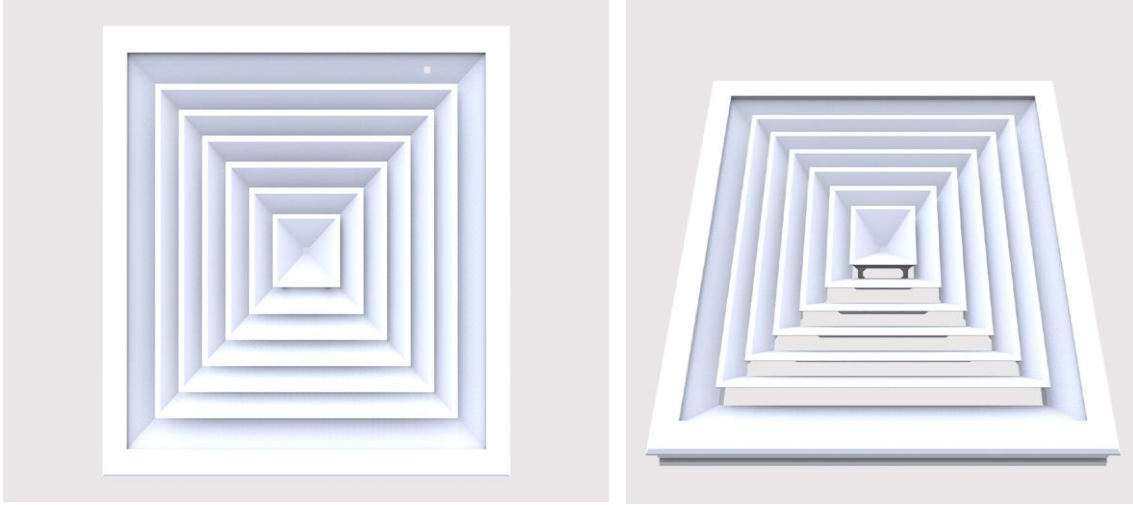


SUPPLY AIR DIFFUSERS - CEILING DIFFUSER -CKD-01



AREA OF USAGE AND FEATURES: It is used as suction and blowing diffusers in Hvac systems. It is used in canal and ceiling applications. Standard production is screwless in square ceilings. Other sizes are standard manufacturing screw. The way of mounting can be changed optionally.

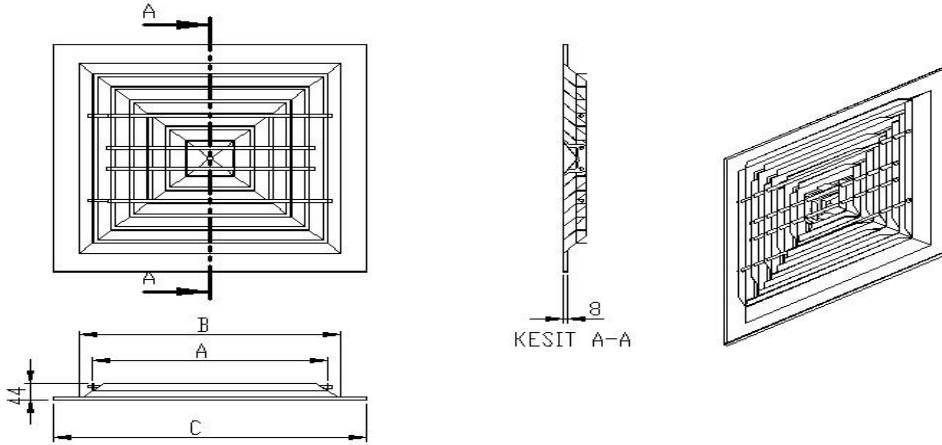
MATERIAL: Frame aluminum profile core galvanized plate or lower plate is manufactured by case extrusion method

SURFACE COATING: The product can be manufactured in any color with electrostatic powder paint.

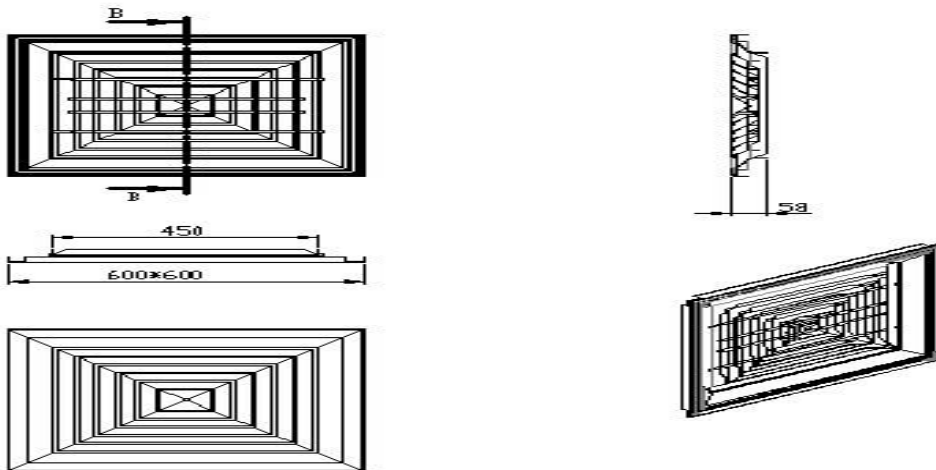
ACCESSORIES: Air vent damper, Plenum box

TECNICAL MEASUREMENT

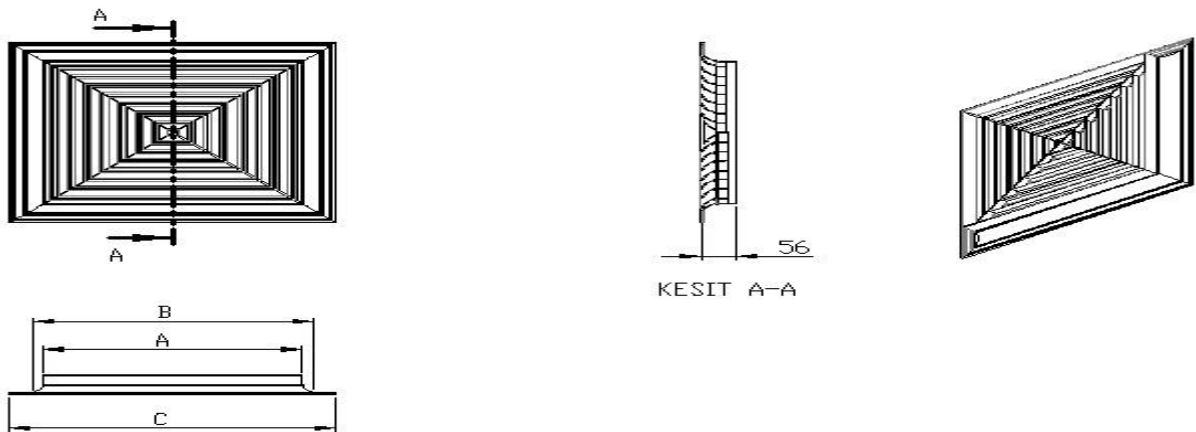
SUPPLY AIR DIFFUSERS - CEILING DIFFUSER –CKD-01-A STANDARD MODEL



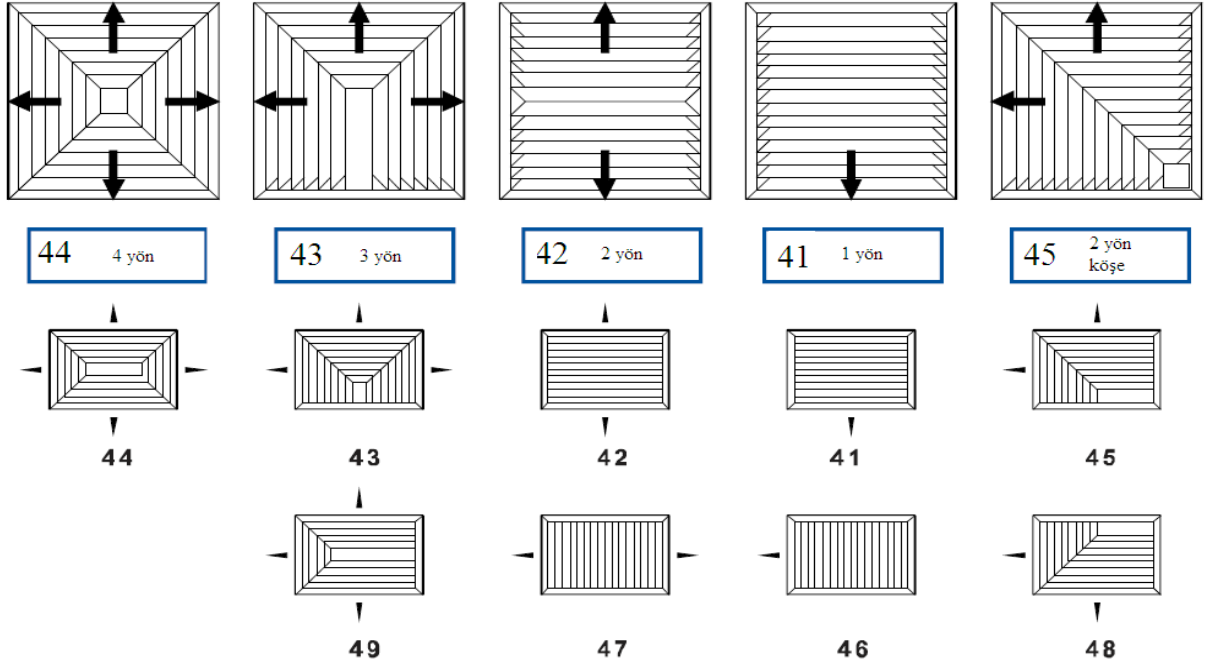
SUPPLY AIR DIFFUSERS - CEILING DIFFUSER –CKD-01-B CLIP-IN MODEL



SUPPLY AIR DIFFUSERS - CEILING DIFFUSER –CKD-01-C CURVY MODEL



AIR DIRECTION :



STANDARD MEASUREMENT :

SUPPLY AIR DIFFUSERS - CEILING DIFFUSER –CKD-01-A STANDARD MODEL

A (mm)		B (mm)	C (mm)
150*150		250*250	310*310
225*225		325*325	385*385
300*300		400*400	460*460
375*375		475*475	535*535
400*400	*	500*500	560*560
450*450		540*540	595*595
525*525	*	625*625	685*685
600*600	*	700*700	760*760

SUPPLY AIR DIFFUSERS - CEILING DIFFUSER – CKD-01-C CURVY MODEL

A (mm)		B (mm)	C (mm)
150*150		210*210	265*265
225*225		285*285	340*340
300*300		360*360	415*415
375*375		435*435	490*490
400*400		460*460	515*515
450*450		540*540	595*595
525*525		585*585	640*640
600*600		660*660	715*715

*** SIGNED SIZES ARE NOT STANDARD**

SUPPLY AIR DIFFUSERS - CEILING DIFFUSER – CKD-01-B CLIP-IN MODEL

A (mm)		B (mm)	C (mm)
450*450		540*540	600*600

SELECTION TABLE :

Air flow (m3/h)	AxB (mm)	speed Vn (m/s)	Pressure loss Ps (Pa)	Noise level NC (dB)	44	43	42	41
					Shooting Range (m)			
					(4.way)	(3-way)	(2. way)	(1-way)
144	150x150	1,8	7	-	0.9-1.8	1.0-2.0	1.2-2.2	1.4-2.4
	200 x 200	1	4	-	0.6-1.2	0.7-1.5	0.9-2.0	1.2 - 2.6
216	150x 150	2,7	16	-	1.5-2.4	1.6-2.6	1.8-3.0	2.2 - 3.5
	200 x 200	1,5	7	-	1.0-1.7	1.0-2.0	1.3-2.5	1.6-3.0
288	150x 150	3,6	30	23	1.8 - 3.6	2.1-4.0	2.4-4.4	3.0 - 5.5
	200 x 200	2	14	20	1.5-2.3	1.7-2.8	2.0-3.2	2.6 - 3.8
	250 x 250	1,3	2	-	0.6-1.2	0.8-1.4	1.0-1.8	1.5-2.7
360	150x150	4,5	42	31	2.4-4.0	2.6 - 4.3	3.0-5.0	3.6 - 6.0
	200 x 200	2,5	21	25	2.0-2.8	2.2-3.3	2.6-4.0	3.2 - 4.6
	250 x 250	1,6	6	-	1.0-2.0	1.2-2.3	1.5-2.7	1.8-3.6
432	200 x 200	3	25	28	2.5 - 3.3	2.8 - 3.8	3.2-4.4	4.0 - 6.0
	250 x 250	1,9	9	-	1.2-2.4	1.5-2.7	2.0-3.5	2.5-4.3
	300 x 300	1,3	5	-	1.0-2.0	1.2-2.2	1.5-3.0	2.0 - 4.0
504	200 x 200	3,5	32	32	2.8 - 3.6	2.8 - 3.6	4.0-5.3	5.0 - 6.5
	250 x 250	2,3	13	22	1.5-3.0	1.5 - 3.5	2.5-4.2	3.0 - 5.0
	300 x 300	1,6	6	-	1.2-2.4	1.5-2.8	1.8-3.4	2.5 - 4.7
576	200 x 200	4	39	36	3.3-4.1	3.8 - 5.0	4.5-6.0	5.5 - 7.2
	250 x 250	2,6	19	25	1.9-3.5	2.3-4.0	2.8-4.8	3.3-5.6
	300 x 300	1,8	9	-	1.5-2.6	1.8-3.0	2.0-4.0	2.7 - 5.0
	350 x 350	1,3	4	-	1.2-2.2	1.5-2.5	1.8-3.0	2.0-4.0
648	200 x 200	4,5	46	40	3.6-4.7	4.3-5.6	5.2 - 7.0	6.2 - 8.0
	250 x 250	2,9	22	28	2.3-3.9	2.6-4.5	3.3-5.4	3.6-6.2
	300 x 300	2	11	18	1.7-2.9	2.1-3.2	2.3-4.3	3.0 - 5.5
	350 x 350	1,5	5	-	1.3-2.4	1.7-2.8	2.0-3.4	2.4-4.9
	400 x 400	1,1	3	-	1.0-2.2	1.4-2.3	1.7-3.0	2.2 - 4.4
720	250 x 250	3,2	26	31	2.6-4.5	3.0 - 5.0	3.6-6.0	4.0 - 6.8
	300 x 300	2,2	13	19	2.0-3.2	2.3-3.6	2.7-4.6	3.3 - 6.0
	350 x 350	1,6	7	-	1.6-2.8	2.0 - 3.2	2.3-4.0	2.8-5.5
	400x400	1,3	4	-	1.3-2.5	1.7-2.8	2.0-3.4	2.4-4.8
792	250 x 250	3,5	30	33	2.8-4.8	3.2-5.5	4.0-6.5	4.5-7.6
	300 x 300	2,5	16	21	2.2 - 3.6	2.6 - 4.0	3.0-4.9	3.8 - 6.6
	350 x 350	1,8	9	-	1.8 - 3.2	2.2 - 3.6	2.6-4.4	3.2 - 6.0
	400x400	1,4	5	-	1.4-2.7	1.8-3.1	2.3-3.9	2.9 - 5.4
864	250 x 250	3,8	37	36	3.2 - 5.6	3.6-6.2	4.3-7.0	5.0-8.4
	300 x 300	2,7	20	23	2.5-4.0	2.9 - 4.5	3.5-5.3	4.5 - 7.3
	350 x 350	2	11	19	2.1 - 3.6	2.4-4.0	3.0-4.8	3.6 - 6.5
	400 x 400	1,5	6	-	1.7-3.0	2.0-3.7	2.6-4.3	3.2 - 6.0
936	250 x 250	4,2	44	39	3.4-6.0	4.0-6.7	4.6 - 7.6	5.3 - 9.0
	300 x 300	2,9	23	25	2.7-4.3	3.2 - 5.0	3.7-6.0	4.7 - 8.0
	350 x 350	2,1	13	20	2.3-3.9	2.7 - 4.5	3.2-5.4	4.0 - 7.2
	400x400	1,6	7	-	2.0 - 3.2	2.3 - 4.0	2.8-4.6	3.5 - 6.6

Air flow (m ³ /h)	AxB (mm)	speed Vn (m/s)	Pressure loss Ps (Pa)	Noise level NC (dB)	44	43	42	41
					Shooting Range (m)			
					(4.way)	(3-way)	(2. way)	(1-way)
1008	250 x 250	4,5	52	42	3.7-6.5	4.3-7.6	5.0-8.3	5.7 - 9.8
	300 x 300	3,1	27	28	3.0-4.8	3.5 - 5.5	4.0 - 6.6	5.0 - 8.5
	350 x 350	2,3	16	22	2.6-4.3	3.0 - 5.0	3.5-6.0	4.5 - 7.7
	400x400	1,8	9	-	2.2-3.5	2.6-4.2	3.0-5.0	3.6 - 7.2
	450x450	1,4	6	-	1.8-3.2	2.2-3.7	2.6-4.2	3.2-6.5
1080	300 x 300	3,3	29	30	3.2 - 5.2	3.7 - 5.8	4.3-6.8	5.3 - 9.0
	350 x 350	2,5	18	23	2.8-4.6	3.3 - 5.2	3.7-6.3	4.8 - 8.2
	400 x 400	1,9	10	18	2.4-3.8	2.8 - 4.6	3.3 - 5.5	3.9 - 7.8
	450x450	1,5	7	-	1.9 - 3.2	2.4 - 4.0	2.8-4.4	3.3 - 6.8
	500 x 500	1,2	3	-	1.5-3.0	2.0-3.4	2.2 - 3.8	2.7 - 5.5
1152	300 x 300	3,6	32	32	3.5-5.6	4.0-6.0	4.6 - 7.2	5.7-9.5
	350 x 350	2,6	21	25	3.0-4.8	3.6 - 5.4	4.1-6.7	5.1-8.6
	400x400	2	11	19	2.6-4.0	3.3 - 5.0	3.6-6.0	4.3 - 8.0
	450 x 450	1,6	8	-	2.1-3.5	2.6 - 4.3	3.0-4.7	3.6 - 7.2
	500 x 500	1,3	4	-	1.7-3.2	2.2-3.7	2.5-4.2	3.0 - 6.2
1224	300 x 300	3,6	36	34	3.7-5.8	4.2-6.3	4.8-7.5	6.0-10.2
	350 x 350	2,8	24	27	3.2-5.1	3.8-5.8	4.3-7.1	5.3-8.8
	400x400	2,1	13	21	2.8-4.2	3.5 - 5.3	3.8-6.3	4.5-8.3
	450x450	1,7	10	-	2.2 - 3.7	2.8-4.6	3.2-5.1	4.0 - 7.7
	500 x 500	1,4	5	-	1.8-3.4	2.3-3.9	2.7-4.5	3.5-7.0
1296	300x300	4	42	36	3.9-6.0	4.5-6.8	5.1 - 7.7	6.2-10.8
	350 x 350	3	27	31	3.4 - 5.4	4.0-6.2	4.6-7.4	5.5 - 9.0
	400 x 400	2,3	16	23	3.0-4.5	3.7-5.6	4.1-6.6	4.7-8.6
	450 x 450	1,8	12	18	2.5-4.0	3.0-4.8	3.5-5.5	4.3-8.0
	500x500	1,5	7	-	2.0 - 3.7	2.5-4.2	3.0-5.0	4.0-7.6
	600 x 600	1	4	-	1.4-2.6	-	-	-
1368	300x300	4,2	47	39	4.2-6.5	5.2-7.5	5.7-B.5	-
	350 x 350	3,1	30	32	3.7-5.7	4.2-6.6	4.9-7.6	5.8 - 9.3
	400 x 400	2,4	16	25	3.3-4.9	4.0-5.9	4.2 - 6.9	5.0-9.0
	450 x 450	1,9	14	20	2.7-4.2	3.2-5.1	3.7-5.8	4.7-8.5
	500x500	1,5	8	-	2.1 - 3.9	2.6-4.4	3.2-5.3	4.2-8.0
	600 x 600	1,1	4	-	1.6-3.0	-	-	-
1440	300x300	4,5	54	43	4.5-7.0	-	-	-
	350 x 350	3,3	33	34	4.0-6.0	4.4-7.0	5.2-7.9	6.2-10.5
	400 x 400	2,5	21	27	3.5 - 5.2	4.2-6.2	4.5-7.2	5.2-9.3
	450 x 450	2	16	22	2.9-4.3	3.4 - 3.5	3.9-6.1	5.0-9.0
	500x500	1,6	10	-	2.3-4.2	2.8-4.7	3.4-5.5	4.5-8.3
	600 x 600	1,1	4	-	1.8-3.6	-	-	-
1512	350 x 350	3,4	36	36	4.3-6.5	4.6-7.4	5.5-8.4	6.5-11.3
	400x400	2,6	23	29	3.7-5.5	4.4-6.7	4.7-7.6	5.5-10.0
	450 x 450	2,1	17	23	3.1 -4.6	3.6-5.7	4.1-6.5	5.3-9.5
	500 x 500	1,7	11	-	2.4-4.4	3.0-5.1	3.6-6.2	4.7-8.6
	600x600	1,2	5	-	2.0 - 3.8	-	-	-

Air flow (m ³ /h)	AxB (mm)	speed Vn (m/s)	Pressure loss Ps (Pa)	Noise level NC (dB)	44	43	42	41
					Shooting Range (m)			
					(4.way)	(3-way)	(2. way)	(1-way)
1620	350 x 350	3,7	40	38	4.6-7.0	4.9-7.7	5.6 - 8.7	7.0-12.0
	400 x 400	2,8	26	31	3.9-6.0	4.6 - 7.2	5.0-8.0	5.7-10.5
	450x450	2,2	19	25	3.3 - 5.0	3.8-6.0	4.3-7.0	5.6 - 9.8
	500 x 500	1,8	12	18	2.6-4.6	3.3-5.5	3.9-6.6	5.2-9.0
	600x600	1,3	5	-	2.2-4.0	-	-	-
1800	400x400	3,1	32	34	4.2-6.5	4.8-8.0	5.5-9.0	6.2-11.4
	450 x 450	2,5	23	28	3.5-5.5	4.2-6.6	4.7-7.5	6.1-10.7
	500 x 500	2	15	22	2.9-5.1	3.6 - 6.0	4.3-7.1	5.7-10.0
	600 x 600	1,4	7	18	2.5-4.4	-	-	-
1980	400 x 400	3,4	38	38	4.6 - 7.2	5.3-8.7	6.0-10.0	7.0-12.0
	450x450	2,7	29	32	3.8-6.0	4.6-7.0	5.1 - 8.2	6.6-11.3
	500x500	2,2	18	26	3.2 - 5.7	3.8-6.8	4.7-7.8	6.2-10.3
	600 x 600	1,5	10	20	2.8-5.0	-	-	-
2160	450 x 450	3	33	35	4.1-6.4	4.8 - 7.6	5.5-8.7	7.1-12.0
	500 x 500	2,4	21	28	3.5-6.2	4.1-7.1	5.0-8.2	6.5-11.0
	600 x 600	1,7	12	22	3.0-5.5	-	-	-
2340	450x450	3,2	38	38	4.3-7.1	5.2-8.4	5.7-9.5	7.5-12.8
	500x500	2,6	25	31	3.7-6.5	4.4-7.8	5.2-9.0	7.0-12.0
	600 x 600	1,8	14	24	3.3 - 6.2	-	-	-
2520	500 x 500	2,8	29	33	4.2-7.3	4.8 - 8.5	5.7-10.0	7.5-13.0
	600 x 600	2	17	26	3.5-6.5	-	-	-
2700	500 x 500	3	32	35	4.5-7.8	5.2-8.8	6.0-10.5	7.7-13.5
	600x600	2,1	19	28	3.6-6.9	-	-	-
2880	500x500	3,2	35	39	4.8 - 8.0	5.5-9.2	6.3-11.0	8.0-14.0
	600 x 600	2,2	22	30	3.8 - 7.2	-	-	-
3600	600 x 600	2,8	33	37	5.0-10.0	-	-	-

SOME APLLICATION AREAS	Speed of Blower (m/s)
Radio and film studios, Surgery rooms	1,5 – 2,5
Bedrooms, Hotel Rooms, Offices, Residances, Hospitals, Mosques, Churches etc.	2 – 4
Concert Halls, Dining Rooms, Classrooms, Banks, Libraries, Game Rooms, Confenece Halls	2,5 – 5
Restaurants, Cafeteries, Hotel Lobbies, Theaters, Cinemas, Shopping Malls, Ball Rooms	2,5 – 6
Supermakets, Factories, Gym, Industrial Kitchens/ Warehouses	5 – 10