idealair
group

Adjustable swirl diffuser

DVV
DVV250
DVV315
DVV400
DVV500
DVV630

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PRODUCT DATA SHEET

1 YR WARRANTY

ADJUSTABLE SWIRL DIFFUSER

Overview

The DVV adjustable swirl diffuser comprises of a series of steel blades framed within the circular diffuser face. These blades can be adjusted to a wide range of angles, making it ideal for high ceiling applications or where a high degree of heating is required.

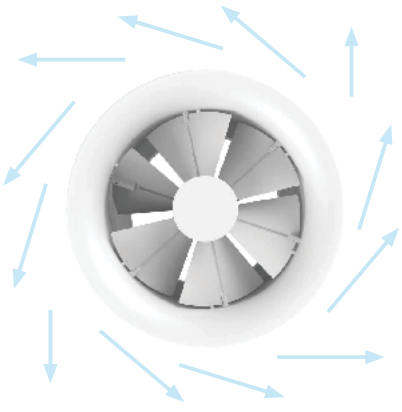
Quick Facts

- Suitable for room heights from 4m to 10m.
- Manufactured from steel sheet.
- Adjustable blade angle.
- Easy screw fix into plenum box.
- Available in 250, 315, 400, 500 & 630 sizes.
- Available in a range of RAL powder coated colour options. (standard 9010)
- Comes with manual drive or thermostatic drive.
- 24V model with continuous regulation also available.

DVV Adjustable Swirl Diffuser

Front

Angled



Air Distribution

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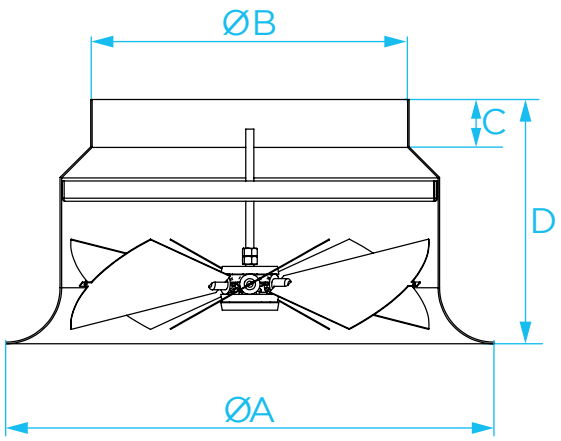
102023

Dimensional Data



	ØA	ØB	C	D
250	417	248	40	230
315	491	313	40	250
400	615	398	50	265
500	796	498	50	320
630	935	628	40	370

Dimensions in millimetres

Technical Data

		DVV250							
	l/s	150	160	170	180	190	200	210	220
	m³/h	540	576	612	648	684	720	756	792
Blade Angle	**20°**	**Pa**	30	34	39	44	49	54	59	65
		Lwa (dBA)	51	52	53	55	56	57	58	59
	50°	**Pa**	48	54	61	69	76	85	93	102
		Lwa (dBA)	41	42	44	45	46	47	48	49
	75°	**Pa**	72	82	92	104	116	128	144	154
		Lwa (dBA)	37	38	40	41	42	43	44	45

		DVV315							
	l/s	225	250	275	300	325	350	375	400
	m³/h	810	900	990	1080	1170	1260	1350	1440
Blade Angle	**20°**	**Pa**	23	28	34	40	47	55	63	71
		Lwa (dBA)	49	52	54	56	57	59	61	62
	50°	**Pa**	35	43	52	62	73	84	96	110
		Lwa (dBA)	40	42	44	46	48	49	51	52
	75°	**Pa**	43	53	64	77	90	104	120	136
		Lwa (dBA)	36	38	40	42	44	45	47	48

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		DVV400							
	l/s	350	400	450	500	550	600	650	700
	m³/h	1260	1440	1620	1800	1980	2160	2340	2520
Blade Angle	20°	Pa	23	28	34	40	47	55	63	71
		Lwa (dBA)	49	52	54	56	57	59	61	62
	50°	Pa	35	43	52	62	73	84	96	110
		Lwa (dBA)	40	42	44	46	48	49	51	52
	75°	Pa	43	53	64	77	90	104	120	136
		Lwa (dBA)	36	38	40	42	44	45	47	48

		DVV500													
	l/s	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200
	m³/h	1980	2160	2340	2520	2700	2880	3060	3240	3420	3600	3780	3960	4140	4320
Blade Angle	20°	Pa	16	19	23	26	30	34	39	46	48	53	59	64	71	77
		Lwa (dBA)	49	51	52	54	55	57	58	60	61	62	63	64	65	66
	50°	Pa	26	31	36	41	48	54	62	73	77	85	94	102	112	122
		Lwa (dBA)	39	41	43	44	46	47	49	51	51	52	53	54	55	56
	75°	Pa	31	37	43	50	57	65	74	88	92	102	113	123	135	147
		Lwa (dBA)	35	37	39	40	42	43	44	46	47	48	49	50	51	52

		DVV630																		
	l/s	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800
	m³/h	3240	3420	3600	3780	3960	4140	4320	4500	4680	4860	5040	5220	5400	5580	5760	5940	6120	6300	6480
Blade Angle	20°	Pa	18	20	22	24	26	29	31	34	37	40	43	46	49	52	56	59	63	67	71
		Lwa (dBA)	49	51	52	53	54	55	56	57	57	58	59	60	61	61	62	63	63	64	64
	50°	Pa	28	32	35	39	42	46	50	55	59	64	68	73	78	84	89	95	101	107	113
		Lwa (dBA)	40	41	42	43	44	45	46	47	48	49	49	50	51	52	52	53	54	54	55
	75°	Pa	38	42	47	52	57	62	67	73	79	85	91	98	105	112	119	127	135	143	151
		Lwa (dBA)	36	37	38	39	40	41	42	43	44	44	45	46	47	47	48	49	49	50	51

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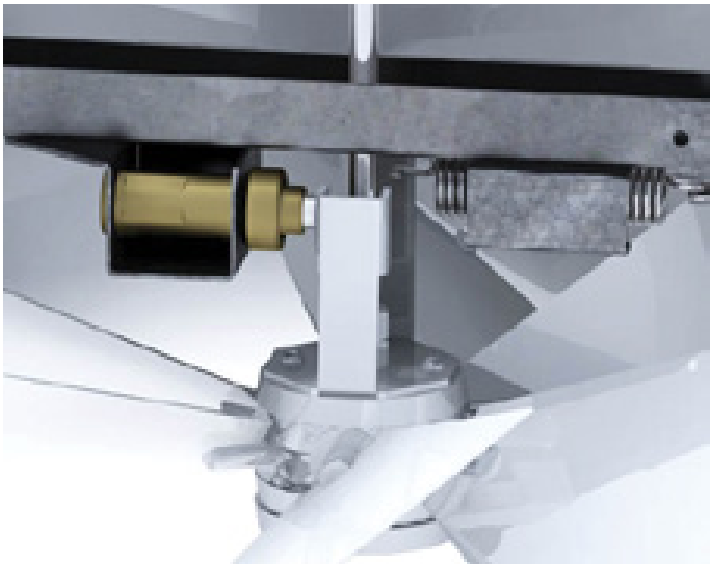
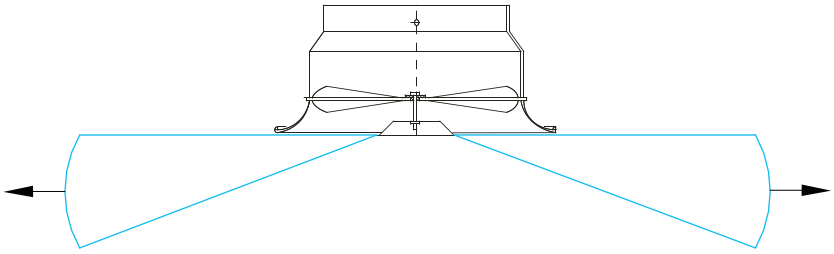
Thermostat Drive

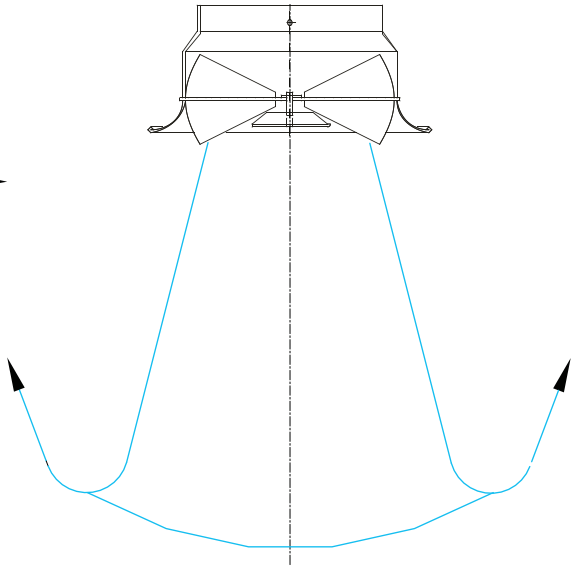


- Adjustable throw distance, according to temperature of supply air.
- No additional power supply needed.

Cooling Mode



Heating Mode



20°	Max Heating Mode - Air Discharged Vertically
50°	Intermediate Position
75°	Max Cooling Mode - Air Discharged Horizontally

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ADJUSTABLE SWIRL DIFFUSER

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Product Codes

Model	Description	Neck Size
DVV-R10	Adjustable Swirl Diffuser Manual	250mm
DVV-R12	Adjustable Swirl Diffuser Manual	315mm
DVV-R16	Adjustable Swirl Diffuser Manual	400mm
DVV-R20	Adjustable Swirl Diffuser Manual	500mm
DVV-R25	Adjustable Swirl Diffuser Manual	630mm
DVV-T10	Adjustable Swirl Diffuser Thermal	250mm
DVV-T12	Adjustable Swirl Diffuser Thermal	315mm
DVV-T16	Adjustable Swirl Diffuser Thermal	400mm
DVV-T20	Adjustable Swirl Diffuser Thermal	500mm
DVV-T25	Adjustable Swirl Diffuser Thermal	630mm
DVV-M24-K10	Adjustable Swirl Diffuser 24V Drive	250mm
DVV-M24-K12	Adjustable Swirl Diffuser 24V Drive	315mm
DVV-M24-K16	Adjustable Swirl Diffuser 24V Drive	400mm
DVV-M24-K20	Adjustable Swirl Diffuser 24V Drive	500mm
DVV-M24-K24	Adjustable Swirl Diffuser 24V Drive	630mm

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