VENTECH

HVAC PRODUCTS

- Air Diffusion
- Dampers
- Pre-insulated Duct Panel & Accessories
- Ducting
- Insulation
- Filter
- Ventilation Fan, Fresh Air Unit, AHU
- Full Intelligent Air Balance System
- Fire Control Fan

20+ years manufacturer

dix@chinaventech.com

Company profile

2006
Establish Ventech factory producing Air diffusion products.

2010
Start to produce Dampers.

2015
Enlarge Ventech factory space to 40,000 ㎡ .

2018
Start to produce AHUs.

2019
Start to produce 5 axles Duct panel cutting equipment.

2020
Start to produce Fresh air units and Vcare air system.

2022
Start to produce Ventilation fans.

2024
Start to produce Pre-insulated air duct panels.

2025
With 3 production bases, Ventech products sale to more than 120 countries.

dix@chinaventech.com

VENTECH

Air Diffusion

VENTECH

Wechat Whatsapp

Contact us to quote now!

YINGDE VENTECH AIR CONDITIONING CO., LTD.
FOSHAN SHUNDE VCARE IMPORT AND EXPORT CO., LTD.
Contact Person: Ms. Dix Chan
Mob/Whatsapp/WeChat: +86 18575888462
Email: dix@chinaventech.com
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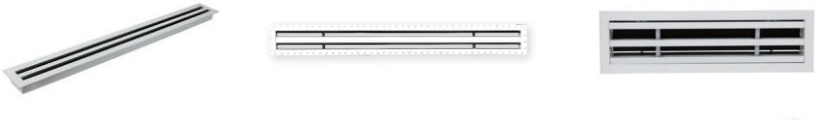
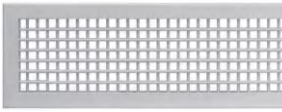
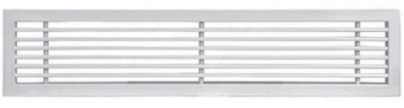
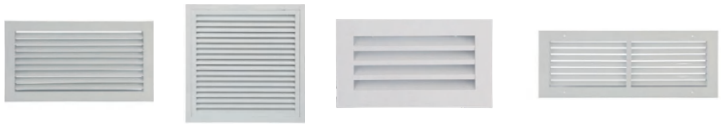
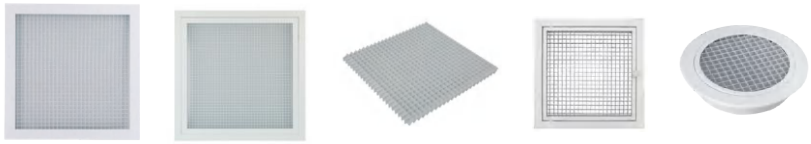


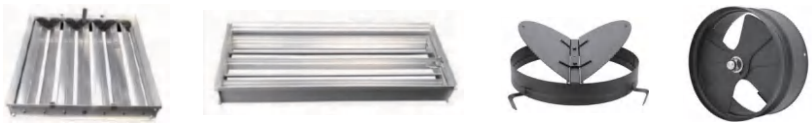








Dampers



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Pre-insulated Duct Panel & Accessories

Ducting

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Aluminum Tape
VAT P078


Duct connector, Duct Clamps
VDC P078



U channel
VUC P079

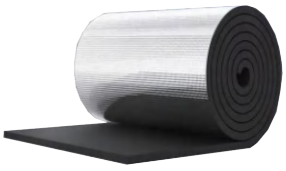
Thread Rod, Stud Anchor
VTS P079


Insulation

Fiber Glass Roll
VFG P080


Rubber Insulation Roll
VRI P081





Filter

Primary Filter Roll
VPFR P82

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VENTECH

Primary Filter
VPF P86

Medium Filter
VMF P89

HEPA Filter
VHEPA P90

Activated Carbon Filter
VAC P91

Ventilation Fan, Fresh Air Unit, AHU

Ceiling Mounted Ventilation Fan
VCMVF P92

Mixed Flow Inline Fan
VMFIF P93

Circular Inline Duct Fan
VCIDF P97

AC Cabinet、Duct Fan
VACC、VDF P102

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Fresh Air Unit
VFAC, VFAR P106

Air Handing Unit
VAHU P111

Vcare Full intelligent Air Balance System

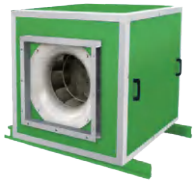
Full Intelligent Air Balance System
VH P120

Fire Smoke Fan

Centrifugal Fire Smoke Exhaust Fan
VHTFC-DT P126

Centrifugal Fire Smoke Exhaust Fan
VHTFB-DT P142

Cabinet type centrifugal fan
VDTJ-PF P166



Axial Flow Fire Smoke Exhaust Fan
VHTF P169

dix@chinaventech.com

VSCD
Square Ceiling Diffuser

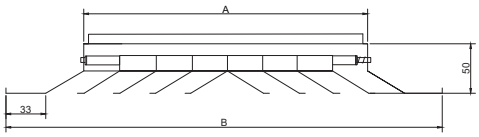
VSCD-A

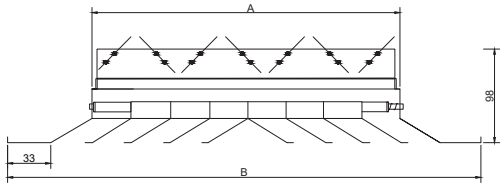
VSCD-B

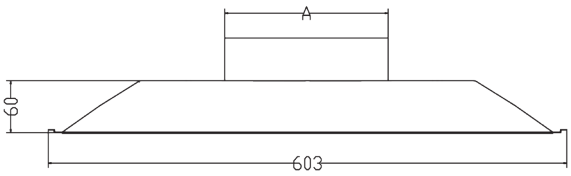
VSCD-C

VSCD-H

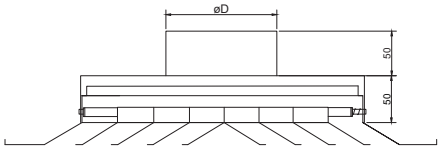
* The directions of discharge air can be selected to meet the requirements of room with 1 to 4 way.
* Supply air can be oriented to vertically by blades of 1,2,3,4 directions.
* They can be used both for supply and return applications.
* Depending an architectural demand the face can be square or rectangular.
* They are suitable for using in rooms with heights up to 4m.
* Material: They can be made of extruded aluminum profiles, or aluminum sheet.
* Accessories: Damper, Plenum box.
* Mount: by screws, by clips.
* Finishing: White powder coating Ral9016, Ral9010, or customized color. Anodized.





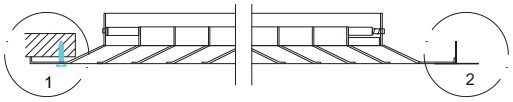


• Plenum box / Adaptor



• Mounting

1. Screw mounting
2. Lay-on mounting



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• Selection Tables

Standard sizes AxA(mm)	BxB(mm)	Effective area(m2)	Air volume(m3/h)	Throw Max. (m)
150x150	295x295	0.014	119	0.90
225x225	370x370	0.028	240	1.40
300x300	445x445	0.049	400	1.70
375x375	520x520	0.069	600	2.00
450x450	595x595	0.097	840	2.40
525x525	670x670	0.130	1120	2.55
600x600	745x745	0.169	1460	2.70

Data were chosen when the air velocity is 2.4m/s and the velocity at throw distance is 0.5m/s

• Data

VSCD-A / VSCD-B			AIR VOLUME(m3/h)												
Size (mm)	Effective Area(m2)		100	200	300	400	500	600	700	800	900	1000	2000	3000	4000
150x150	0.0138	Vk(m/s)	2	4	6.4	-	-	-	-	-	-	-	-	-	-
		Pt(pa)	3.4	9.6	24.7	-	-	-	-	-	-	-	-	-	-
		Lt(m)	-	1.6	2.4	-	-	-	-	-	-	-	-	-	-
		NR	-	23	33	-	-	-	-	-	-	-	-	-	-
225x225	0.0277	Vk(m/s)	-	2	2.9	4	4.8	-	-	-	-	-	-	-	-
		Pt(pa)	-	2.4	4.7	9.6	13.9	-	-	-	-	-	-	-	-
		Lt(m)	-	1.1	1.7	2.3	2.5	-	-	-	-	-	-	-	-
		NR	-	-	20	25	30	-	-	-	-	-	-	-	-
300x300	0.0486	Vk(m/s)	-	-	1.8	2.4	2.8	3.5	4	4.7	5.4	6	-	-	-
		Pt(pa)	-	-	2	3.5	4.7	7.5	9.6	13	17.6	21.7	-	-	-
		Lt(m)	-	-	1.3	1.7	2	2.45	2.5	3.1	3.4	4	-	-	-
		NR	-	-	-	16	21	25	28	31	34	36	-	-	-
375x375	0.0694	Vk(m/s)	-	-	-	1.6	2	2.4	2.7	3	3.4	4	-	-	-
		Pt(pa)	-	-	-	1.5	2.4	3.5	4.7	5.4	7	9.6	-	-	-
		Lt(m)	-	-	-	1.5	1.7	2.1	2.4	2.5	2.7	3.2	-	-	-
		NR	-	-	-	-	15	1.8	22	24	26	37	-	-	-
450x450	0.0972	Vk(m/s)	-	-	-	-	-	1.7	2	2.3	2.1	2.7	5.5	-	-
		Pt(pa)	-	-	-	-	-	1.5	2.4	3.2	3.5	4.7	19	-	-
		Lt(m)	-	-	-	-	-	1.7	2.3	2.3	2.5	2.6	5	-	-
		NR	-	-	-	-	-	-	16	18	21	24	37	-	-
525x525	0.1296	Vk(m/s)	-	-	-	-	-	-	-	1.8	2	2.2	4.2	6.4	-
		Pt(pa)	-	-	-	-	-	-	-	2	2.4	2.9	10.6	24.7	-
		Lt(m)	-	-	-	-	-	-	-	2	2.3	2.5	4.3	7	-
		NR	-	-	-	-	-	-	-	14	16	18	33	42	-
600x600	0.1692	Vk(m/s)	-	-	-	-	-	-	-	-	-	1.6	3	4.7	-
		Pt(pa)	-	-	-	-	-	-	-	-	-	1.5	5.4	13	-
		Lt(m)	-	-	-	-	-	-	-	-	-	2.3	4	6.5	-
		NR	-	-	-	-	-	-	-	-	-	15	28	36	-

VRCD
Round Diffuser






VRCD-A **VRCD-B** (Ceiling replacement type) **VRCD-C** (standard) **VRCD-D** (Medium ceiling) **VRCD-E** **VRCD-H** (High ceiling)

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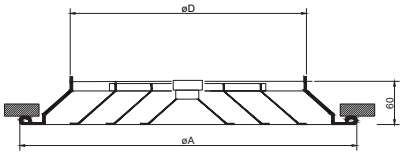
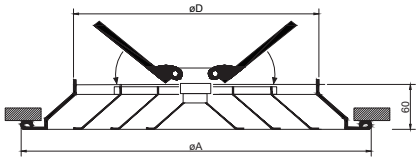
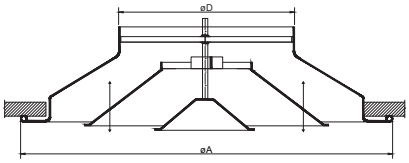
* The circular design guarantees an uniform radial discharge in supply air applications.
* They can be used both for supply and return applications.
* They are suitable for using in rooms with heights up to 4m(A,B,C designs), 6m(D design). 8M(H design)
* Material: They are made of aluminum sheet.
* Accessories: Damper (butterfly damper in plastic or steel manual control; radial–shape damper screw control.)
* Mounting: Screw type.
* Finishing: White powder coating Ral9016, Ral9010, or customized color. Anodized.







• Selection Tables

Size(mm)	VRCD-A, C ∅ D(mm)	VRCD-A, C ∅ A(mm)	VRCD-VB ∅ A(mm)	Air volume (m3/h)	Throw Max. (m)
150	145	250	595x595	135	0.8
200	195	300	595x595	240	1.3
250	245	350	595x595	360	1.55
300	295	400	595x595	500	1.8
350	345	450	595x595	666	2.2
400	395	500	595x595	810	2.4
450	445	550	595x595	1050	2.7
500	495	600	595x595	1215	2.9

Size(mm)	VRCD-VD ∅ D(mm)	VRCD-VD ∅ A(mm)	Air volum (m3/h)	Throw Max. (m)
150	145	300	148	0.9
200	195	400	260	1.5
250	245	450	395	1.8
300	295	500	560	2.3
350	345	550	750	2.8

Size(mm)	VRCD-VH ∅ D(mm)	VRCD-VH ∅ A(mm)	Air volum (m3/h)	Throw Max. (m)
150	145	325	160	1.4
200	195	430	285	2.3
250	245	530	445	2.7
300	295	640	640	3.1
350	345	720	865	3.6

Data were chosen when the air velocity is 2.5m/s and the velocity at throw distance is 0.25m/s.

• Data

VRCD-A/VRCD-B/VRCD-C			AIR VOLUME(m3/h)												
Size (mm)	Effective Area(m2)		150	200	300	400	500	600	700	800	900	1000	1400	2000	2500
150	0.011	Vk(m/s)	3.8	5.2	7.8	-	-	-	-	-	-	-	-	-	-
		Pt(pa)	15	24	65	-	-	-	-	-	-	-	-	-	-
		Lt(m)	2.2	2.8	4.5	-	-	-	-	-	-	-	-	-	-
		NR	-	28	48	-	-	-	-	-	-	-	-	-	-
200	0.020	Vk(m/s)	2.3	2.8	4.5	6.0	7.4	-	-	-	-	-	-	-	-
		Pt(pa)	5.4	7.9	20	30	60	-	-	-	-	-	-	-	-
		Lt(m)	1.6	2.2	3.4	4.5	4.5	-	-	-	-	-	-	-	-
		NR	-	-	27	36	48	-	-	-	-	-	-	-	-
250	0.031	Vk(m/s)	-	-	2.8	3.8	4.6	5.5	6.5	7.5	-	-	-	-	-
		Pt(pa)	-	-	7.9	16	21	26	41	62	-	-	-	-	-
		Lt(m)	-	-	2.7	3.1	4.5	5.4	6.2	4.5	-	-	-	-	-
		NR	-	-	-	-	30	36	42	48	-	-	-	-	-
300	0.046	Vk(m/s)	-	-	-	2.5	3.1	3.7	4.3	5.0	5.5	6.2	-	-	-
		Pt(pa)	-	-	-	6.5	9	15	19	22	26	34	-	-	-
		Lt(m)	-	-	-	2.8	3.6	4.7	5.3	6	7	6.2	-	-	-
		NR	-	-	-	-	-	25	30	35	38	42	-	-	-
350	0.055	Vk(m/s)	-	-	-	2.0	2.5	3.0	3.5	4.0	4.5	5.0	7.0	-	-
		Pt(pa)	-	-	-	4.2	6.5	8	13	17	20	22	51	-	-
		Lt(m)	-	-	-	2.6	3.2	3.7	4.7	5.2	6	7	9.8	-	-
		NR	-	-	-	-	-	-	24	27	33	36	47	-	-
400	0.070	Vk(m/s)	-	-	-	-	2.0	2.4	2.8	3.3	3.6	4.0	5.5	-	-
		Pt(pa)	-	-	-	-	4.2	6.1	7.9	11	14	17	26	-	-
		Lt(m)	-	-	-	-	2.8	3.4	4.2	4.7	5.2	6	9	-	-
		NR	-	-	-	-	-	-	-	23	26	30	42	-	-

450	0.089	Vk(m/s)	-	-	-	-	-	-	2.3	-	2.8	3.1	4.2	6.0	-
		Pt(pa)	-	-	-	-	-	-	5.4	2.4	7.9	9	18	30	7.8
		Lt(m)	-	-	-	-	-	-	3.4	6.1	4.6	5.1	8	10.5	65
		NR	-	-	-	-	-	-	-	4.2	-	23	34	46	13
500	0.108	Vk(m/s)	-	-	-	-	-	-	-	2.0	-	2.5	3.6	5.0	6.2
		Pt(pa)	-	-	-	-	-	-	-	4.2	2.3	6.5	14	22	34
		Lt(m)	-	-	-	-	-	-	-	3.6	5.2	4.6	7	10	12
		NR	-	-	-	-	-	-	-	-	4.2	-	28	41	48

VRCD-D			AIR VOLUME(m3/h)												
Size (mm)	Effective Area(m2)		200	300	400	500	600	700	800	900	1000	1400	2000	2500	3000
150	0.011	Vk(m/s)	3.7	5.8	7.8	-	-	-	-	-	-	-	-	-	-
		Pt(pa)	15	36	63	-	-	-	-	-	-	-	-	-	-
		Lt(m)	0.7	1.15	1.4	-	-	-	-	-	-	-	-	-	-
		NR	25	38	48	-	-	-	-	-	-	-	-	-	-
200	0.020	Vk(m/s)	2.1	3.2	4.2	5.2	6.1	7.3	-	-	-	-	-	-	-
		Pt(pa)	4.7	10	19	29	40	56	-	-	-	-	-	-	-
		Lt(m)	-	0.8	1.15	1.35	1.7	1.9	-	-	-	-	-	-	-
		NR	-	22	31	38	45	52	-	-	-	-	-	-	-
250	0.031	Vk(m/s)	-	2.2	2.8	3.5	4.2	4.9	5.6	6.2	7.2	-	-	-	-
		Pt(pa)	-	5.1	7.9	13	19	26	25	43	53	-	-	-	-
		Lt(m)	-	0.65	0.85	1.15	1.4	1.6	1.8	2.1	2.4	-	-	-	-
		NR	-	-	21	27	33	38	44	47	50	-	-	-	-
300	0.046	Vk(m/s)	-	-	2.0	2.5	3.0	3.5	4.0	4.5	5.0	7.0	-	-	-
		Pt(pa)	-	-	4.2	6.5	9	13	1.7	22	26	51	-	-	-
		Lt(m)	-	-	0.72	0.92	1.1	1.35	1.5	1.7	1.8	2.7	-	-	-
		NR	-	-	-	-	24	29	34	37	42	-	-	-	-
350	0.055	Vk(m/s)	-	-	-	-	2.2	2.6	3.0	3.4	3.7	5.2	-	-	-
		Pt(pa)	-	-	-	-	5.1	7.3	9	12	15	29	7.5	-	-
		Lt(m)	-	-	-	-	0.9	0.9	1.4	1.5	1.6	2.4	59	-	-
		NR	-	-	-	-	-	-	26	30	37	45	3.5	-	-

VRCD-H			AIR VOLUME(m3/h)												
Size (mm)	Effective Area(m2)		200	300	400	500	600	700	800	900	1000	1400	2000	2500	3000
150	0.011	Vk(m/s)	3.3	4.6	6.3	-	-	-	-	-	-	-	-	-	-
		Pt(pa)	30	49	85	-	-	-	-	-	-	-	-	-	-
		Lt(m)	3.4	4.5	6.0	-	-	-	-	-	-	-	-	-	-
		NR	30	41	52	-	-	-	-	-	-	-	-	-	-
200	0.020	Vk(m/s)	-	2.6	3.5	4.4	5.6	-	-	-	-	-	-	-	-
		Pt(pa)	-	17	31	49	68	-	-	-	-	-	-	-	-
		Lt(m)	-	1.8	2.9	3.8	4.7	-	-	-	-	-	-	-	-
		NR	-	22	31	45	67	-	-	-	-	-	-	-	-
250	0.031	Vk(m/s)	-	-	2.3	2.9	3.4	4.0	4.5	5.1	5.9	-	-	-	-
		Pt(pa)	-	-	13	20	25	31	37	46	64	-	-	-	-
		Lt(m)	-	-	1.3	2.1	2.6	3.1	3.6	3.9	4.7	-	-	-	-
		NR	-	-	14	23	27	31	36	40	46	-	-	-	-
300	0.046	Vk(m/s)	-	-	-	2.0	2.4	2.6	2.8	3.5	4.0	4.8	-	-	-
		Pt(pa)	-	-	-	11	14	16	18	25	34	68	-	-	-
		Lt(m)	-	-	-	0.8	1.4	1.7	2.1	2.3	2.8	4.2	-	-	-
		NR	-	-	-	15	20	24	27	30	35	45	-	-	-
350	0.055	Vk(m/s)	-	-	-	-	-	2.0	2.3	2.7	3.1	4.0	5.9	-	-
		Pt(pa)	-	-	-	-	-	11	14	18	22	38	80	-	-
		Lt(m)	-	-	-	-	-	0.8	0.9	1.1	1.7	2.9	3.8	-	-
		NR	-	-	-	-	-	16	21	24	27	35	48	-	-

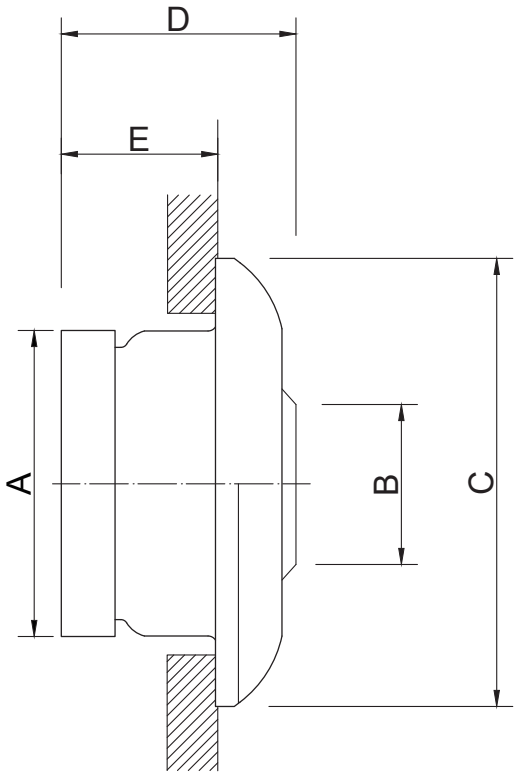
VJD-A, VJD-B

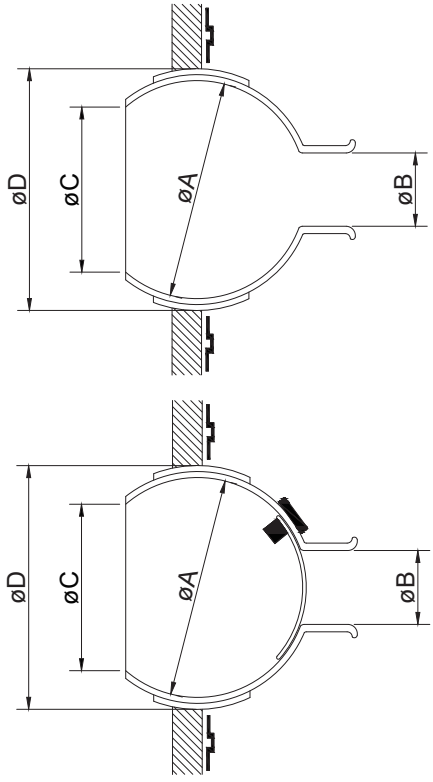
Jet Diffusers

VJD-A

VJD-B

* Jet nozzles are developed for large and high area, such as airports, shopping centers, show centers, theaters etc.
* It ensures a long throw(25m) at high outlet velocities.
* The ball can be oriented 30° angle.
* They are used for cooling or heating with the characteristic of orientation.
* Rotated by manual or motor control.
* Material: They are made of aluminum sheet.
* Accessories: Damper (butterfly damper in plastic or steel manual control; radial-shape damper screw control.)
* Mounting: Ceiling or wall mounting by screws, or collected into a circular duct.
* Finishing: White powder coating Ral9016, Ral9010, or customized color.





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• Selection tables

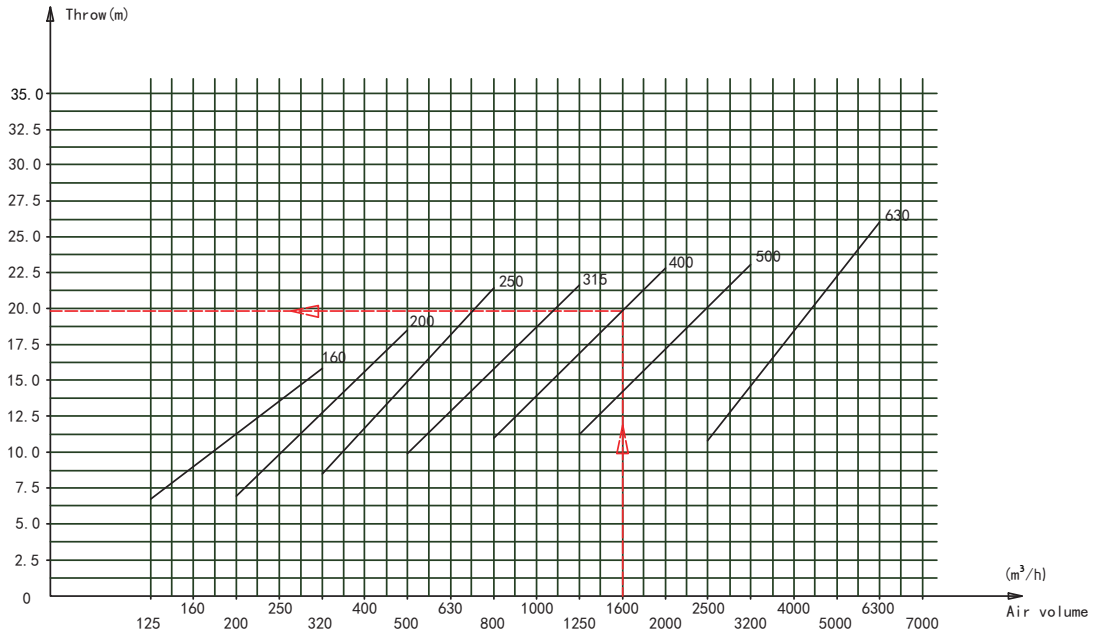
VJD-A size(mm)	A	B	C	D	E
125	120	61	172	96	72
150	145	75	200	113	83
160	155	75	200	113	83
200	195	105	265	142	107
250	245	128	314	179	135
315	310	165	390	230	174
350	345	185	433	251	186
400	395	210	495	285	218
450	445	235	559	316	235
500	495	256	618	350	259
630	625	323	779	440	335

VJD-A	Suitable round duct diameter						
size(mm)	200	250	315	500	630	800	1000
125	•	•					
150			•	•	•	•	
160			•	•	•	•	
200				•	•	•	
250				•	•	•	
315				•	•	•	
350					•	•	
400					•	•	
450						•	
500						•	•
630							•

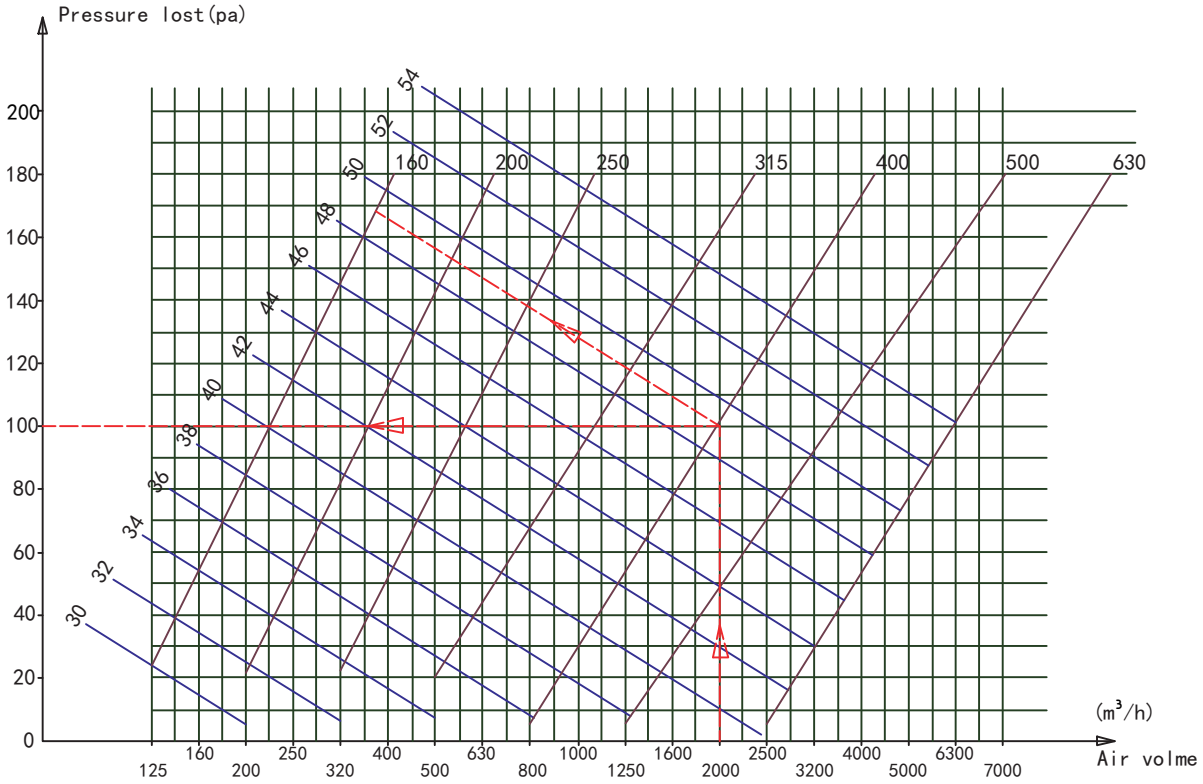
VJD-B size(mm)	A	B	C	D
160	145	80	115	160
200	195	100	160	220
250	245	125	215	260
315	310	162	255	320
400	395	200	345	410

VJD-B	Suitable round duct diameter			
size(mm)	315	500	630	800
160	•	•	•	•
200		•	•	•
250		•	•	•
315		•	•	•
400			•	•

• Data



Curve of air volume and throw for VJD-A Series(Vx=0.5m/s)



Curve of air volume ,pressure lost and noise for VJD-A Series(Vx=0.5m/s)

• Spec. Data (VJD-A)

Size(mm)	Effective area(m2)	Air volume(m3/h)	Pressure lost (Pa)	Noise dB(A)	Throw (m)
160	0.005	100	18.5	26	10.8
		125	22.8	30	13.5
		160	56	34	17.4
		200	82	39	22.2
		250	116	43	27.3
200	0.009	160	10	30	12.7
		200	21	33	16
		250	54	38	20
		320	82	41	25.7
		400	116	45	32.2
250	0.0145	250	11	29	12.9
		320	22	34	16.9
		400	55	39	25.2
		500	81	42	31.5
		630	116	46	37.5
315	0.023	400	12.8	26	16
		500	21	34	20
		630	46	38	25
		800	68	42	30.2
		1000	94	46	37

400	0.0415	630	8	32	17.6
		800	17	36	22.2
		1000	31	39	28.4
		1250	58	43	34
		1600	80	46	40
500	0.0642	1000	5	30	18.3
		1250	12	36	22.8
		1600	28.8	41	28.9
		2000	51	44	34.8
		2500	70	50	41.2
630	0.127	2000	6	36	17.5
		2500	12.5	41	21.8
		3200	29.4	43	27.6
		4000	52	46	35.4
		5000	78	49	44.3

Data were chosen when the air velocity is 2.5m/s and the velocity at throw distance is 0.25m/s.

• Spec. Data (VJD-B)

Size(mm)	Effective area(m2)	Air volume(m3/h)	Pressure lost (Pa)	Noise dB(A)	Throw (m)
160	0.0033	100	19	26	10.8
		125	23	30	13.5
		160	58	34	17.4
		200	85	39	22.2
		250	119	43	27.3
200	0.0079	160	12	30	12.7
		200	23	33	16
		250	56	38	20
		320	84	41	25.7
		400	117	45	32.2
250	0.0122	250	11	29	12.9
		320	22	34	16.9
		400	55	39	25.2
		500	81	42	31.5
		630	116	46	37.5
315	0.0214	400	12.8	26	16
		500	21	34	20
		630	46	38	25
		800	68	42	30.2
		1000	94	46	37
400	0.0415	630	8	32	17.6
		800	17	36	22.2
		1000	31	39	28.4
		1250	58	43	34
		1600	80	46	40

Data were chosen when the air velocity is 2.5m/s and the velocity at throw distance is 0.25m/s.

VJD-C, VJD-F

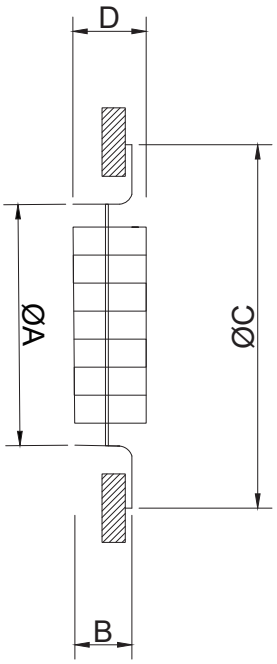
Ring Jet Diffusers

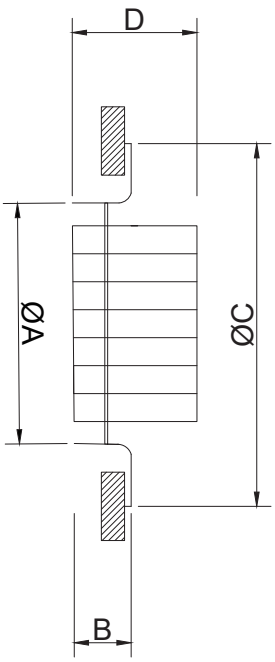
VJD-C1

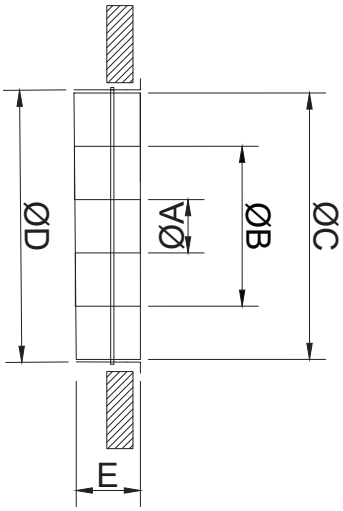
VJD-C2

VJD-F

* They are used for long throw conditions with a 60° rotation angle.
* They ensure a high air current in reduced pressure loss.
* JD–VF has an inner core with a 360° horizontal rotation angle.
* They can be multi design with a panel.
* Material: They are made of aluminum sheet.
* Mounting: Ceiling or wall mounting by screws, or collected into a circular duct.
* Finishing: White powder coating Ral9016, Ral9010, or customized color.







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• Size Data VJD-C1

A	B	C
150	50	60
200	50	60
250	50	60
300	50	60
350	50	60
400	50	60

• Size Data VJD-C2

A	B	C	D
150	50	60	140
200	50	60	140
250	50	60	140
300	50	60	140
350	50	60	140
400	50	60	140

• Size Data VJD-F

Size	A	B	C	D	E
150	95	-	150	155	145
200	95	150	190	205	155
250	95	180	250	260	155
315	100	200	285	295	155
350	100		335	340	155

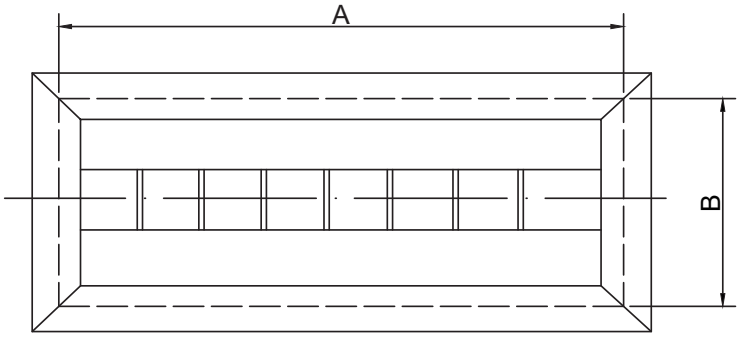
• Spec. Data

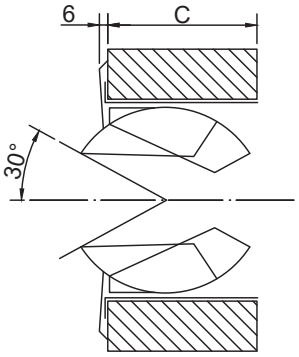
Neck Size (mm)	Effective Area(m2)	Neck Vel. (m/s)	2	3	4	5	6	7	8	10
150	0.018	M3H	127	191	254	318	382	445	509	636
		Throw(m)	2.6	4	5.5	6.8	8.2	9.6	11	15.2
		NC	-	20	24	30	37	43	47	50
200	0.031	M3H	226	339	452	565	679	792	905	1131
		Throw(m)	3.8	5.6	7.4	9.2	11	13	14.7	20.5
		NC	-	20	24	30	37	43	47	50
250	0.049	M3H	353	530	707	884	1060	1237	1414	1767
		Throw(m)	4.6	7	9.5	11.6	13.8	16.2	18.5	25.4
		NC	-	-	22	27	32	36	40	44
300	0.071	M3H	509	763	1018	1272	1527	1781	2036	2545
		Throw(m)	5.6	8.4	11.2	14	16.8	19.5	22.2	31
		NC	-	-	23	27	32	36	40	44
350	0.096	M3H	693	1039	1385	1732	2078	2425	2771	3464
		Throw(m)	6.5	9.6	13	16.3	19.5	22.6	25.6	35.5
		NC	-	-	24	28	34	37	41	45
400	0.126	M3H	905	1358	1810	2260	2715	3168	3619	4525
		Throw(m)	7.4	10.8	15.2	18.8	22.4	26.4	29.4	33.1
		NC	20	22	25	35	39	44	51	60

VJD-J
Drum Jet Diffuser

VJD-J

* Drum jet diffuser is designed to meet the requirements of low pressure drop, quiet operations, long distance throw and good air spread in large areas.
* The air flow direction can be oriented up and down by rotating the cylindrical inner casing in a 60° angle.
* The air flow direction can be oriented left and right by adjusting the blades on the inner casing.
* Material: They are made of aluminum sheet.
* Mounting: wall mounting by screws, or collected into a rectangular or circular duct.
* Finishing: White powder coating Ral9016, Ral9010, or customized color.





• Selection table

Standard size (mm)	Air Volume(m3)	Throw(m)
300x150	350 ~ 800	6 ~ 16
375x150	450 ~ 1100	6 ~ 17
450x150	500 ~ 1300	6 ~ 17
600x150	600 ~ 1900	6 ~ 20
750x150	750 ~ 2300	6 ~ 21
900x150	800 ~ 2800	6 ~ 23
600x250	1700 ~ 3500	18 ~ 33
750x250	2000 ~ 4500	18 ~ 35
900x250	2200 ~ 5000	18 ~ 38
1050x250	2500 ~ 6000	18 ~ 40
1200x250	3000 ~ 7000	18 ~ 43
1350x250	3200 ~ 7500	18 ~ 44
1500x250	3400 ~ 8500	18 ~ 45

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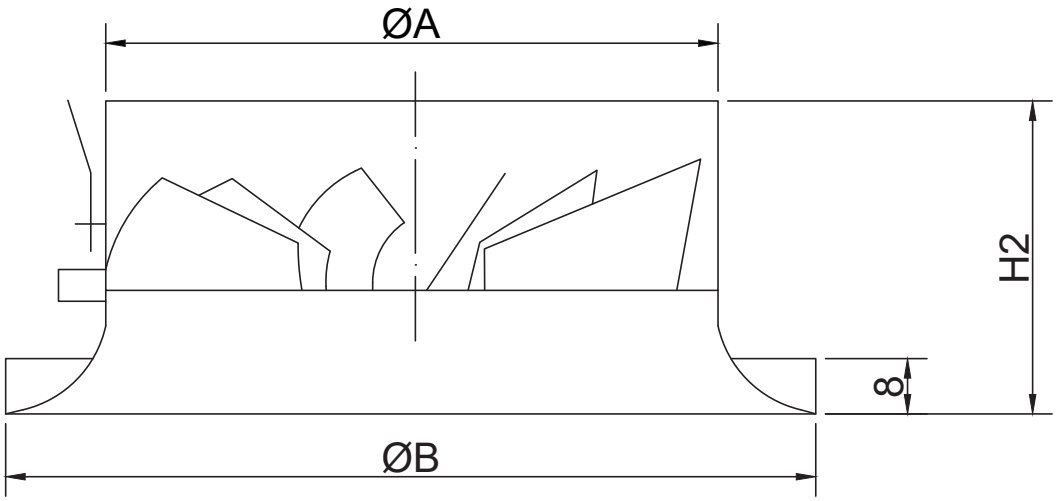
VENTECH

VSD-C
Round Swirl Diffuser

VSD-C

* They are used as supply diffuser on air duct systems
* They are ideal for the place with large space needs high air volume
* The blades distance is adjustable for cooling and heating.
* Accessories: slide damper
* Material: Made of aluminium sheet.
* Finishing: White powder coating Ral9016, Ral9010, or customized color.
* Blades control: manual or motorized



• Selection table:

MOTEL	A	Q2	H2	Air Flow Volume(m3/h)	Throw (m)
200	200	300	145	450	3.5 ~ 17.1
250	250	360	166	750	3.6 ~ 17.9
315	315	465	200	2000	3.7 ~ 18.7
400	400	568	236	2500	3.8 ~ 19.2
500	500	718	260	3000	3.9 ~ 19.6
630	600	878	304	3500	4.0 ~ 19.8

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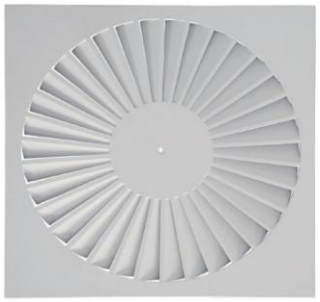
• Spec. Data VSD-C

Model											
200	Technical data for heating, blades with equal distance										
	Velocity	m/s	2	3	4	5	6	7	8	9	10
	Air Flow	m3/h	555	830	1107	1384	1660	1938	2210	2491	2780
	Pressure	Pa	13	27	43	62	83	108	135	163	192
	Noise level	Db(A)	35	38	41	44	47	50	53	56	59
	Technical data for cooling, blades with max opening										
	Velocity	m/s	2	3	4	5	6	7	8	9	10
	Air Flow	m3/h	555	830	1107	1384	1660	1938	2210	2491	2780
	Pressure	Pa	25	53	88	130	182	239	303	375	451
	Noise level	Db(A)	36	39	42	45	49	53	56	60	63
	Max Throw	m	3.5	4.9	6.6	8.1	9.8	11.9	13.6	15.3	17.1
250	Technical data for heating, blades with equal distance										
	Velocity	m/s	2	3	4	5	6	7	8	9	10
	Air Flow	m3/h	348	520	65	869	1043	1216	1389	1563	1738
	Pressure	Pa	12	23	37	53	71	91	112	135	160
	Noise level	Db(A)	36	39	42	45	48	51	54	57	60
	Technical data for cooling, blades with max opening										
	Velocity	m/s	2	3	4	5	6	7	8	9	10
	Air Flow	m3/h	348	520	65	869	1043	1216	1389	1563	1738
	Pressure	Pa	20	42	70	104	143	187	237	292	351
	Noise level	Db(A)	37	40	43	46	50	53	56	59	63
	Max Throw	m	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2	17.9
315	Technical data for heating, blades with equal distance										
	Velocity	m/s	2	3	4	5	6	7	8	9	10
	Air Flow	m3/h	555	830	1107	1384	1660	1938	2210	2491	2780
	Pressure	Pa	13	27	43	62	83	108	135	163	192
	Noise level	Db(A)	35	38	41	44	47	50	53	56	59
	Technical data for cooling, blades with max opening										
	Velocity	m/s	2	3	4	5	6	7	8	9	10
	Air Flow	m3/h	555	830	1107	1384	1660	1938	2210	2491	2780
	Pressure	Pa	25	53	88	130	182	239	303	375	451
	Noise level	Db(A)	36	39	42	45	49	53	56	60	63
	Max Throw	m	3.7	5.6	7.5	9.3	11.2	13.1	14.9	16.8	18.7

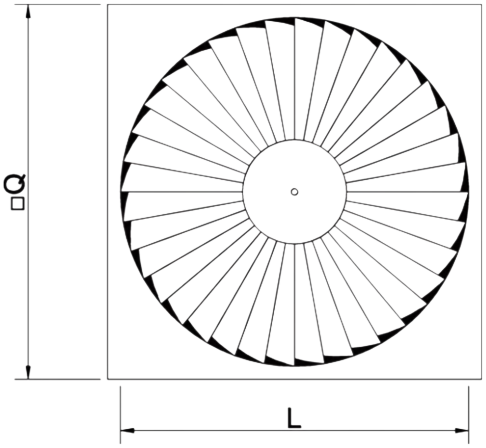
400	Technical data for heating, blades with equal distance										
	Velocity	m/s	2	3	4	5	6	7	8	9	10
	Air Flow	m3/h	895	1343	1791	2238	2686	3581	3529	4029	4476
	Pressure	Pa	16	31	50	73	99	128	160	195	231
	Noise level	Db(A)	33	37	41	46	51	56	61	66	71
	Technical data for cooling, blades with max opening										
	Velocity	m/s	2	3	4	5	6	7	8	9	10
	Air Flow	m3/h	895	1343	1791	2238	2686	3581	3529	4029	4476
	Pressure	Pa	32	66	111	165	229	302	384	474	573
	Noise level	Db(A)	34	38	43	48	53	58	63	68	73
	Max Throw	m	3.8	5.8	7.7	9.6	11.5	13.5	15.4	17.3	19.2
500	Technical data for heating, blades with equal distance										
	Velocity	m/s	2	3	4	5	6	7	8	9	10
	Air Flow	m3/h	1402	2103	2803	3503	4205	4906	5607	6308	7006
	Pressure	Pa	18	35	58	84	115	149	186	227	270
	Noise level	Db(A)	32	36	40	45	50	55	60	65	70
	Technical data for cooling, blades with max opening										
	Velocity	m/s	2	3	4	5	6	7	8	9	10
	Air Flow	m3/h	1402	2103	2803	3503	4205	4906	5607	6308	7006
	Pressure	Pa	39	81	136	203	282	372	473	585	707
	Noise level	Db(A)	33	37	42	47	52	57	62	67	72
	Max Throw	m	3.9	5.9	7.8	9.8	11.7	13.7	15.7	17.6	19.6
630	Technical data for heating, blades with equal distance										
	Velocity	m/s	2	3	4	5	6	7	8	9	10
	Air Flow	m3/h	2229	3344	4458	5573	6687	7801	8916	10031	11145
	Pressure	Pa	20	40	66	97	132	172	216	263	314
	Noise level	Db(A)	38	42	46	51	56	61	66	71	76
	Technical data for cooling, blades with max opening										
	Velocity	m/s	2	3	4	5	6	7	8	9	10
	Air Flow	m3/h	2229	3344	4458	5573	6687	7801	8916	10031	11145
	Pressure	Pa	47	98	166	249	346	457	582	720	871
	Noise level	Db(A)	39	43	48	53	58	63	68	73	78
	Max Throw	m	4.0	5.9	7.9	9.9	11.9	13.9	15.9	17.8	19.8

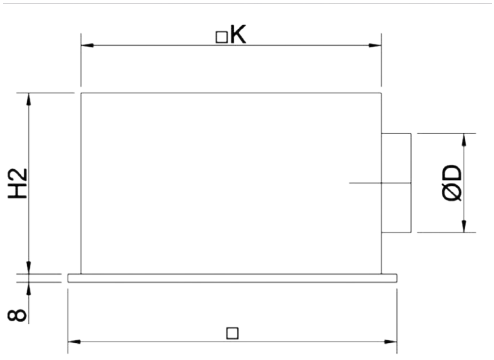
VSD-A
Square Swirl Diffuser

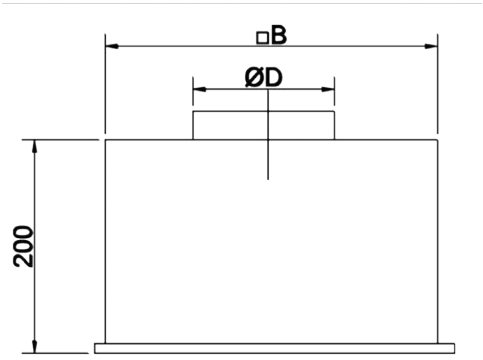


SD-VA

* They are used as supply diffuser on the ceiling.
* They are ideal for the place needs high air volume.
* They can be used between 2.6m and 4m height.
* Accessories: Plenum box, round slide damper.
* Finishing: White powder coating Ral9016, Ral9010, or customized color.







• Selection table:

Standard size	Effective Area (m2)	B	D	L	Q	H2	K	Air volume(m3/h)
300x300	0.009	280	148	250	295	250	290	145-200
400x400	0.018	364	198	350	395	295	372	180-400
500x500	0.025	462	198	450	495	295	476	215-520
595x595	0.030	559	248	538	595	345	567	290-600
600x600	0.030	559	248	538	598	345	567	290-600
625x625	0.030	559	248	538	623	345	567	290-600

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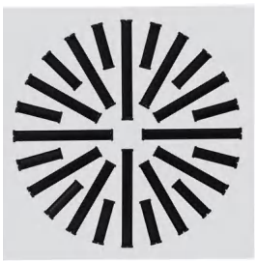
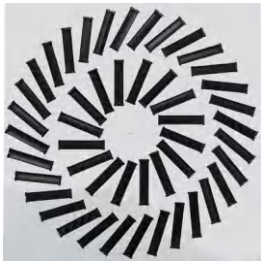
VSD-D

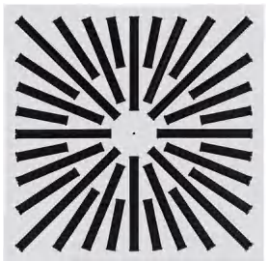
Square Swirl Diffuser



SD-VD1

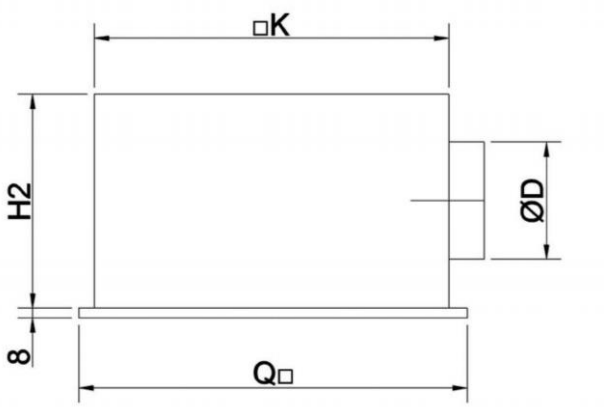


SD-VD2

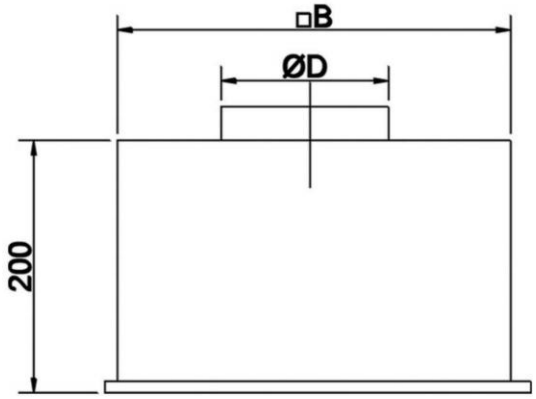


SD-VD5

* They are used as supply and return diffuser on the ceiling.
* They are with adjustable black plastic blades
* They can be used between 2.6m and 4m height.
* Accessories: Plenum box, round slide damper.
* Finishing: White powder coating Ral9016, Ral9010, or customized color.



Plenum box with side entry



Plenum box with top entry

• Selection table:

Model	Standard size	B	D	L	Q	H2	K	Air volume(m3/h)
SD-VD1	295x295-8	280	148	250	295	250	290	55-250
SD-VD1	395x395-12	364	198	350	395	295	372	100-400
SD-VD1	495x495-24	462	198	450	495	295	476	140-470
SD-VD1	595x595-28	559	248	538	595	345	567	250-730
SD-VD2	295x295-10	280	148	250	295	250	290	150-410
SD-VD2	395x395-12	364	198	350	395	295	372	170-490
SD-VD2	495x495-24	462	198	450	495	295	476	300-980
SD-VD2	595x595-48	559	248	538	595	345	567	360-1380
SD-VD5	595x595-32	559	248	538	595	345	567	420-1600

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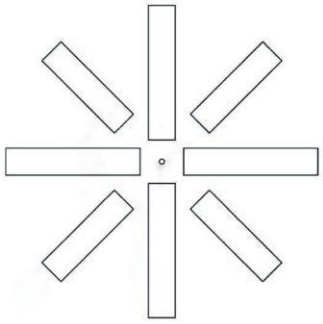
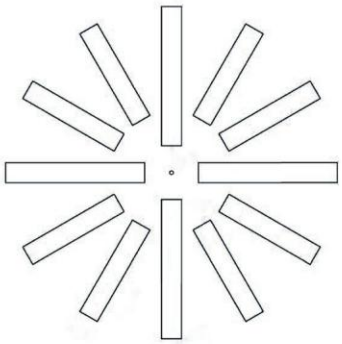
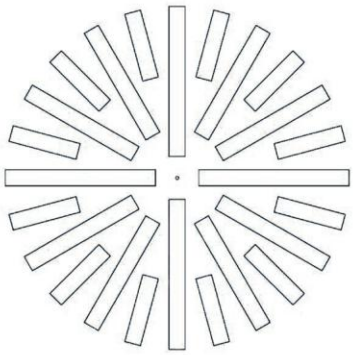
• Different blades designs



SD-VD1-295x295-8



SD-VD1-395x395-12



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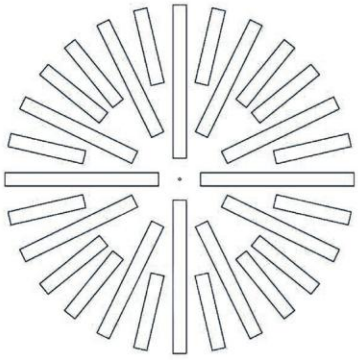
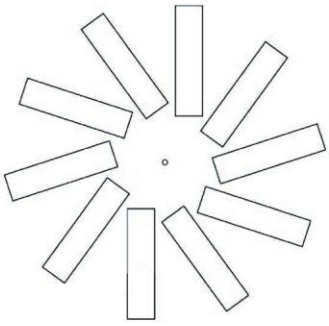
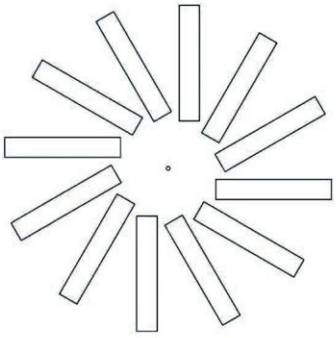


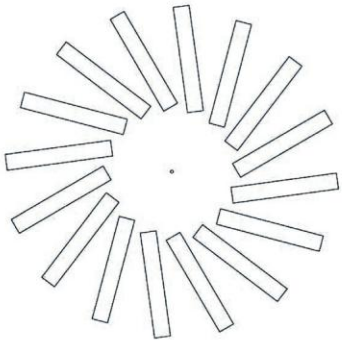
SD-VD1-595x595-28



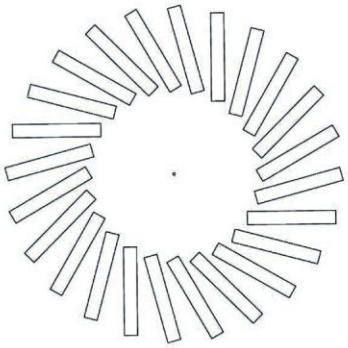
SD-VD2-295x295-10



SD-VD2-395x395-12



SD-VD2-495x495-16



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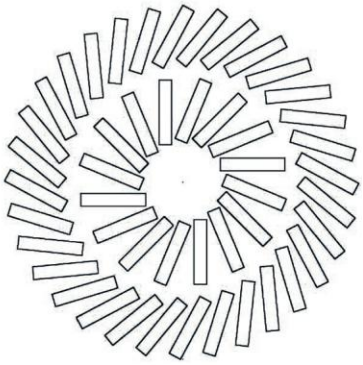
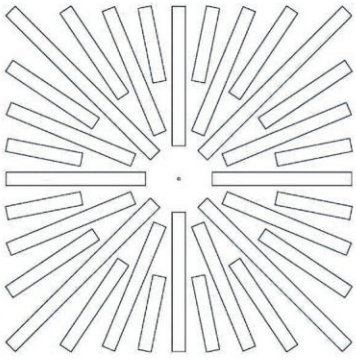
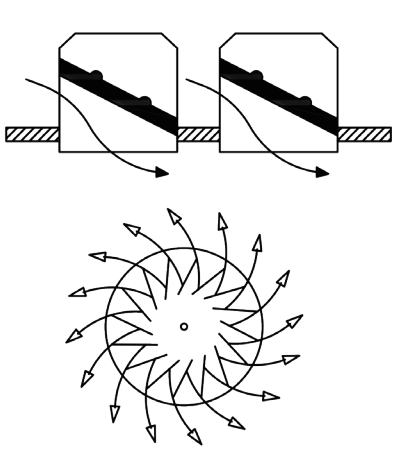
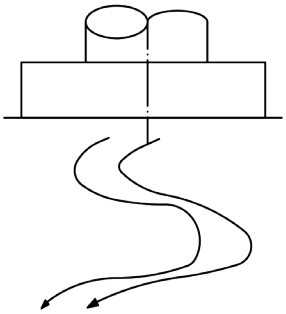


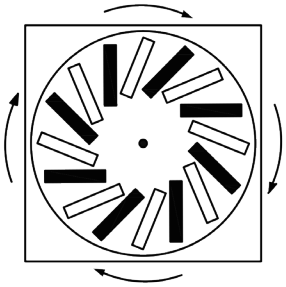
SD-VD2-595x595-48

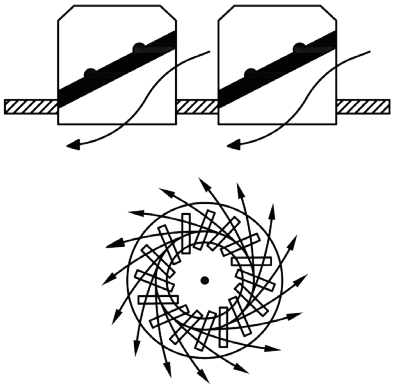


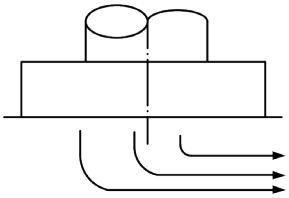
SD-VD5-595x595-32

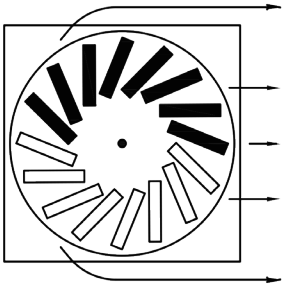


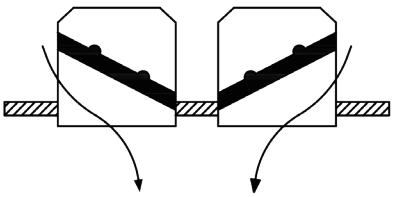


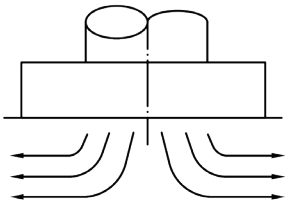


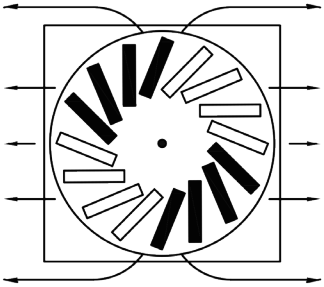




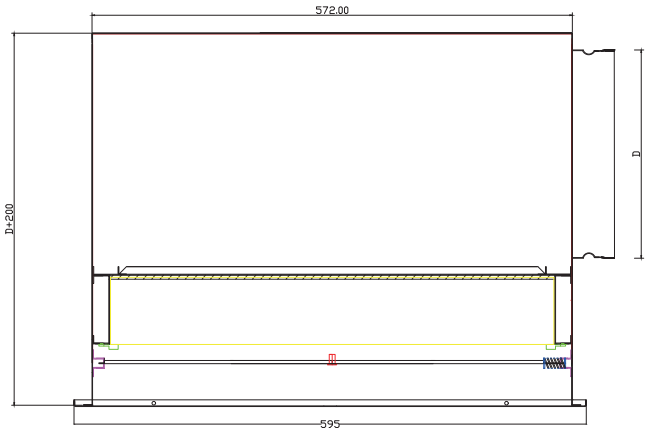








VHEPAB
Swirl Diffuser with HEPA Filter



* 99.99% High efficiency H14 HEPA filter included
* Removable face for easy access and filter change
* High induction airflow for high efficiency air mixing and faster removal of contaminants
* Multiple sizes available

Swirl Diffusers with HEPA Filter have the dual function of filtering the air and diffusing the filtered air in the room, both with very high efficiency. They are suitable for installations that require very pure, germ–free air such as clean rooms and pharmaceutical laboratories.

Model	Nominal Air Volume (m^3/h)	Pressure Drop (Pa)	Full Pressure (Pa)	Filter Efficiency (%)
VHEPA-B-595x595-D200	1000	200	500	99.99

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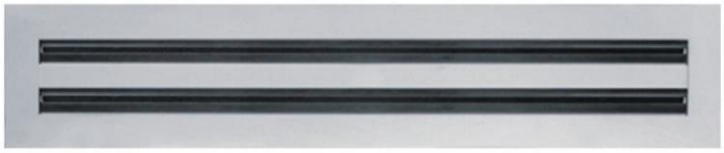
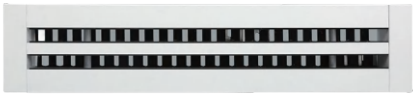
VENTECH

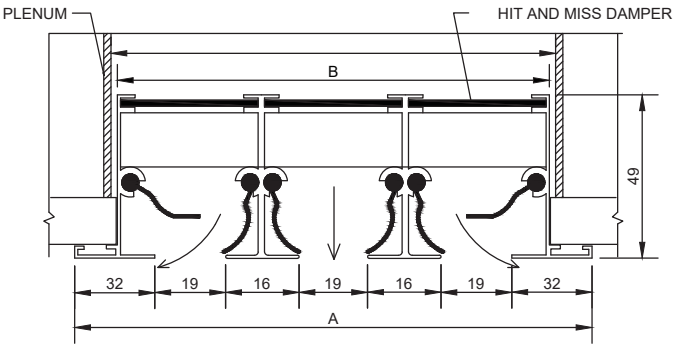
VLSD
Linear Slot Diffuser



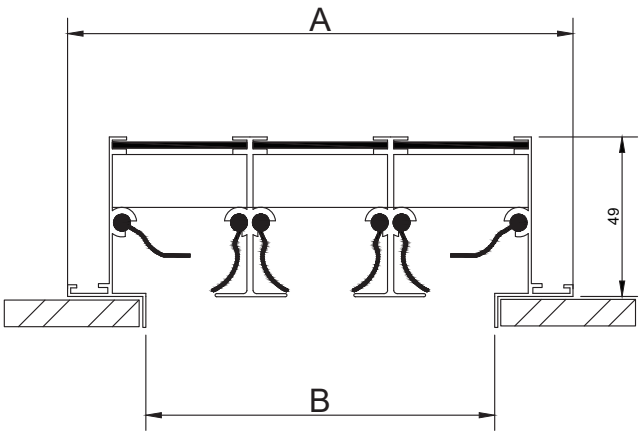
* These slot diffusers are available in 1–6 slots. 19mm or 25mm slot size.
* They can be mounted on wall or ceiling.
* They can be used in rooms with ceiling heights from approx. 2.6 m to 4.0 m
* The direction of the air discharge can be adjusted by rotating the air control blades.
* Accessories: Plenum box.
* Finishing: White powder coating Ral9016, Ral9010, or customized color.



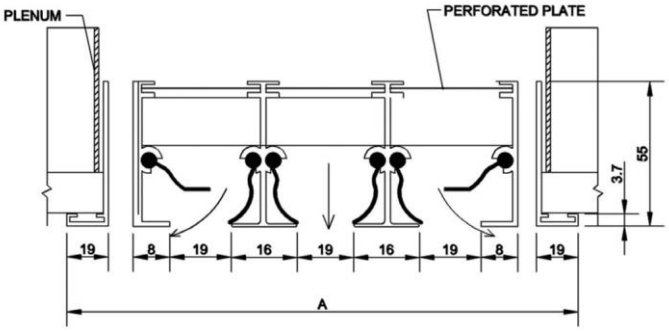
VLSD-A1



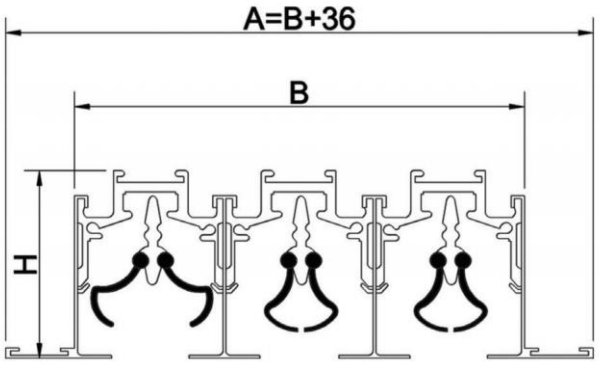
VLSD-A2



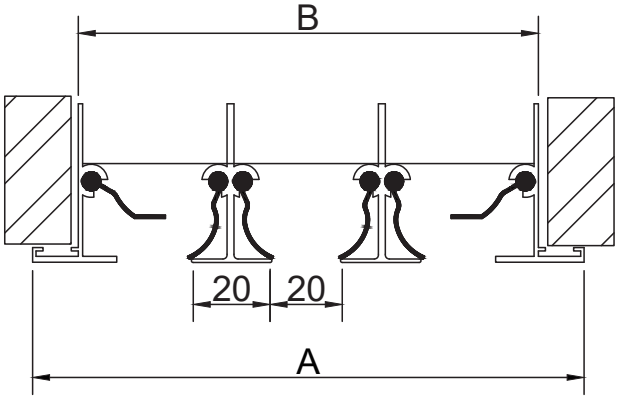
VLSD-B
(removable core)



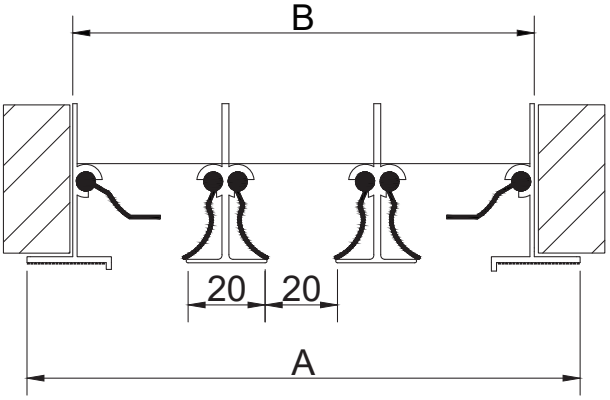
VLSD-C



VLSD-D1



VLSD-D2



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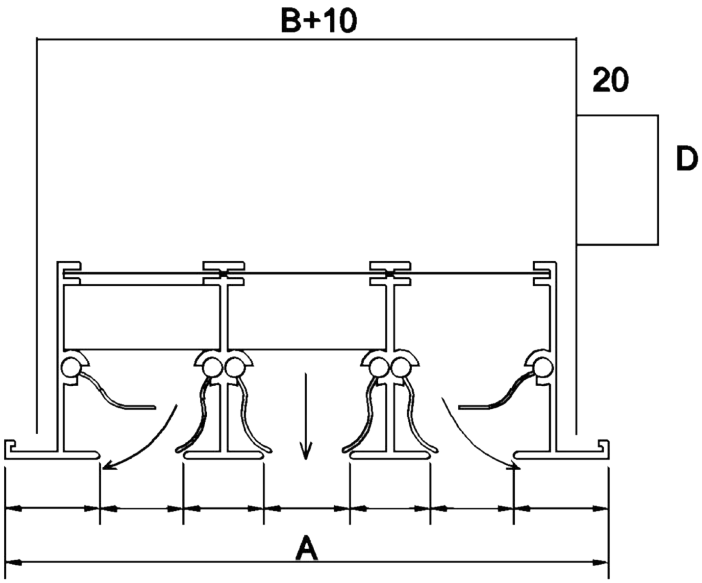
With Plenum



Size Tabs

VLSD-A

Slot Distance	Slots	A	B	H
20	1	84	40	49
	2	120	76	49
	3	155	111	49
	4	191	147	49
	5	226	182	49
	6	262	218	49
25	1	89	45	49
	2	130	86	49
	3	170	126	49
	4	211	167	49
	5	251	207	49
	6	292	248	49

VLSD-B

Slots		Slot Distance	A	B	H
2		20	144	94	55
2		25	154	104	55

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VLSD-C

Slot Distance	Slots	A	B	H
20	1	75	40	45
	2	114	79	45
	3	153	118	45
	4	192	157	45
	5	231	196	45
	6	270	235	45
25	1	80	45	45
	2	124	89	45
	3	168	133	45
	4	212	177	45
	5	256	221	45
	6	300	265	45

VLSD-D

Slot Distance	Slots	A	B	H
20	1	60	36	30
	2	100	76	30
	3	140	116	30
	4	180	156	30
	5	220	196	30
	6	260	226	30
25	1	65	41	30
	2	110	86	30
	3	155	131	30
	4	200	176	30
	5	245	221	30
	6	290	266	30

• Spec. Data (Slot 20mm)

1 slot	Airflow(m3/h)	33	66	106	140	173	206	240	279	312
	Static pressure	0.10	0.41	0.94	1.65	2.58	3.71	5.05	6.60	8.38
	NC			14	20	26	30	34	37	40
	Throw(m)	1	2	3	4	4	5	5	5	5
2slots	Airflow(m3/h)	67	139	205	278	348	413	485	552	625
	Static pressure	0.10	0.41	0.94	1.65	2.58	3.71	5.05	6.60	8.38
	NC			17	23	29	33	37	40	43
	Throw(m)	1	3	4	5	6	6	7	7	8

3slots	Airflow(m3/h)	105	205	312	415	520	625	725	830	932
	Static pressure	0.10	0.41	0.94	1.65	2.58	3.71	5.05	6.60	8.38
	NC			18	25	31	35	39	42	45
	Throw(m)	2	3	5	6	7	8	9	9	10
4slots	Airflow(m3/h)	140	278	413	550	692	830	970	1105	1239
	Static pressure	0.10	0.41	0.94	1.65	2.58	3.71	5.05	6.60	8.38
	NC			20	26	32	36	40	43	46
	Throw(m)	2	4	6	7	8	9	10	10	11
5slots	Airflow(m3/h)	173	345	520	692	865	1038	1211	1385	1558
	Static pressure	0.10	0.41	0.94	1.65	2.58	3.71	5.05	6.60	8.38
	NC			21	27	33	37	41	44	47
	Throw(m)	2	4	6	8	9	10	11	12	12
6slots	Airflow(m3/h)	206	413	625	831	1038	1244	1451	1663	1869
	Static pressure	0.10	0.41	0.94	1.65	2.58	3.71	5.05	6.60	8.38
	NC			21	28	34	38	42	45	48
	Throw(m)	2	5	7	9	10	11	12	13	14

• Spec. Data (Slot 25mm)

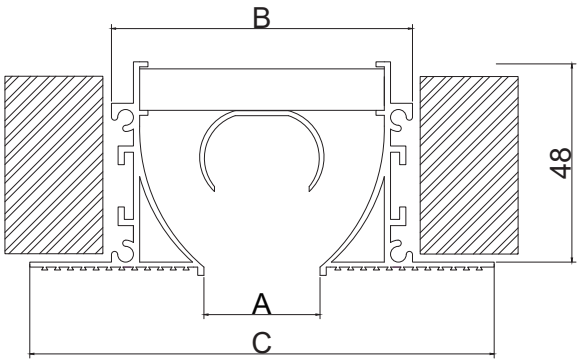
1 slot	Airflow(m3/h)	39	73	112	145	183	222	256	296	329
	Static pressure	0.10	0.36	0.81	1.45	2.26	3.25	4.42	5.79	7.32
	NC			13	20	26	30	34	37	40
	Throw(m)	1	2	4	4	5	5	5	6	6
2slots	Airflow(m3/h)	73	145	223	296	368	441	513	590	665
	Static pressure	0.10	0.36	0.81	1.45	2.26	3.25	4.42	5.79	7.32
	NC			16	23	29	33	37	40	43
	Throw(m)	2	3	5	6	7	7	8	9	9
3slots	Airflow(m3/h)	112	223	329	440	550	664	776	881	990
	Static pressure	0.10	0.36	0.81	1.45	2.26	3.25	4.42	5.79	7.32
	NC			18	25	30	35	39	42	45
	Throw(m)	2	4	6	7	8	9	10	10	11
4slots	Airflow(m3/h)	145	296	440	590	738	881	1032	1177	1328
	Static pressure	0.10	0.36	0.81	1.45	2.26	3.25	4.42	5.79	7.32
	NC			19	26	32	36	40	43	46
	Throw(m)	2	5	7	9	9	10	11	12	13
5slots	Airflow(m3/h)	183	368	551	736	920	1105	1289	1473	1658
	Static pressure	0.10	0.36	0.81	1.45	2.26	3.25	4.42	5.79	7.32
	NC			20	27	33	37	41	44	47
	Throw(m)	3	5	8	9	10	12	12	13	14
6slots	Airflow(m3/h)	222	440	663	881	1105	1328	1546	1768	1986
	Static pressure	0.10	0.36	0.81	1.45	2.26	3.25	4.42	5.79	7.32
	NC			21	28	33	38	42	45	48
	Throw(m)	3	6	9	10	12	12	14	15	16

• Flow Bar

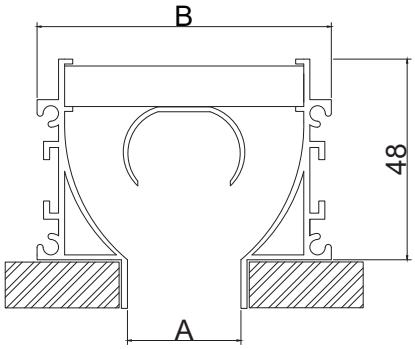
VLSD-L1

VLSD-L2

* Flow bar is a decorative frameless slot diffuser.
* They can be mounted on wall or ceiling.
* They can be used in rooms with ceiling heights from approx. 2.6 m to 4.0 m
* The direction of the air discharge can be adjusted by adjusting the location of the black deflector.
* Accessories: Plenum box.
* Finishing: White powder coating Ral9016, Ral9010, or customized color.



VLSD-L1



VLSD-L2

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• Size Data:

Model	A	B	C
25 slot	25	69	109
38 slot	38	82	122
50 slot	50	94	134

• Specifications:

VLSD-L-25 (25mm slot openning 1 meter length)							
Air Volume (m3/h)	128	213	298	383	468	553	638
Static Pressure(Pa)	7	14	30	51	78	108	145
NC (dB)	/	15	25	33	38	44	49
Throw (m)	1	2	4	4	5	5	5

VLSD-L-38 (38mm slot openning 1 meter length)							
Air Volume (m3/h)	150	238	306	374	442	510	578
Static Pressure(Pa)	6	17	29	47	55	75	95
NC (dB)	/	13	22	29	33	38	41
Throw (m)	1	2	4	4	5	5	5

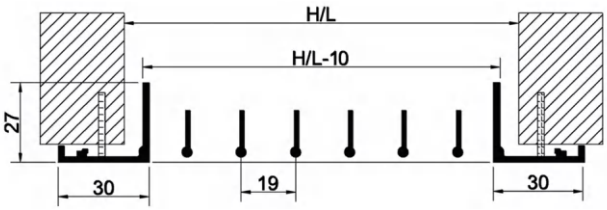
VLSD-L-50 (50mm slot openning 1 meter length)							
Air Volume (m3/h)	150	270	390	490	595	695	800
Static Pressure(Pa)	5	14	27	40	50	68	85
NC (dB)	/	12	21	25	31	36	50
Throw (m)	1	2	4	4	5	5	5

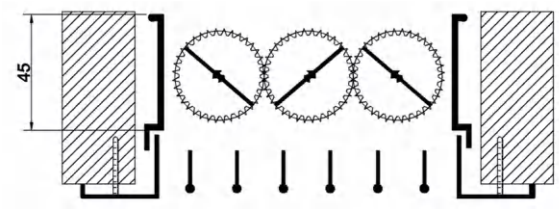
VSDG
Single Deflection Grille

VSDG-VA

VSDG-VE

* They are used as a supply grille
* Their blades are adjustable horizontally and vertically.
* Accessories: Damper, Plenum box
* Mounting: Screw fixing is standard, concealed clip fixing as optional.
* Finishing: White powder coating Ral9016, Ral9010, or customized color. Anodized.





• Spec. Data

LxH	100x	200			250			300			350			400		
M3/H	Deflection.	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45
100	Vel	2.16	2.37	3.16	1.70	1.86	2.48	1.40	1.53	2.05	1.18	1.29	1.73	1.03	1.13	1.51
	P	0.28	0.34	0.60	0.17	0.22	0.37	0.12	0.14	0.25	0.08	0.10	0.18	0.06	0.08	0.14
	T	2.70	2.22	1.96	2.39	1.97	1.73	2.17	1.79	1.58	2.00	1.65	1.46	1.86	1.53	1.36
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
200	Vel	4.32	4.75	6.33	3.39	3.73	4.97	2.79	3.08	4.10	2.37	2.61	3.48	2.06	2.28	3.02
	P	1.12	1.35	2.40	0.69	0.83	1.48	0.48	0.58	1.00	0.34	0.41	0.72	0.26	0.31	0.55
	T	5.40	4.44	3.93	4.78	3.94	3.48	4.34	3.57	3.16	4.00	3.29	2.91	3.73	3.07	2.71
	dbA	17	18	20	15	16	18	15	15	17	15	15	15	15	15	15
300	Vel	6.48	7.12	9.49	5.09	5.59	7.45	4.19	4.60	6.13	3.55	3.91	5.21	3.09	3.40	4.53
	P	2.52	3.04	5.41	1.55	1.88	3.33	1.05	1.38	2.26	0.76	0.92	1.63	0.58	0.69	1.23
	T	8.10	6.68	5.89	7.17	5.91	5.22	6.51	5.36	4.73	6.00	4.93	4.37	5.59	4.61	4.08
	dbA	25	25	27	23	23	26	21	22	24	19	20	23	18	19	22

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400	Vel	8.64	9.50	12.66	6.78	7.46	9.94	5.58	6.13	8.18	4.73	5.22	6.95	4.12	4.53	6.03
	P	4.48	5.41	9.61	2.76	3.33	5.93	1.88	2.26	4.02	1.35	1.63	2.90	1.02	1.23	2.19
	T	10.80	8.89	7.85	9.57	7.88	6.96	8.68	7.15	6.32	8.00	6.59	5.82	7.46	6.14	5.43
	dbA	30	31	33	38	29	31	27	27	30	25	26	29	23	24	27
500	Vel	10.80	11.87	15.82	8.48	9.32	12.42	6.98	7.66	10.23	5.93	6.51	8.70	5.15	5.66	7.56
	P	6.99	8.46	15.02	4.31	5.21	9.26	2.92	3.53	6.28	2.11	2.55	4.53	1.59	1.93	3.42
	T	13.49	11.11	9.82	11.96	9.85	8.70	10.85	8.93	7.89	10.00	8.23	7.28	9.32	7.68	6.78
	dbA	35	36	38	33	34	36	31	32	35	29	30	33	28	29	32
600	Vel	12.95	14.25	18.99	10.17	11.19	14.91	8.38	9.21	12.28	7.12	7.82	10.43	6.19	6.80	9.08
	P	10.08	12.18	21.63	6.31	7.51	13.33	4.21	5.06	9.03	3.05	3.68	6.53	2.21	2.78	4.94
	T	16.19	13.33	11.79	14.36	11.83	10.45	13.02	10.73	9.48	12.01	9.89	8.74	11.20	9.22	8.15
	dbA	39	40	42	37	38	40	35	36	38	33	34	37	32	33	36
700	Vel	15.11	16.62	22.15	11.88	13.06	17.39	9.77	10.75	14.32	8.31	9.13	12.17	7.22	9.95	10.58
	P	13.72	16.58	2945	8.46	10.22	18.15	5.74	6.92	12.31	4.15	5.01	8.88	3.13	3.79	6.72
	T	18.89	15.56	13.75	16.75	13.79	12.18	15.19	12.51	11.05	14.00	11.53	10.19	13.05	10.75	9.50
	dbA	42	43	45	40	41	43	38	39	42	37	38	40	35	36	39
800	Vel	17.27	18.99	2.531	13.58	14.91	19.88	11.18	12.28	16.36	9.49	10.44	13.90	8.25	9.08	12.10
	P	17.90	21.65	38.45	11.04	13.36	23.72	7.48	9.05	16.06	5.41	6.53	11.61	4.08	4.95	8.77
	T	21.59	17.78	15.72	19.13	15.75	13.92	17.36	14.29	12.63	16.01	13.18	11.65	14.92	12.30	10.86
	dbA	45	46	48	43	44	46	41	42	45	40	41	43	38	39	42
900	Vel										10.67	11.74	15.65	9.28	10.21	13.61
	P										6.85	8.28	14.68	5.18	6.25	11.11
	T										18.01	14.82	13.11	16.78	13.82	12.22
	dbA										42	43	46	41	42	45
1000	Vel										11.86	13.05	17.38	10.32	11.35	15.12
	P										8.44	10.19	18.11	6.38	7.71	13.59
	T										20.10	16.58	14.55	18.66	15.38	13.58
	dbA										45	46	49	43	44	47

LxH	150x	200			250			300			350			400		
M3/H	Deflection.	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45
100	Vel	1.35	1.48	1.98	1.06	1.16	1.55	0.88	0.96	1.28	0.75	0.82	1.08	0.65	0.71	0.95
	P	0.11	0.13	0.23	0.08	0.09	0.14	0.05	0.05	0.10	0.03	0.04	0.06	0.02	0.03	0.05
	T	2.13	1.76	1.55	1.89	1.56	1.38	1.72	1.42	1.25	1.58	1.31	1.15	1.48	1.22	1.08
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15

200	Vel	2.69	2.96	3.95	2.11	2.32	3.10	1.75	1.91	2.55	1.49	1.63	2.18	1.39	1.41	1.88
	P	0.43	0.53	0.93	0.27	0.32	0.58	0.18	0.22	0.39	0.13	0.16	0.28	0.10	0.12	0.22
	T	4.26	3.52	3.10	3.78	3.11	2.75	3.43	2.82	2.49	3.16	2.61	2.30	2.95	2.44	2.15
	dbA	15	15	16	15	15	15	15	15	15	15	15	15	15	15	15
300	Vel	4.04	4.45	5.93	3.18	3.49	4.65	2.62	2.88	3.83	2.22	2.45	3.25	1.93	2.12	2.84
	P	0.98	1.18	2.11	0.61	0.73	1.30	0.42	0.49	0.88	0.30	0.36	0.63	0.22	0.28	0.48
	T	6.39	5.26	4.65	5.68	.468	4.12	5.15	4.23	3.75	4.75	.390	3.45	4.42	3.65	3.22
	dbA	20	21	24	18	19	22	16	17	20	15	15	18	15	15	17
400	Vel	5.38	5.92	7.89	4.23	4.65	6.20	3.48	3.83	5.10	2.96	3.25	4.33	2.57	2.83	3.77
	P	1.74	2.10	3.74	1.07	1.30	2.30	0.73	0.88	1.55	0.52	0.63	1.13	0.41	0.49	0.85
	T	8.52	7.02	6.20	7.55	6.22	5.50	6.85	5.63	4.99	6.32	5.20	4.60	5.89	4.85	4.29
	dbA	26	27	30	24	25	28	21	22	26	19	20	24	17	19	22
500	Vel	6.73	7.40	9.86	5.29	5.81	7.75	4.35	4.78	6.38	3.70	4.07	5.42	3.21	3.53	4.71
	P	2.72	3.29	5.83	1.68	2.03	3.60	1.14	1.38	2.44	0.82	0.99	1.76	0.62	0.75	1.33
	T	10.65	8.77	7.75	9.44	7.78	6.87	8.57	7.05	6.23	7.90	6.50	5.75	7.36	6.06	5.36
	dbA	31	32	34	28	29	32	26	27	30	24	25	29	22	23	27
600	Vel	8.08	8.88	11.83	6.33	6.98	9.29	5.22	5.75	7.65	4.44	4.88	6.50	3.86	4.24	5.65
	P	3.91	4.73	8.41	2.41	2.92	5.18	1.64	1.98	3.51	1.18	1.43	2.54	0.89	1.08	1.92
	T	12.79	10.53	9.30	11.33	9.33	8.24	10.28	8.47	7.48	9.48	7.80	6.89	8.85	7.28	6.43
	dbA	35	36	38	32	33	36	30	31	34	28	29	32	26	27	31
700	Vel	9.42	10.36	13.81	7.40	8.14	10.84	6.09	6.70	8.93	5.18	5.69	7.59	4.50	4.95	6.59
	P	5.33	6.44	11.44	3.29	3.97	7.06	2.23	2.69	4.78	1.61	1.94	3.45	1.21	1.47	2.61
	T	14.92	12.28	10.85	13.22	10.89	9.62	11.99	9.88	8.73	11.06	9.10	8.04	10.31	8.49	7.50
	dbA	38	39	42	36	37	39	33	34	38	31	32	36	29	30	34
800	Vel	10.77	11.85	15.78	8.46	9.30	12.39	6.96	7.65	10.20	5.92	6.50	8.67	5.14	5.66	7.54
	P	.696	14.04	14.95	4.29	5.19	9.22	2.91	3.52	6.24	2.10	2.54	4.51	1.59	1.92	3.41
	T	17.05	13.30	12.40	15.11	12.44	10.99	13.71	11.29	9.98	12.63	10.40	9.19	11.78	9.70	8.57
	dbA	41	42	45	39	40	42	36	37	41	34	35	39	32	33	37
900	Vel	12.12	10.65	17.76	9.51	10.46	13.94	7.83	8.61	11.48	6.65	7.32	9.75	5.79	6.36	8.48
	P	8.81	15.79	18.92	5.43	6.57	11.66	3.68	4.45	.790	2.66	3.21	5.71	2.01	2.43	4.31
	T	19.18	15.21	13.95	17.00	14.01	12.37	15.42	12.70	11.22	14.21	11.71	10.34	13.25	10.91	9.64
	dbA	44	45	47	41	42	45	39	40	43	37	38	41	35	36	40
1000	Vel	13.46	14.86	19.73	10.57	11.62	15.49	8.70	9.68	12.75	7.39	8.13	10.83	6.43	7.07	9.42
	P	10.87	13.15	23.35	6.70	8.11	14.40	4.54	5.49	9.76	3.28	3.97	7.05	2.48	3.00	5.33
	T	21.31	17.55	15.51	18.88	15.55	13.74	17.13	14.11	12.47	15.79	13.01	11.49	14.73	12.13	10.71
	dbA	46	47	50	44	45	48	41	43	46	39	41	44	37	39	42

1200	Vel										8.87	9.76	13.00	7.71	8.48	11.31
	P										4.72	5.71	10.15	3.57	4.32	7.67
	T										18.95	15.61	13.79	17.67	14.55	12.86
	dbA										44	45	48	42	43	47

• Selection table VSDG

LxH	200x	200			250			300			350			400		
M3/H	Deflection.	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45
100	Vel	0.98	1.08	1.43	0.77	0.84	1.13	0.63	0.70	0.93	0.55	0.59	0.79	0.47	0.51	0.68
	P	0.06	0.07	0.12	0.04	0.04	0.08	0.02	0.03	0.05	0.02	0.02	0.04	0.01	0.02	0.03
	T	1.82	1.50	1.32	1.61	1.33	1.17	1.46	1.20	1.06	1.35	1.11	0.98	1.26	1.03	0.91
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
200	Vel	1.96	2.15	2.87	1.54	1.69	2.25	1.26	1.39	1.85	1.07	1.18	1.57	0.93	1.03	1.37
	P	0.23	0.28	0.49	0.14	0.17	0.30	0.10	0.12	0.21	0.07	0.08	0.15	0.05	0.06	0.11
	T	3.63	2.99	2.64	3.22	2.65	2.334	2.92	2.41	2.13	2.69	2.22	1.96	2.51	2.07	1.83
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
300	Vel	2.93	3.23	4.30	2.30	2.53	3.38	1.90	2.09	2.78	1.61	1.77	2.36	1.40	1.54	2.05
	P	0.52	0.62	1.11	0.32	0.39	0.68	0.22	0.26	0.46	0.16	0.19	0.33	0.12	0.14	0.25
	T	5.45	4.49	3.96	4.83	3.98	3.51	4.38	3.61	3.19	4.04	3.33	2.94	3.77	3.10	2.74
	dbA	17	18	21	15	15	19	15	15	16	15	15	15	15	15	15
400	Vel	3.91	4.30	5.73	3.07	3.38	4.50	2.53	2.78	3.71	2.15	2.36	3.15	1.87	2.05	2.74
	P	0.92	1.11	1.97	0.57	0.68	1.22	0.38	0.46	0.82	0.28	0.33	0.59	0.21	0.25	0.45
	T	7.27	5.98	5.29	6.44	5.30	4.68	5.84	4.81	4.25	5.38	4.43	3.92	5.02	4.13	3.65
	dbA	23	24	27	20	21	24	17	18	22	15	16	20	15	15	18
500	Vel	4.89	5.38	7.17	3.84	4.22	5.63	3.16	3.48	4.63	2.69	2.95	3.94	2.34	2.57	3.42
	P	1.43	1.73	3.08	0.88	1.07	1.90	0.60	0.72	1.29	0.43	0.52	0.93	0.33	0.40	0.70
	T	9.08	7.48	6.61	8.05	6.63	5.86	7.30	6.01	5.31	6.73	5.554	4.90	6.28	5.17	4.57
	dbA	27	28	31	24	26	29	12	23	27	19	21	25	17	18	23
600	Vel	5.87	6.45	8.60	4.61	5.07	6.75	3.79	4.17	5.56	3.22	3.54	4.72	2.80	3.08	4.11
	P	2.07	2.50	4.44	1.27	1.54	2.74	0.86	1.04	1.85	0.62	0.75	1.34	0.47	0.57	1.01
	T	10.90	8.97	7.93	9.66	7.95	7.03	8.76	7.22	6.38	8.08	6.65	5.88	7.53	6.20	5.48
	dbA	31	32	35	28	29	33	26	27	31	23	25	29	21	22	27
700	Vel	6.85	7.53	10.03	5.38	5.91	7.88	4.43	4.87	6.49	3.76	4.13	5.51	3.27	3.59	4.79
	P	2.81	3.40	6.04	1.73	2.10	3.72	1.17	1.42	5.52	0.85	1.03	1.82	0.64	0.78	1.38
	T	12.71	10.47	9.25	11.27	9.28	8.20	10.22	8.42	7.44	9.42	7.76	6.86	8.79	7.24	6.39
	dbA	35	36	39	32	33	36	29	30	34	26	28	32	24	26	30

800	Vel	7.82	8.60	11.47	6.14	6.76	9.00	5.06	5.56	7.41	4.30	4.73	6.30	3.74	4.11	5.48
	P	3.67	4.44	7.89	2.26	2.74	4.86	1.53	1.86	3.30	1.11	1.34	2.38	0.84	1.01	1.80
	T	14.53	11.97	10.57	12.88	10.60	9.37	11.68	9.62	8.50	10.77	8.87	7.84	10.04	8.27	7.31
	dbA	38	39	42	35	36	39	32	33	37	29	31	35	27	29	33
900	Vel	8.80	9.68	12.90	6.91	7.60	10.13	5.69	6.26	8.34	4.83	5.32	7.09	4.20	4.62	6.16
	P	4.65	5.62	9.98	2.87	3.48	6.16	1.94	2.35	4.18	1.41	1.70	3.02	1.06	1.28	2.28
	T	16.35	13.46	11.89	14.49	11.93	10.54	13.14	10.82	9.56	12.12	9.98	8.82	11.30	9.30	8.22
	dbA	40	41	44	37	39	42	35	36	40	32	34	38	30	31	36
1000	Vel	9.78	10.75	14.33	7.68	8.44	11.25	6.32	6.95	9.26	5.37	5.91	7.87	4.67	5.14	6.85
	P	5.74	6.95	12.32	3.55	4.28	7,60	2.40	2.90	5.15	1.73	2.09	7.87	1.31	1.58	2.81
	T	18.16	14.96	13.22	16.09	13.25	11.71	4.60	12.03	10.63	13.46	11.09	9.79	12.55	10.34	9.13
	dbA	43	44	47	40	41	44	37	38	42	35	36	40	32	34	38
1200	Vel				9.22	10.13	13.50	7.59	8.35	11.12	6.45	7.09	9.45	5.60	6.16	8.21
	P				5.10	6.16	10.95	3.45	4.17	7.42	2.49	3.01	5.35	1.88	2.28	4.05
	T				19.31	15.90	14.05	17.52	14.43	12.75	16.15	13.30	11.75	15.06	12.40	10.96
	dbA				44	45	49	41	43	45	39	40	44	37	38	43

• Selection table VSDG

LxH	250x	200			250			300			350			400		
M3/H	Deflection.	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45
100	Vel	0.60	0.66	0.88	0.50	0.55	0.73	0.42	0.46	0.62	0.37	0.40	0.54	0.32	0.36	0.48
	P	0.02	0.03	0.05	0.01	0.02	0.03	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.01
	T	1.43	1.17	1.04	1.29	1.07	0.94	1.19	0.98	0.87	1.11	0.92	0.81	1.05	0.86	0.76
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
200	Vel	1.21	1.33	1.77	0.99	1.09	1.45	0.84	0.93	1.24	0.73	0.81	1.07	0.65	0.71	0.95
	P	0.09	0.11	0.19	0.06	0.07	0.13	0.04	0.05	0.09	0.03	0.04	0.07	0.03	0.03	0.05
	T	2.85	2.35	2.98	2.59	2.13	1.88	2.39	1.96	1.74	2.22	1.83	1.62	2.09	1.72	1.52
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
300	Vel	1.81	1.99	2.65	1.49	1.64	2.18	1.27	1.39	1.85	1.10	1.21	1.61	0.97	1.07	1.43
	P	0.20	0.24	0.42	0.13	0.16	0.29	0.10	0.12	0.21	0.07	0.09	0.16	0.06	0.07	0.12
	T	4.28	3.52	3.11	3.88	3.20	2.82	3.58	2.95	2.60	3.34	2.75	2.43	3.14	2.58	2.28
	dbA	15	15	16	15	15	15	15	15	15	15	15	15	15	15	15
400	Vel	2.41	2.65	3.53	1.99	2.18	2.91	1.69	1.86	2.47	1.47	1.61	2.15	1.30	1.43	1.90
	P	0.35	0.42	0.75	0.24	0.29	0.51	0.17	0.21	0.37	0.13	0.16	0.28	0.10	0.12	0.22
	T	5.70	4.70	4.15	5.18	4.26	3.77	4.77	3.93	3.47	4.45	3.66	3.24	4.18	3.45	3.04
	dbA	16	18	21	15	15	19	15	15	17	15	15	15	15	15	15
500	Vel	3.01	3.32	4.42	2.48	2.73	3.64	2.11	2.32	3.09	1.83	2.02	2.69	1.62	1.78	2.38
	P	0.55	0.66	1.17	0.37	0.45	0.79	0.27	0.32	0.57	0.20	0.24	0.43	0.16	0.19	0.34
	T	7.13	5.87	5.19	6.47	5.33	4.71	5.96	4.91	4.34	5.56	4.58	4.05	5.23	4.31	3.81
	dbA	21	22	26	18	19	24	15	17	21	15	15	19	15	15	17

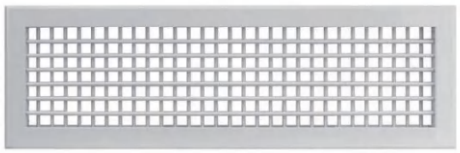
600	Vel	3.62	3.98	5.30	2.98	3.27	4.36	2.53	2.78	3.71	2.20	2.42	3.22	1.95	2.14	2.85
	P	0.79	0.95	1.69	0.53	0.64	1.14	0.38	0.46	0.83	0.29	0.35	0.62	0.23	0.27	0.49
	T	8.56	7.05	6.23	7.76	6.39	5.65	7.16	5.89	5.21	6.67	5.50	4.86	6.28	5.17	4.57
	dbA	25	26	30	22	23	28	19	21	25	16	18	23	15	16	21
700	Vel	4.22	4.64	6.19	3.47	3.82	5.09	2.95	3.25	4.33	2.57	2.82	3.76	2.27	2.50	3.33
	P	1.07	1.29	2.30	.72	0.88	1.56	0.52	0.63	1.12	0.40	0.48	0.85	0.31	0.37	0.66
	T	9.98	8.22	7.26	9.06	7.46	6.59	8.35	6.88	6.08	7.79	6.41	5.66	7.32	6.03	5.33
	dbA	28	30	33	25	27	31	22	24	29	20	22	26	17	19	24
800	Vel	4.82	5.30	7.07	3.97	4.37	5.82	3.37	3.71	4.95	2.93	3.23	4.30	2.59	2.85	3.80
	P	1.40	1.69	3.00	0.95	1.14	2.03	0.68	0.83	1.47	0.52	0.62	1.11	0.40	0.49	0.87
	T	11.41	9.40	8.30	10.35	8.52	7.53	9.54	7.87	6.94	8.90	7.33	6.47	8.37	6.89	6.09
	dbA	31	33	36	28	30	34	25	27	32	23	25	29	20	22	27
900	Vel	5.43	5.97	7.95	4.47	4.91	6.55	3.80	4.17	5.56	3.30	3.63	4.84	2.92	3.21	4.28
	P	1.77	2.14	3.80	1.20	1.45	2.57	0.86	1.05	1.86	0.65	0.79	1.40	0.51	0.62	1.10
	T	12.84	10.57	9.34	11.65	9.59	8.47	10.74	8.84	7.81	10.01	8.24	7.28	9.41	7.75	6.85
	dbA	34	35	39	31	32	37	28	30	34	25	27	32	23	25	30
1000	Vel	6.03	6.63	8.84	.496	5.46	7.27	4.22	4.64	6.18	3.67	4.03	5.37	3.24	3.57	4.75
	P	2.18	2.64	4.69	1.48	1.79	3.18	1.07	1.29	2.29	0.81	0.98	1.73	0.63	0.76	1.36
	T	14.26	11.74	10.38	12.94	10.66	9.42	11.93	9.82	8.68	11.12	9.16	8.09	10.46	8.61	7.61
	dbA	36	38	42	33	35	39	31	32	37	28	30	35	26	27	33
1200	Vel	7.24	7.96	10.60	5.96	6.55	8.73	5.06	5.57	7.42	4.40	4.84	6.45	3.89	4.28	5.70
	P	3.14	3.80	.675	2.13	2.57	4.57	1.54	1.86	3.30	1.16	1.40	2.50	0.91	1.10	1.95
	T	17.11	14.09	12.45	15.53	12.79	11.30	14.31	11.79	10.42	13.35	10.99	9.71	12.55	10.34	9.13
	dbA	41	42	46	38	39	43	35	37	41	32	34	39	30	32	37

LxH	300x	200			250			300			350			400		
M3/H	Deflection.	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45
100	Vel	0.41	0.45	0.60	0.35	0.38	0.51	0.30	0.33	0.44	0.27	0.29	0.39	0.24	0.26	0.35
	P	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.01		0.01	0.01			0.01
	T	1.17	0.97	0.85	1.08	0.89	0.79	1.01	0.83	0.73	0.95	0.78	0.69	0.90	0.74	0.65
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
200	Vel	0.82	0.90	1.20	0.69	0.76	1.02	0.60	0.66	0.88	0.53	0.59	0.78	0.48	0.53	0.70
	P	0.04	0.05	0.09	0.03	0.03	0.06	0.02	0.03	0.05	0.02	0.02	0.04	0.01	0.02	0.03
	T	2.35	1.93	1.71	2.16	1.78	1.57	2.02	1.66	1.47	1.90	1.56	1.38	1.80	1.48	1.31
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15

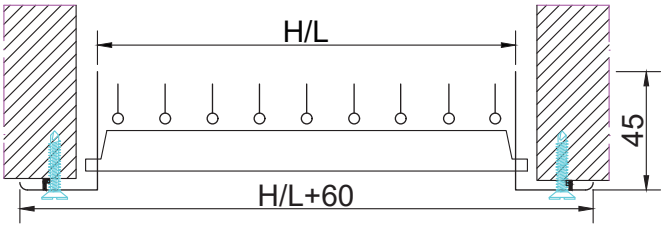
300	Vel	1.23	1.35	1.80	1.04	1.15	1.53	0.91	1.00	1.33	0.80	0.88	1.17	0.72	0.79	1.05
	P	0.09	0.11	0.19	0.07	0.08	0.14	0.05	0.06	0.11	0.04	0.05	0.08	0.03	0.04	0.07
	T	3.52	2.90	2.56	3.25	2.67	2.36	3.03	2.49	2.20	2.85	2.34	2.07	2.70	2.22	1.96
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
400	Vel	1.63	1.80	2.40	1.39	1.53	2.04	1.21	1.33	1.77	1.07	1.17	1.57	0.96	1.05	1.40
	P	0.16	0.19	0.34	0.12	0.14	0.25	0.09	0.11	0.19	0.07	0.08	0.15	0.05	0.07	0.12
	T	4.70	3.87	3.42	4.33	3.56	3.15	4.04	3.32	2.94	3.80	3.13	2.76	3.59	2.96	2.62
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
500	Vel	2.04	2.25	2.99	1.74	1.91	2.54	1.51	1.66	2.21	1.34	1.47	1.96	1.20	1.32	1.75
	P	0.25	0.30	0.54	0.18	0.22	0.39	0.14	0.17	0.29	0.11	0.13	0.23	0.09	0.10	0.18
	T	5.87	4.83	4.27	5.41	4.46	3.94	5.05	4.15	3.67	4.75	3.91	3.45	4.49	3.70	3.27
	dbA	15	16	21	15	15	18	15	15	16	15	15	15	15	15	15
600	Vel	2.45	2.70	3.59	2.08	2.29	3.05	1.81	1.99	2.65	1.60	1.76	2.35	1.44	1.58	2.10
	P	0.36	0.44	0.77	0.26	0.31	0.56	0.20	0.24	0.42	0.15	0.19	0.33	0.12	0.15	0.27
	T	7.04	5.80	5.13	6.49	5.35	4.72	6.05	4.99	4.41	5.59	4.69	4.14	5.39	4.44	3.92
	dbA	18	20	24	15	17	22	15	15	20	15	15	18	15	15	16
700	Vel	2.86	3.15	4.19	2.43	2.67	3.56	2.11	2.32	3.10	1.87	2.06	2.74	1.68	1.84	2.46
	P	0.49	0.59	1.05	0.35	0.43	0.76	0.27	0.32	0.58	0.21	0.25	0.45	0.17	0.20	0.36
	T	8.22	6.77	5.98	7.58	6.24	5.51	7.06	5.82	5.14	6.64	5.47	4.83	6.29	5.18	4.58
	dbA	22	23	28	19	21	26	16	18	23	15	15	21	15	15	19
800	Vel	3.27	3.59	4.79	2.78	3.05	4.07	2.42	2.66	3.54	2.14	2.35	3.13	1.91	2.11	2.81
	P	0.64	0.78	1.38	0.46	0.56	0.99	0.35	0.42	0.75	0.27	0.33	0.59	0.22	0.27	0.47
	T	9.39	7.73	6.83	8.66	7.13	6.30	8.07	6.65	5.87	7.59	6.25	5.52	7.19	5.92	5.23
	dbA	25	26	31	22	24	29	19	21	26	16	18	24	15	16	22
900	Vel	3.68	4.04	5.39	3.13	3.44	4.58	2.72	2.99	3.98	2.40	2.64	3.52	2.15	2.37	3.16
	P	0.81	0.98	1.74	0.59	0.71	1.26	0.44	0.54	0.95	0.35	0.42	0.74	0.28	0.34	0.60
	T	10.57	8.70	7.69	9.74	8.02	7.09	9.08	7.48	6.61	8.54	7.03	6.21	8.09	6.66	5.88
	dbA	28	29	34	24	26	31	22	24	29	19	21	27	16	19	25
1000	Vel	4.09	4.49	5.99	3.47	3.82	5.09	3.02	.32	4.42	2.67	2.94	3.91	2.39	2.63	3.51
	P	1.00	1.21	2.15	0.72	0.87	1.55	0.55	0.66	1.17	0.43	0.52	0.92	0.34	0.42	0.74
	T	11.74	9.67	8.54	10.82	8.91	7.87	10.09	8.31	7.34	9.49	7.82	6.91	8.99	7.40	6.54
	dbA	30	32	36	27	29	34	24	26	31	21	23	29	19	21	27
1200	Vel	4.90	5.39	7.19	4.17	4.58	6.11	3.62	3.98	5.31	3.20	3.52	4.70	2.87	3.16	4.21
	P	1.94	1.74	3.10	1.04	1.26	2.24	0.79	0.95	1.69	0.62	0.74	1.32	0.49	0.60	1.06
	T	14.09	11.60	10.25	12.99	10.68	9.45	12.11	9.98	8.81	11.39	9.38	8.29	10.78	8.88	7.86
	dbA	34	36	41	31	33	38	28	30	36	26	28	33	23	25	31

VDDG

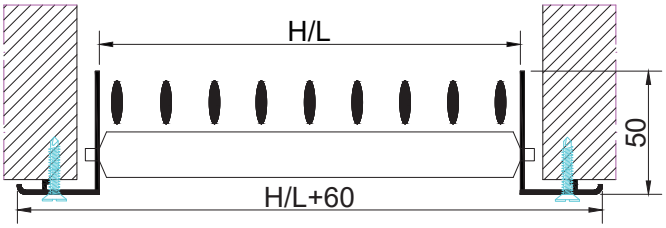
Double Deflection Grille

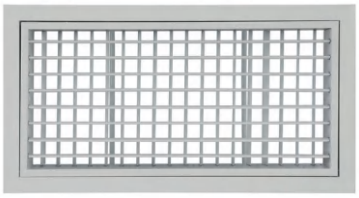


VDDG-A (wire)

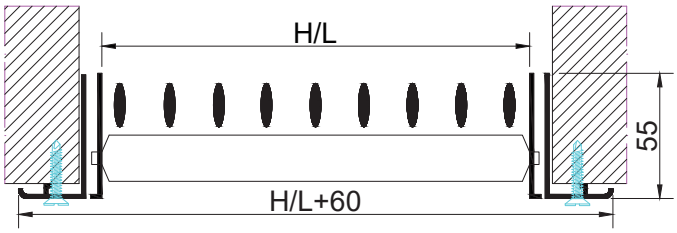


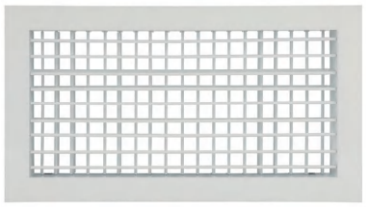
VDDG-B



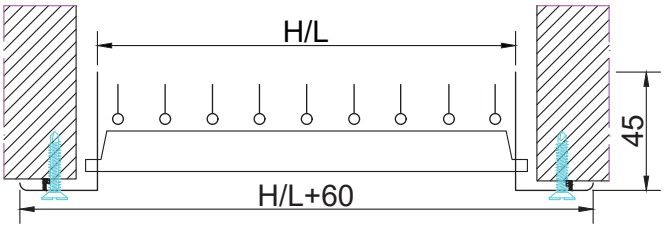


VDDG-D

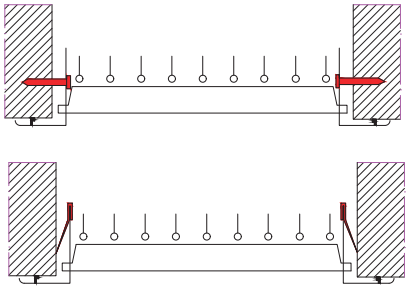




VDDG-E (bush)



* They are used as a supply grille
* Their blades are adjustable horizontally and vertically.
* Accessories: Damper, Plenum box
* Mounting: Screw fixing is standard, concealed clip fixing as optional.
* Finishing: White powder coating Ral9016, Ral9010, or customized color. Anodized.



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• Selection table VDDG

LxH	100x	200			250			300			350			400		
M3/H	Deflection.	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45
100	Vel	2.36	2.62	3.31	1.85	2.06	2.60	1.52	1.69	2.14	1.40	1.44	1.82	1.13	1.26	1.58
	P	0.33	0.41	0.66	0.21	0.25	0.41	0.14	0.17	0.28	0.11	0.12	0.20	0.08	0.09	0.15
	T	3.45	2.86	2.46	3.05	2.52	2.18	2.77	2.30	1.97	2.56	2.12	1.82	2.38	1.97	1.70
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
200	Vel	4.72	5.24	6.63	3.70	4.12	5.20	3.05	3.39	4.28	2.59	2.88	3.64	2.25	2.50	3.16
	P	1.34	1.65	2.63	0.82	1.02	1.62	0.56	0.69	1.10	0.40	0.50	0.79	0.30	0.38	0.60
	T	6.90	5.71	4.91	6.11	5.06	4.35	5.55	4.59	3.95	5.11	4.23	3.64	4.77	3.95	3.39
	dbA	18	19	20	16	17	18	15	15	15	17	15	15	15	15	15
300	Vel	7.08	7.87	9.94	5.56	6.18	7.80	4.57	5.08	6.42	3.89	4.32	5.46	3.38	3.76	4.75
	P	3.00	3.71	5.93	1.85	2.29	3.65	1.26	1.55	2.48	0.91	1.12	1.79	0.69	0.85	1.35
	T	10.35	8.57	7.37	9.17	7.59	6.53	8.32	6.89	5.92	7.67	6.35	5.46	7.15	5.92	5.09
	dbA	25	26	28	23	24	26	22	23	25	20	21	23	19	20	22
400	Vel	9.44	10.49	13.25	7.41	8.23	10.40	6.10	6.78	8.57	5.18	5.76	7.28	4.51	5.01	6.33
	P	5.34	6.60	10.53	3.29	4.07	6.49	2.22	2.78	4.40	1.60	1.99	3.19	1.22	1.51	2.41
	T	13.78	11.43	9.83	12.22	10.12	8.71	11.09	9.18	7.90	10.22	8.46	7.28	9.53	7.98	6.78
	dbA	31	32	33	29	30	32	27	28	30	26	27	29	24	25	28
500	Vel	11.79	13.11	16.56	9.26	10.29	13.01	7.62	8.47	10.71	6.48	7.20	9.10	5.63	6.26	7.91
	P	8.35	10.31	16.46	5.15	6.36	10.15	3.49	4.31	6.88	2.52	3.11	4.97	1.90	2.35	3.75
	T	17.24	14.28	12.28	15.29	12.66	10.89	13.86	11.48	9.87	12.78	10.58	9.10	11.92	9.86	8.49
	dbA	36	36	38	34	35	36	32	33	35	30	31	34	29	30	32
600	Vel	14.15	15.73	19.88	11.11	12.35	15.61	9.15	10.17	12.85	7.77	8.64	10.92	6.76	7.51	9.49
	P	12.02	14.85	23.70	7.41	9.15	14.62	5.02	6.20	9.90	3.63	4.48	7.15	2.74	3.39	5.40
	T	20.69	17.13	14.74	18.34	15.18	13.06	16.65	13.77	11.85	15.34	12.70	10.92	14.31	11.85	10.18
	dbA	40	40	42	38	39	40	36	37	39	34	35	37	33	34	36
700	Vel	16.51	18.35	23.19	12.97	14.41	18.21	10.67	11.86	14.99	9.07	10.08	12.74	7.89	8.76	11.07
	P	16.36	20.21	32.26	10.09	12.46	19.89	6.84	8.44	13.48	4.94	6.10	9.73	3.73	4.61	7.36
	T	24.14	19.99	17.19	21.39	17.71	15.24	19.41	16.07	13.82	17.89	14.81	12.74	16.68	13.81	11.88
	dbA	43	44	45	41	42	44	39	40	42	38	39	41	36	37	40
800	Vel	18.87	20.98	26.50	14.82	16.47	20.81	12.20	13.56	17.13	10.37	11.52	14.56	9.01	10.02	12.66
	P	21.37	26.39	41.15	13.18	16.28	25.98	8.93	11.03	17.61	6.45	7.96	12.71	4.87	6.02	9.61
	T										20.45	18.93	14.56	19.06	15.78	13.58
	dbA										41	42	44	39	40	43

900	Vel										11.66	12.96	16.38	10.15	11.27	14.25
	P										8.16	10.08	16.09	6.17	7.62	12.16
	T										23.00	19.04	16.38	21.45	17.76	15.28
	dbA										43	44	47	42	43	45
1000	Vel										12.96	14.40	18.20	11.26	12.52	15.83
	P										10.07	12.44	19.87	7.61	9.40	15.01
	T										25.56	21.16	18.20	23.83	19.73	16.97
	dbA										46	47	49	44	45	48

• Selection table VDDG

LxH	150x	200			250			300			350			400		
M3/H	Deflection.	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45
100	Vel	1.47	1.63	2.07	1.15	1.28	1.62	0.95	1.06	1.34	0.81	0.90	1.13	0.7	0.78	0.99
	P	0.13	0.16	0.26	0.08	0.10	0.16	0.05	0.07	0.11	0.04	0.05	0.08	0.03	0.04	0.06
	T	2.72	2.25	1.94	2.41	2.00	1.72	2.19	1.81	1.56	2.02	1.67	1.44	1.88	1.56	1.34
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
200	Vel	2.94	3.27	4.13	2.31	2.57	3.24	1.90	2.11	2.67	1.62	1.80	2.27	1.40	1.56	1.97
	P	0.52	0.64	1.02	0.32	0.40	0.63	0.22	0.27	0.43	0.16	0.19	0.31	0.12	0.15	0.23
	T	5.45	4.51	3.88	4.83	4.00	3.44	4.38	3.62	3.12	4.04	3.34	2.87	3.76	3.12	2.68
	dbA	15	15	17	15	15	15	15	15	15	15	15	15	15	15	15
300	Vel	4.41	4.90	6.20	3.46	3.85	4.87	2.85	3.17	4.01	2.42	2.69	3.40	2.11	2.34	2.96
	P	1.17	1.44	2.30	0.72	0.89	1.42	0.49	0.60	0.96	0.35	0.44	0.70	0.27	0.33	0.53
	T	8.17	6.76	5.82	7.24	5.99	5.16	6.57	5.44	4.68	6.05	5.01	4.31	5.56	4.67	4.02
	dbA	21	22	24	19	20	22	17	18	20	15	16	16	15	15	17
400	Vel	5.88	6.54	8.26	4.62	5.13	6.49	3.80	4.23	5.34	3.23	3.59	4.55	2.80	3.12	3.95
	P	2.08	2.57	3.10	1.28	1.58	2.53	0.87	1.07	1.71	0.63	0.77	1.24	0.47	0.58	0.93
	T	10.89	9.02	7.76	9.65	7.99	6.87	8.76	7.25	6.24	8.07	6.68	5.75	7.53	6.23	5.36
	dbA	27	28	30	25	26	28	22	24	26	20	22	24	18	20	23
500	Vel	7.35	8.17	10.33	5.77	6.42	8.11	4.75	5.28	6.68	4.04	4.49	5.66	3.50	3.90	4.92
	P	3.24	4.00	6.40	2.01	2.47	3.95	1.36	1.67	2.67	0.98	1.21	1.93	0.74	0.91	1.46
	T	13.62	11.27	9.70	12.06	9.99	8.59	10.95	9.06	7.80	10.09	8.35	7.19	9.41	7.79	6.70
	dbA	32	33	35	29	30	33	27	28	31	25	26	29	23	25	27
600	Vel	8.82	9.81	12.39	6.93	7.70	9.73	5.70	6.34	8.01	4.85	5.39	6.81	4.20	4.68	5.92
	P	4.67	5.77	9.21	2.88	3.56	5.68	1.95	2.41	3.85	1.41	1.74	2.78	1.07	1.32	2.10
	T	14.34	13.53	11.64	14.48	11.99	10.31	13.14	10.87	9.36	12.11	10.02	8.62	11.29	9.35	8.04
	dbA	36	37	39	33	34	36	31	32	35	29	30	33	27	28	31

700	Vel	10.30	11.44	14.46	8.08	8.98	11.35	6.65	7.40	9.35	5.66	6.29	7.94	4.92	5.46	6.90
	P	6.36	7.86	12.54	3.92	4.84	7.73	2.66	3.28	5.24	1.92	2.37	3.78	1.45	1.79	2.86
	T	19.06	15.78	13.58	16.89	13.98	12.03	15.32	12.69	10.92	14.13	11.70	10.06	13.17	10.91	9.38
	dbA	39	40	42	36	38	40	34	36	38	32	34	36	30	32	35
800	Vel	11.77	13.08	16.52	9.24	10.27	12.97	7.61	8.45	10.68	6.46	7.18	9.08	5.62	6.24	7.89
	P	8.31	10.26	16.38	5.12	6.33	10.10	3.47	4.29	6.83	2.51	3.10	4.92	1.89	2.33	3.75
	T	21.78	18.03	15.52	19.30	15.98	13.75	17.51	14.50	12.47	16.15	13.37	11.50	13.05	12.46	10.72
	dbA	42	43	45	39	41	43	37	39	41	35	37	39	33	35	38
900	Vel	13.24	14.71	18.59	10.39	11.55	14.60	8.56	9.51	10.02	7.27	8.08	10.21	6.32	7.03	8.88
	P	10.51	12.99	20.73	6.48	8.01	12.78	4.39	5.43	8.55	3.17	3.92	6.26	2.40	2.96	4.73
	T	24.51	20.29	17.46	21.27	17.98	15.47	19.70	16.31	14.03	18.16	15.03	12.94	16.95	14.02	12.06
	dbA	45	46	48	42	43	46	40	41	44	38	39	42	36	38	40
1000	Vel				11.55	12.84	16.22	9.51	10.57	13.35	8.08	8.98	11.35	7.02	7.81	9.86
	P				8.01	9.98	15.78	5.43	6.70	10.69	3.92	4.48	7.72	2.96	3.66	5.84
	T				24.13	19.98	17.19	21.89	18.12	15.59	20.18	16.71	14.37	18.82	15.58	13.40
	dbA				45	46	48	42	44	46	40	42	44	39	40	43
1200	Vel										9.69	10.77	13.61	8.43	9.37	11.83
	P										5.63	6.98	11.12	4.26	5.26	8.41
	T										24.22	20.05	17.25	22.58	18.69	16.08
	dbA										45	46	49	43	44	47

• Selection table VDDG

LxH	200x	200			250			300			350			400		
M3/H	Deflection.	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45
100	Vel	1.07	1.19	1.50	0.84	0.93	1.18	0.69	0.77	0.97	0.59	0.65	0.82	0.51	0.57	0.72
	P	0.07	0.08	0.14	0.04	0.05	0.08	0.03	0.04	0.06	0.02	0.03	0.04	0.02	0.02	0.03
	T	2.32	1.92	1.65	2.06	1.70	1.46	1.87	1.54	1.33	1.72	1.42	1.23	1.60	1.33	1.14
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
200	Vel	2.14	2.38	3.00	1.68	1.86	2.36	1.38	1.54	1.94	1.17	1.30	1.65	1.03	1.13	1.43
	P	0.27	0.34	0.54	0.17	0.21	0.33	0.11	0.14	0.23	0.08	0.10	0.16	0.06	0.08	0.12
	T	4.64	3.84	3.31	4.11	3.41	2.93	3.73	3.09	2.66	3.44	2.85	2.45	3.21	2.66	2.28
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15

300	Vel	3.21	3.56	3.50	2.52	2.81	3.53	2.07	2.30	2.91	1.76	1.96	2.47	1.53	1.70	2.15
	P	0.62	0.76	1.22	0.38	0.47	0.75	0.26	0.32	0.51	0.19	0.23	0.37	0.14	0.17	0.28
	T	6.96	5.76	4.96	6.18	5.11	4.39	5.60	4.63	3.99	5.16	4.27	3.68	4.81	3.98	3.43
	dbA	18	19	22	15	16	19	15	15	17	15	15	15	15	15	15
400	Vel	4.27	4.75	6.00	3.36	3.73	4.71	2.76	3.07	3.88	2.35	2.61	3.30	2.03	2.28	2.87
	P	1.10	1.35	2.16	0.68	0.83	1.33	0.46	0.57	0.90	0.33	0.41	0.65	0.25	0.31	0.49
	T	9.28	7.69	6.61	8.23	6.81	5.86	7.46	6.18	5.32	6.88	5.70	4.90	6.42	5.33	4.57
	dbA	24	25	27	21	22	25	18	20	23	16	17	21	15	15	19
500	Vel	5.34	5.93	7.50	4.19	4.66	5.89	3.45	3.84	4.85	2.93	3.26	4.12	2.55	2.83	3.58
	P	1.71	2.12	3.38	1.06	1.30	2.08	0.72	0.88	1.41	0.53	0.64	1.02	0.39	0.48	0.77
	T	11.60	9.61	8.27	10.28	8.51	7.32	9.33	7.72	6.65	8.60	7.12	6.13	8.02	6.64	5.71
	dbA	28	30	32	25	27	29	23	24	27	21	22	25	18	20	23
600	Vel	6.41	7.13	9.00	5.03	5.59	7.08	4.14	4.61	5.82	3.53	3.91	4.95	3.06	3.40	4.30
	P	2.48	3.05	4.86	1.52	1.88	3.00	1.03	1.28	2.03	0.74	0.92	1.47	0.56	0.69	1.11
	T	13.93	11.53	9.92	12.33	10.22	8.79	1.20	9.27	7.97	10.32	8.54	7.35	9.62	7.97	6.85
	dbA	32	33	36	29	31	33	27	28	31	24	26	29	22	24	27
700	Vel	7.48	8.31	10.50	5.87	6.53	8.25	4.83	5.37	6.79	4.11	4.57	5.57	3.58	3.98	5.02
	P	3.36	4.15	6.62	2.08	2.56	4.08	1.40	1.73	2.77	1.01	1.25	2.00	0.77	0.95	1.51
	T	16.25	13.45	11.58	14.40	11.93	10.25	3.06	10.81	9.30	12.05	9.98	8.58	11.23	9.29	8.00
	dbA	36	37	39	33	34	37	30	32	35	28	29	33	26	27	31
800	Vel	8.55	9.50	12.00	6.71	7.46	9.43	5.53	6.14	7.76	4.70	5.22	6.59	4.08	5.54	5.73
	P	4.38	5.42	8.65	2.70	3.33	5.33	1.84	2.26	3.61	1.32	1.63	2.61	1.00	1.23	1.97
	T	18.57	15.37	13.22	16.45	13.62	11.72	4.93	12.36	10.63	13.76	11.39	9.80	12.83	10.62	9.14
	dbA	39	40	42	36	37	40	33	35	38	31	32	36	29	30	34
900	Vel	9.62	10.69	13.50	7.55	8.39	10.60	6.22	6.90	8.74	5.38	5.88	7.42	4.59	5.10	6.46
	P	5.55	6.85	10.95	3.43	4.23	6.75	2.32	2.86	4.57	1.68	2.08	3.30	1.28	1.56	2.50
	T	20.89	17.29	14.88	18.51	15.32	13.18	6.79	12.70	11.96	15.48	12.833	11.03	14.43	11.95	10.28
	dbA	41	42	45	38	40	42	36	37	40	34	35	38	31	33	36
1000	Vel	10.68	11.88	15.00	8.39	9.32	11.78	6.91	7.68	9.70	5.88	6.52	8.25	5.10	5.68	7.18
	P	6.85	8.46	13.51	4.22	5.22	8.33	2.87	3.55	5.65	2.08	2.55	4.08	1.56	1.94	3.08
	T	23.21	19.21	16.53	20.57	17.05	14.65	8.66	15.45	13.29	17.20	14.25	12.25	16.05	13.28	11.43
	dbA	44	45	47	41	42	45	38	40	43	36	38	41	34	35	39
1200	Vel				10.08	11.19	14.15	8.29	9.21	11.64	7.05	7.83	9.89	6.12	6.81	8.60
	P				6.08	7.51	11.99	4.12	5.09	8.13	2.98	3.68	5.88	2.25	2.78	4.44
	T				24.68	20.43	17.58	12.39	19.54	15.95	20.64	17.09	14.70	19.25	15.94	13.71
	dbA				45	47	49	43	44	47	40	42	45	38	41	43

• Selection table VDDG

LxH	250x	200			250			300			350			400		
M3/H	Deflection.	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45
100	Vel	0.66	0.73	0.93	0.54	0.60	0.76	0.46	0.51	0.65	0.40	0.45	0.56	0.35	0.39	0.50
	P	0.03	0.03	0.05	0.02	0.02	0.03	0.01	0.02	0.03	0.01	0.01	0.02	0.01	0.01	0.01
	T	1.82	1.51	1.30	1.65	1.38	1.18	1.52	1.26	1.09	1.42	1.18	1.01	1.35	1.11	0.95
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
200	Vel	1.32	1.46	1.85	1.08	1.21	1.52	0.92	1.02	1.92	0.80	0.89	1.13	0.71	0.79	1.00
	P	0.10	0.13	0.21	0.07	0.09	0.14	0.05	0.06	0.10	0.04	0.05	0.08	0.03	0.04	0.06
	T	3.64	3.02	2.60	3.31	3.75	2.36	3.05	2.52	2.18	2.84	2.35	2.03	2.68	2.21	1.90
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
300	Vel	1.98	2.20	2.78	1.63	1.81	2.28	1.38	1.55	1.95	1.20	1.33	1.69	1.06	1.18	1.49
	P	0.23	0.29	0.46	0.16	0.20	0.31	0.11	0.14	0.23	0.09	0.11	0.17	0.07	0.08	0.13
	T	5.47	4.53	3.89	4.96	4.11	3.53	4.58	3.79	3.26	4.26	3.53	3.05	4.01	3.32	2.86
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
400	Vel	2.64	2.93	3.70	2.17	2.41	3.05	1.85	2.05	2.59	1.60	1.78	2.25	1.43	1.58	1.99
	P	0.42	0.51	0.82	0.28	0.35	0.56	0.20	0.25	0.40	0.15	0.19	0.30	0.13	0.15	0.24
	T	7.29	6.05	5.19	6.61	5.48	4.72	6.10	5.05	4.35	5.68	4.71	4.05	5.35	4.43	3.82
	dbA	18	19	22	15	16	20	15	15	17	15	15	15	15	15	15
500	Vel	3.29	3.66	4.63	2.71	3.01	3.81	2.30	2.56	3.25	2.00	2.23	2.81	1.77	1.98	2.48
	P	0.65	0.80	1.28	0.44	0.55	0.87	0.32	0.39	0.63	0.25	0.30	0.47	0.19	0.23	0.38
	T	9.11	7.55	6.49	8.28	6.85	5.89	7.63	6.31	5.42	7.11	5.88	5.06	6.68	5.53	4.76
	dbA	22	24	27	19	21	24	17	18	22	15	16	20	15	15	18
600	Vel	3.95	4.39	5.55	3.35	3.62	4.57	2.77	3.07	3.88	2.40	2.67	3.38	2.13	2.36	2.99
	P	0.95	1.16	1.85	0.64	0.78	1.25	0.46	0.57	0.90	0.35	0.43	0.68	0.27	0.34	0.53
	T	10.93	9.05	7.79	9.92	8.21	7.07	9.15	7.57	6.51	8.53	7.06	6.08	8.02	6.65	5.71
	dbA	26	28	31	23	25	28	21	22	26	18	20	24	16	18	22
700	Vel	4.61	5.13	6.48	3.80	4.22	5.33	3.23	3.59	4.53	2.81	3.12	3.95	2.48	2.76	3.48
	P	1.28	1.58	2.52	0.86	1.07	1.71	0.62	0.77	1.23	0.47	0.58	0.93	0.38	0.46	0.73
	T	12.76	10.56	9.09	11.58	9.58	8.25	10.67	8.83	7.60	9.95	8.25	7.09	9.36	7.75	6.66
	dbA	30	31	34	37	28	32	24	26	29	21	23	27	19	21	25
800	Vel	5.27	5.86	7.40	4.34	4.82	6.09	3.69	4.10	5.18	3.21	3.56	4.50	2.83	3.15	3.98
	P	1.67	2.06	3.29	1.13	1.40	2.23	0.82	1.01	1.61	0.62	0.76	1.22	0.48	0.60	0.95
	T	14.58	12.07	10.38	13.23	10.95	9.42	12.19	1.10	8.69	11.38	9.41	8.10	10.69	8.85	7.62
	dbA	33	34	37	30	31	35	27	29	32	24	26	30	22	24	28

900	Vel	5.93	6.59	8.33	4.88	5.43	6.85	4.15	4.61	5.82	3.61	4.01	5.06	3.19	3.54	4.48
	P	2.11	2.61	4.16	1.43	1.77	2.82	1.03	1.27	2.05	0.78	0.96	1.55	0.61	0.75	1.20
	T	16.40	13.58	11.68	14.88	12.32	10.60	13.72	11.36	9.77	12.79	10.59	9.11	12.03	9.96	8.57
	dbA	35	37	40	32	34	37	30	31	35	27	29	33	25	27	31
1000	Vel	6.59	7.32	9.25	5.42	6.03	7.62	4.61	5.12	6.48	4.01	4.45	5.63	3.55	3.95	4.98
	P	2.60	3.22	5.13	1.76	2.18	3.48	1.28	1.58	2.51	0.96	1.19	1.90	0.75	0.93	1.49
	T	18.22	15.09	12.98	16.54	13.69	11.78	15.24	12.62	10.86	14.21	11.77	10.12	13.37	11.07	9.52
	dbA	38	39	42	35	36	40	32	34	37	30	31	35	27	29	33
1200	Vel	7.91	8.79	11.10	6.51	7.23	9.14	5.53	6.15	7.77	4.81	5.34	6.75	4.25	4.73	5.98
	P	3.75	4.63	7.40	2.55	3.14	5.01	1.83	2.27	3.62	1.39	1.71	2.74	1.08	1.34	2.15
	T	21.87	18.11	15.58	19.84	16.43	14.13	18.29	15.14	13.03	17.05	14.12	12.15	16.04	13.28	11.42
	dbA	42	43	46	39	41	44	36	38	42	34	36	40	32	34	38

• Selection table VDDG

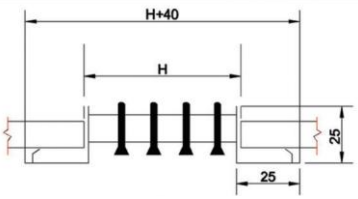
LxH	300x	200			250			300			350			400		
M3/H	Deflection.	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45	0	22.5	45
100	Vel	0.45	0.50	0.63	0.38	0.42	0.53	0.33	0.37	0.46	0.29	0.32	0.41	0.26	0.29	0.37
	P	0.01	0.01	0.02	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	T	1.50	1.24	1.07	1.38	1.14	0.99	1.29	1.07	0.92	1.21	1.00	0.86	1.15	0.95	0.82
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
200	Vel	0.89	0.99	1.25	0.76	0.84	1.07	0.66	0.73	0.93	0.58	0.65	0.82	0.52	0.58	0.73
	P	0.05	0.06	0.09	0.03	0.04	0.07	0.03	0.03	0.05	0.02	0.03	0.04	0.02	0.02	0.03
	T	3.00	2.48	2.14	2.77	2.29	1.97	2.58	2.14	1.84	2.43	2.01	1.73	2.30	1.90	1.64
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
300	Vel	1.34	1.49	1.88	1.14	1.26	1.60	0.99	1.10	1.39	0.88	0.97	1.23	0.78	0.87	1.10
	P	0.11	0.13	0.21	0.08	0.10	0.15	0.06	0.07	0.13	0.05	0.06	0.09	0.04	0.05	0.07
	T	4.50	3.73	3.21	4.15	3.43	2.96	3.87	3.20	2.76	3.64	3.01	2.59	3.44	2.85	2.45
	dbA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
400	Vel	1.79	1.98	2.51	1.52	1.69	2.13	1.32	1.47	1.85	1.17	1.30	1.64	1.05	1.16	1.47
	P	0.19	0.24	0.38	0.14	0.17	0.27	0.10	0.13	0.21	0.08	0.10	0.16	0.07	0.08	0.13
	T	6.00	4.97	4.27	5.53	4.58	3.94	5.16	4.27	3.67	4.85	4.02	3.46	4.59	3.80	3.27
	dbA	15	15	17	15	15	15	15	15	15	15	15	15	15	15	15

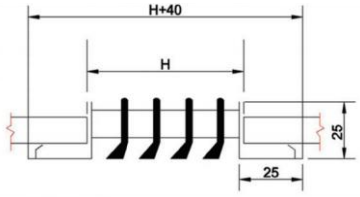
500	Vel	2.23	2.48	3.13	1.90	2.11	2.66	1.65	1.83	2.32	1.46	1.62	2.05	1.31	1.45	1.84
	P	0.30	0.37	0.59	0.22	0.27	0.43	0.16	0.20	0.32	0.13	0.16	0.25	0.10	0.13	0.20
	T	7.50	6.21	5.34	6.91	5.72	4.93	6.45	5.34	4.59	6.06	5.02	4.32	5.74	4.75	4.09
	dbA	16	18	22	15	15	19	15	15	17	15	15	15	15	15	15
600	Vel	2.68	2.98	3.36	2.28	2.53	3.20	1.98	2.20	2.78	1.75	1.95	2.46	1.57	1.74	2.20
	P	0.43	0.53	0.85	0.31	0.38	0.61	0.23	0.29	0.46	0.18	0.23	0.36	0.15	0.18	0.29
	T	9.00	7.45	6.41	8.30	6.87	5.91	7.74	6.41	5.51	7.28	6.02	5.18	6.89	5.70	4.91
	dbA	20	22	25	17	19	23	15	16	21	15	15	18	15	15	16
700	Vel	3.31	3.47	4.39	2.66	2.95	3.73	2.31	2.57	3.24	2.04	2.27	2.87	1.83	2.03	2.57
	P	0.59	0.72	1.16	0.42	0.52	0.83	0.32	0.40	0.63	0.25	0.31	0.49	0.20	0.25	0.40
	T	10.50	8.69	7.48	9.68	8.01	6.90	9.03	7.47	6.43	8.49	7.03	6.05	8.04	6.65	5.74
	dbA	23	25	29	20	22	26	18	20	24	15	17	22	15	15	20
800	Vel	3.57	3.97	5.02	3.03	3.37	4.06	2.63	2.93	3.71	2.33	2.59	3.28	2.09	2.33	2.94
	P	0.77	0.95	1.51	0.55	0.68	1.09	0.42	0.52	0.82	0.33	0.40	0.64	0.26	0.32	0.52
	T	12.00	9.94	8.55	11.06	9.16	7.88	10.32	8.54	7.35	9.70	8.03	6.91	9.19	7.60	6.54
	dbA	26	28	32	23	25	29	21	23	27	18	20	25	16	18	23
900	Vel	4.02	4.47	5.64	3.41	3.79	4.79	2.97	3.30	4.17	2.63	2.92	3.69	2.35	2.62	3.31
	P	0.97	1.20	1.91	0.70	0.86	1.38	0.53	0.65	1.04	0.41	0.51	0.82	0.33	0.41	0.66
	T	13.50	11.18	9.62	12.45	10.30	8.87	11.61	9.61	8.27	10.91	9.04	7.77	10.33	8.56	7.36
	dbA	29	31	34	26	28	32	23	25	30	21	23	28	18	21	26
1000	Vel	4.46	4.96	6.27	3.79	4.22	5.33	3.30	3.67	4.63	2.92	3.24	4.10	2.61	2.91	3.67
	P	1.20	1.48	2.36	0.86	1.07	1.70	0.65	0.81	1.29	0.51	0.63	1.01	0.41	0.51	0.81
	T	15.00	12.42	10.69	13.83	11.45	9.85	12.89	10.68	9.18	12.10	10.04	8.64	11.48	9.51	8.18
	dbA	32	33	37	29	31	34	26	28	32	23	26	30	21	23	28
1200	Vel	5.36	5.95	7.52	4.55	5.06	6.39	3.96	4.40	5.56	3.50	3.89	4.92	3.14	3.49	4.41
	P	1.72	2.13	3.40	1.24	1.54	2.45	0.94	1.16	1.85	0.74	0.91	1.45	0.59	0.73	1.17
	T	18.00	14.90	12.82	16.60	13.74	11.82	15.47	12.81	11.02	14.55	12.05	10.37	13.78	11.41	9.81
	dbA	36	38	41	33	35	39	30	32	36	28	30	34	25	28	32

VLG

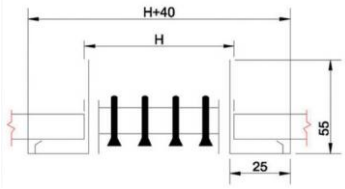
Linear Bar Grille

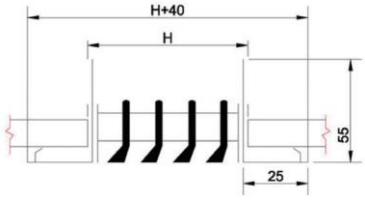
VLG-A



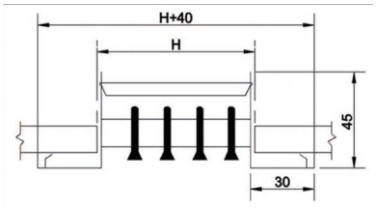


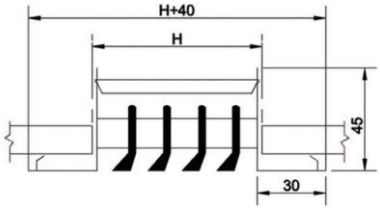
VLG-B





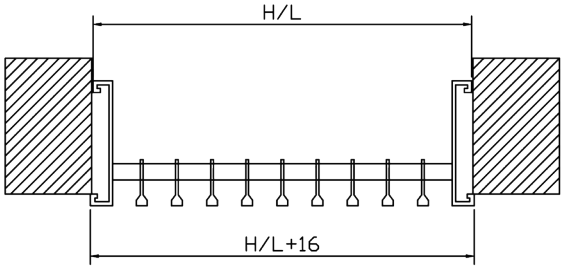
VLG-C



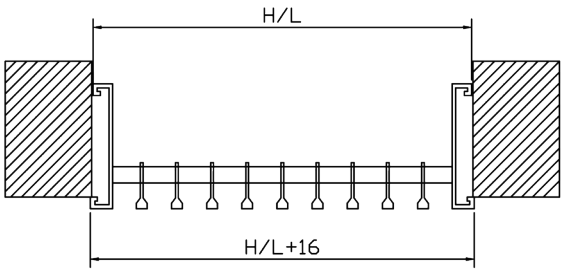


* 2 layers. The 1st layer is with horizontal bars, and the 2nd layer is with vertical removable blades.

VLG-D1



VLG-D2



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* They can be used as supply or return grilles.
* They can be with different width of frames, narrow or wide, to be used at different applications.
* They get different type of blades: 0°, 15°, 30°
* Mounting: Screw system is standard, concealed clip fixing as optional.
* Accessories: opposite blade damper.
* Finishing: White powder coating Ral9016, Ral9010, or customized color. Anodized.

• Spec. Deta VLG

The data of this table are for 0°.
Regarding 15°, you have to add 10% to the Throw.

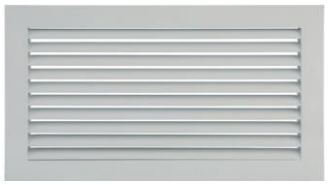
Size(mm)	Velocity(m/s)	2	3	4	5	6	7	8
300x100	M3/H	121	180	241	301	360	422	481
	dbA					30	34	38
	Throw	1.9-2.8	3.2-4.3	4.1-5.6	4.9-7.2	4.8-8.3	6.8-9.9	8.0-11.1
600x100	M3/H	226	338	452	564	677	791	903
	dbA				28	33	37	40
	Throw	2.5-3.5	3.5-4.9	4.7-6.8	5.9-8.3	7.1-10.2	8.0-11.7	9.5-13.5
900x100	M3/H	348	519	692	865	1039	1210	1385
	dbA				30	35	39	42
	Throw	2.8-4.1	4.4-5.9	5.6-7.7	6.8-9.9	7.9-11.7	9.5-13.6	10.8-15.5
1200x100	M3/H	466	700	933	1166	1399	1632	1867
	dbA				31	36	40	43
	Throw	3.2-5.3	4.7-6.5	5.9-8.3	7.4-10.5	8.9-12.6	10.2-14.7	12.0-16.9
1500x100	M3/H	587	881	1173	1467	1761	2055	2348
	dbA				32	37	41	44
	Throw	3.2-4.7	4.7-6.8	6.5-9.2	8.0-11.4	9.5-13.5	11.1-15.9	12.6-18.1
1800x100	M3/H	707	1061	1414	1768	2122	2475	2829
	dbA			27	33	38	42	45
	Throw	4.0-5.1	5.3-7.4	7.1-9.9	8.6-12.3	10.5-14.4	12.0-16.9	13.5-19.3

Size(mm)	Velocity(m/s)	2	3	4	5	6	7	8
300x125	M3/H	141	213	282	354	425	495	566
	dbA					30	34	38
	Throw	2.2-3.2	3.2-4.4	4.1-5.9	5.3-7.4	6.5-8.9	7.0-7.2	8.0-11.7
600x125	M3/H	266	399	531	664	797	929	1062
	dbA				28	3	37	40
	Throw	2.5-3.8	3.8-5.3	5.0-7.1	6.5-8.9	7.7-10.8	8.6-12.3	10.2-14.2
900x125	M3/H	406	610	812	1018	1221	1423	1625
	dbA				30	35	39	42
	Throw	2.8-4.1	4.4-6.2	5.6-7.9	7.1-10.1	8.2-11.9	10.1-14.0	11.4-16.3
1200x125	M3/H	547	823	1098	1370	1644	1918	2193
	dbA				31	36	40	43
	Throw	3.1-4.3	4.6-6.7	6.1-8.8	7.9-11.1	9.5-13.4	10.8-15.5	12.2-17.8
1500x125	M3/H	690	1034	1379	1725	2069	2415	2758
	dbA				32	37	41	44
	Throw	3.4-4.6	4.9-7.0	7.0-9.4	8.3-11.9	10.2-14.1	11.7-16.6	13.5-18.9
1800x125	M3/H	829	1244	1659	2075	2488	2965	3318
	dbA			27	33	38	42	45
	Throw	3.7-5.2	5.5-7.6	7.0-10.2	8.8-12.5	10.7-15.2	12.2-17.8	14.3-20.1

Size(mm)	Velocity(m/s)	2	3	4	5	6	7	8
300x150	M3/H	226	338	452	563	677	791	903
	dbA				27	32	36	40
	Throw	2.4-3.4	3.5-4.9	4.6-6.7	5.8-8.2	7.0-10.1	7.9-11.6	9.2-13.4
600x150	M3/H	423	636	847	1059	1272	1482	1695
	dbA				30	35	39	42
	Throw	2.7-4.0	4.3-6.1	5.8-8.2	7.3-10.4	8.5-12.2	10.4-14.3	11.6-16.5
900x150	M3/H	649	974	1299	1624	1948	2273	2598
	dbA				32	37	41	44
	Throw	3.4-4.6	4.6-6.7	6.4-8.8	7.9-11.0	9.4-13.4	11.0-15.5	12.2-17.7
1200x150	M3/H	876	1312	1751	2188	2625	3063	3502
	dbA			27	33	38	42	45
	Throw	3.4-4.9	5.5-7.6	7.6-10.1	8.8-12.5	10.4-14.9	12.2-17.7	14.3-20.1
1500x150	M3/H	1102	1651	2202	2752	3303	3854	4403
	dbA			28	34	39	43	46
	Throw	4.0-5.5	5.8-8.2	7.9-11.0	9.8-13.8	11.6-16.5	13.1-19.2	15.5-22.3
1800x125	M3/H	1326	1989	2652	3315	3978	4641	5304
	dbA			29	35	40	44	47
	Throw	4.0-5.8	6.4-8.8	7.9-11.6	10.7-14.6	11.9-17.4	14.6-20.4	16.5-23.2

VRG
Return Grille

VRG-A



VRG-B

VRG-C

VRG-D

VRG-E

VRG-F

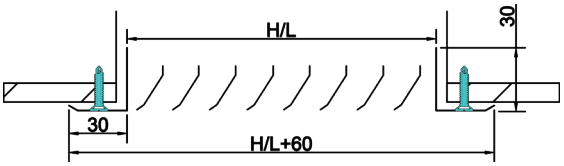
* They are used as return grille.

* Blades are fixed at 45°

* Accessories: Damper, Plenum box.

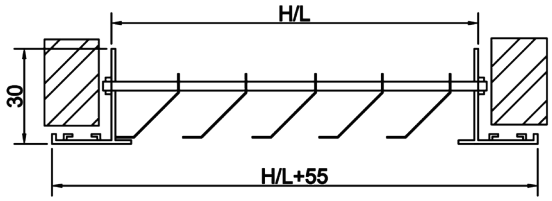
*Mounting: Screw mounting is standard, concealed clips mounting as additional

* Finishing: White powder coating Ral9016, Ral9010, or customized color. Anodized.

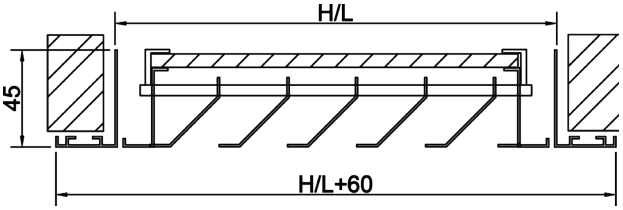


VRG-A

VRG-B



VRG-C



VRG-D

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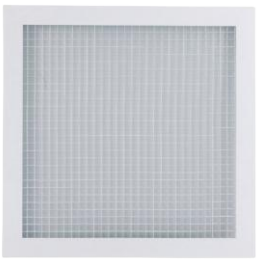
• Selection Table VRG

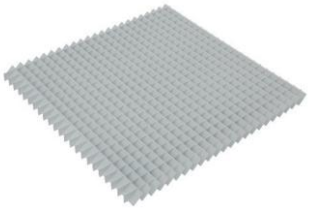
Velocity(m/s)	1	1.5	2	2.5	3	3.5	4	5	6	7
Static Pressure	0.1	0.2	0.4	0.6	0.8	1.1	1.5	2.2	3.3	4.6
Size(mm)	Air Flow(M3/H)									
200x100	51	77	102	138	153	179	205	255	306	358
250x100	68	102	136	170	204	238	272	340	408	476
250x150	102	153	204	255	306	357	408	510	612	714
250x200	143	214	286	357	428	500	571	714	857	1000
300x100	88	133	177	221	265	309	354	442	530	619
300x150	126	189	252	315	377	440	503	629	755	881
300x200	177	265	354	443	530	619	707	884	1061	1238
300x300	279	418	558	698	836	976	1115	1395	1673	1952
350x150	146	219	292	366	429	512	585	731	877	1023
350x200	207	311	415	519	622	726	830	1037	1244	1452
400x200	241	362	483	604	724	845	966	1207	1448	1690
400x250	313	469	626	782	938	1095	1251	1565	1877	2190
400x300	381	571	762	952	1142	1333	1523	1904	2285	2666
400x400	524	785	1047	1309	1571	1833	2093	2618	3143	3665
450x200	272	408	544	680	816	952	1088	1360	1632	1904
450x300	432	648	864	1080	1295	1511	1727	2159	2591	3023
450x450	673	1010	1346	1683	2020	2356	2693	3366	4039	4712
500x100	221	332	442	553	663	774	884	1105	1326	1547
500x200	306	459	612	765	918	1071	1224	1530	1836	2142
500x300	483	724	699	1207	1448	1690	1931	2414	2897	3380
600x150	265	398	530	663	796	928	1061	1326	1591	1856
600x300	588	882	1176	1471	1765	2059	2353	2941	3529	4117
600x450	911	1367	1822	2278	2734	3189	3645	4556	5467	6378
600x600	1238	1856	2475	3094	3713	4332	4950	6188	7426	8663
750x200	469	704	938	1173	1408	1642	1877	2346	2815	3284
750x300	728	1091	1455	1819	2183	2547	2910	3638	4366	5093
750x450	1149	1724	2298	2873	3448	4022	4597	5746	6895	8044
750x600	1561	2341	3121	3902	4682	5463	6242	7803	9365	10925
900x300	898	1346	1795	2244	2693	3142	3590	4488	5386	6283
900x450	1387	2081	2774	3468	4162	4855	5549	6936	8323	9710
900x600	1887	2831	3775	4718	5661	6605	7548	9435	11322	13209
900x750	2186	3279	4372	5466	6559	7652	8745	10931	13117	15303
900x900	2485	3728	4971	6214	7456	8699	9942	12427	14912	17400
1200x600	2530	3794	5059	6324	7589	8854	10118	12648	15178	17707
1200x750	2829	4243	5658	7072	8486	9901	11315	14144	16973	19802
1200x900	3584	5375	7167	8959	10751	12543	14334	17918	21502	25085
1200x1200	4743	7115	9486	11568	14229	16601	18972	23715	28458	33201

VEG
Eggcrate Grille



VEG-A

VEG-B

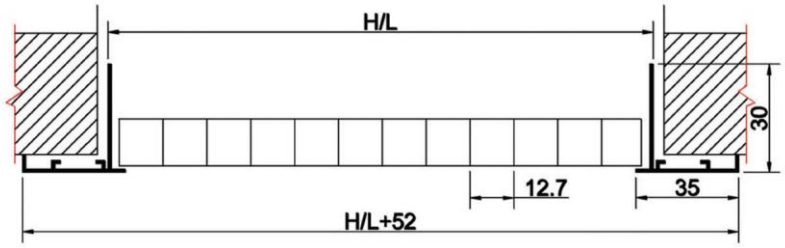


VEG-C

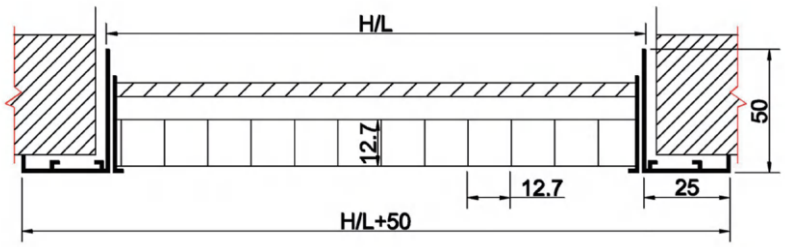
VEG-D

VEG-R

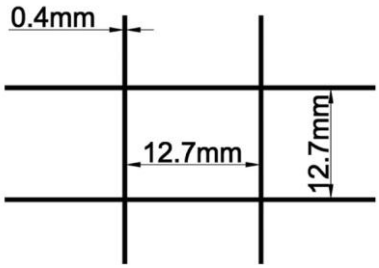
* They are used as return grille
* They egg crate size is 12.7x12.7mm, vertical or 45° fixed.
* The A type is a fixed grille, and the B type is a removable hinged grille with filter.
* Accessories: Damper, Plenum box.
* Mounting: screw mounting is standard, and concealed clip fixing is optional.
* Finishing: White powder coating Ral9016, Ral9010, or customized color. Anodized.



VEG-A



VEG-B



VEG-C

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• Selection Table

Standard Size (mm)	Effective Area(m2)	Air Volume (m3/h)
200x200	0.031	300
250x250	0.049	45-
300x300	0.076	735
350x350	0.103	900
400x400	0.134	1300
450x450	0.177	1750
500x500	0.212	2050
600x600	0.326	3000
700x700	0.449	4000
800x800	0.590	6000
900x900	0.751	7000

• Spec. Data:

L x H	250x	250	300	350	400	450	500	600	700	800
M3/H										
100	Vel	0.63	0.51	0.43	0.37	0.33	0.29	0.24	0.21	0.18
	P	0.02	0.01	0.01	0.01	0.01	0	0	0	0
	dbA	15	15	15	15	15	15	15	15	15
200	Vel	1.26	1.02	0.86	0.75	0.66	0.59	0.48	0.4`	0.36
	P	0.08	0.05	0.04	0.03	0.02	0.02	0.01	0.01	0.01
	dbA	15	15	15	15	15	15	15	15	15
300	Vel	1.89	1.54	1.29	1.12	0.99	0.88	0.73	0.62	0.54
	P	0.18	0.12	0.09	0.06	0.05	0.04	0.03	0.02	0.01
	dbA	19	15	15	15	15	15	15	15	15
400	Vel	2.51	2.05	1.73	1.49	1.31	1.17	0.97	0.82	0.72
	P	0.32	0.21	0.15	0.11	0.09	0.07	0.05	0.03	0.03
	dbA	26	22	18	15	15	15	15	15	15
500	Vel	3.14	2.56	2.16	1.87	1.64	1.47	1.21	1.03	0.90
	P	0.50	0.33	0.24	0.18	0.14	0.11	0.07	0.05	0.04
	dbA	31	27	23	15	17	15	15	15	15
600	Vel	3.77	3.07	2.59	2.24	1.97	1.76	1.45	1.23	1.07
	P	0.73	0.48	0.34	0.26	0.20	0.16	0.11	0.08	0.06
	dbA	35	31	27	24	21	18	15	15	15
700	Vel	4.40	3.58	3.02	2.61	2.30	2.05	1.69	1.44	1.25
	P	0.99	0.65	0.47	0.35	0.27	0.22	0.15	0.11	0.08
	dbA	39	35	31	28	25	22	16	15	15
800	Vel	5.03	4.09	3.45	2.98	2.63	2.35	1.94	1.65	1.43
	P	1.29	0.85	0.61	0.45	0.35	0.28	0.19	0.14	0.10
	dbA	42	38	34	31	28	25	20	15	15
900	Vel	5.66	4.61	3.88	3.36	2.96	2.64	2.18	1.85	1.61
	P	1.63	1.08	0.77	0.57	0.45	0.36	0.24	0.17	0.13
	dbA	45	41	37	34	31	28	22	17	15
1000	Vel	6.29	5.12	4.32	3.73	3.29	2.94	2.42	2.06	1.79
	P	2.20	1.34	0.95	0.71	0.55	0.44	0.30	0.22	0.16
	dbA	48	44	40	37	34	31	25	20	16

1100	Vel		5.63	4.75	4.10	3.61	3.23	2.66	2.26	1.97
	P		16.2	1.15	0.86	0.67	0.53	0.36	0.26	0.20
	dbA		46	43	39	36	33	28	23	18
1200	Vel		6.14	5.18	4.48	3.94	3.52	2.90	2.47	2.15
	P		1.92	1.37	1.02	0.79	0.63	0.43	0.31	0.24
	dbA		49	45	42	38	35	30	25	20

• Spec. Data:

L x H	300x	250	300	350	400	450	500	600	700	800
M3/H										
100	Vel	0.42	0.35	0.30	0.27	0.24	0.20	0.17	0.15	0.13
	P	0.01	0.01	0	0	0	0	0	0	0
	dbA	15	15	15	15	15	15	15	15	15
200	Vel	0.83	0.70	0.61	0.53	0.48	0.39	0.34	0.29	0.26
	P	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0
	dbA	15	15	15	15	15	15	15	15	15
300	Vel	1.25	1.05	0.91	0.80	0.72	0.59	0.50	0.44	0.39
	P	0.08	0.06	0.04	0.03	0.02	0.01	0.01	0.01	0.01
	dbA	15	15	15	15	15	15	15	15	15
400	Vel	1.67	1.41	1.21	1.07	0.96	0.79	0.67	0.58	0.52
	P	0.14	0.10	0.08	0.06	0.05	0.03	0.02	0.02	0.01
	dbA	17	15	15	15	15	15	15	15	15
500	Vel	2.08	1.76	1.52	1.34	1.19	0.98	0.84	0.73	0.64
	P	0.22	0.16	0.12	0.09	0.07	0.05	0.04	0.03	0.02
	dbA	22	18	15	15	15	15	15	15	15
600	Vel	2.50	2.11	1.82	1.60	1.43	1.18	1.01	0.87	0.77
	P	0.32	0.23	0.17	0.13	0.10	0.07	0.05	0.04	0.03
	dbA	27	23	19	15	15	15	15	15	15
700	Vel	2.92	2.46	2.13	1.87	1.67	1.38	1.17	1.03	0.90
	P	0.43	0.31	0.23	0.18	0.14	0.10	0.07	0.05	0.04
	dbA	30	26	23	19	16	15	15	15	15
800	Vel	3.33	2.81	2.43	2.14	1.91	1.58	1.34	1.17	1.03
	P	0.57	0.40	0.30	0.23	0.19	0.13	0.09	0.07	0.05
	dbA	34	30	26	22	19	15	15	15	15
900	Vel	3.75	3.16	2.73	2.41	2.15	1.77	1.51	1.31	1.16
	P	0.72	0.51	0.38	0.30	0.24	0.16	0.12	0.09	0.07
	dbA	37	33	29	25	22	16	15	15	15
1000	Vel	4.17	3.51	3.04	2.67	2.39	1.97	1.68	1.46	1.29
	P	0.89	0.63	0.47	0.36	0.29	0.20	0.14	0.11	0.08
	dbA	39	35	32	28	25	19	15	15	15
1100	Vel	4.58	3.86	3.35	2.95	2.63	2.17	1.84	1.60	1.42
	P	1.07	0.76	0.57	0.44	0.35	0.24	0.17	0.13	0.10
	dbA	42	38	34	31	27	21	16	15	15
1200	Vel	5.00	4.22	3.64	3.21	2.97	2.36	2.01	1.75	1.55
	P	1.50	1.06	0.80	0.62	0.49	0.33	0.24	0.18	0.14
	dbA	46	42	39	35	32	26	20	15	15

VWL
Weather Louver

VWL-A

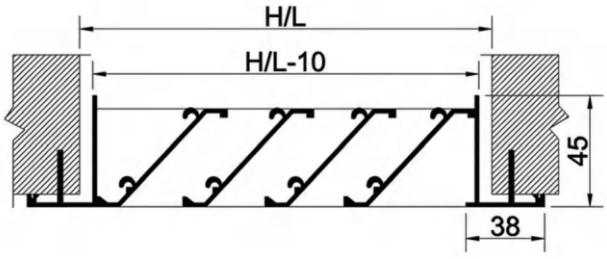
VWL-R

VWL-B

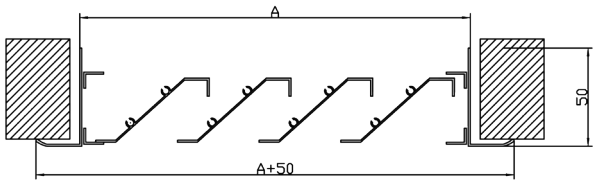
VWL-C

VWL-D

* They are used as fresh air intake louver usually mounted on the outside wall.
* Blades are rainproof designed 45° fixed to prevent rain goes into the inside room.
* Accessories for VWL–A: Damper, Plenum box.
* Mounting: screw mounting is standard, and concealed clip fixing is optional.
* Finishing: White powder coating Ral9016, Ral9010, or customized color. Anodized. SS304



VWL-A



VWL-R

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• Selection Tables

VWL–A

H \ L	Air Flow M3/H (V=1m/s)											
	200	250	300	350	400	450	500	600	700	800	900	1000
100	37	48	58	68	78	88	98	118	138	158	178	198
150	58	74	90	106	122	138	154	185	216	247	278	309
200	80	101	123	145	167	189	211	253	295	337	379	421
250	101	129	156	184	212	240	268	321	374	427	480	533
300	122	156	189	223	257	291	325	389	453	517	581	645
350	144	183	222	262	302	342	382	457	532	607	682	757
400	165	210	255	301	347	393	439	526	611	697	783	869
500	208	265	322	379	437	495	553	662	769	877	985	1093
600	251	319	388	457	527	597	667	798	927	1057	1187	1317

• Velocity / Pressure Drop (intake)

Velocity	1	2	3	4	5	6	8
P	9.31	1.23	2.76	4.90	7.65	11.0	19.58

VWL–R

Standard size (mm)	Airflow (m3/h) (V=1M/S)
150	40
200	83
250	131
300	191
350	265
400	349

VWL–B, VWL–C

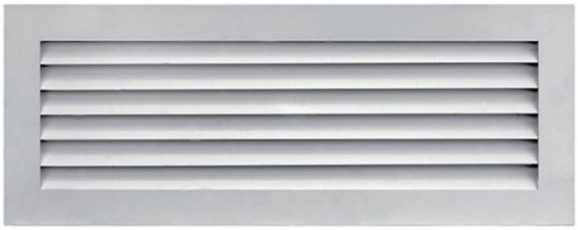
Standard size (mm)	Airflow (m3/h) (V=1M/S)
75	22
100	28
150	45
200	90
250	135
300	199

• Selection Table

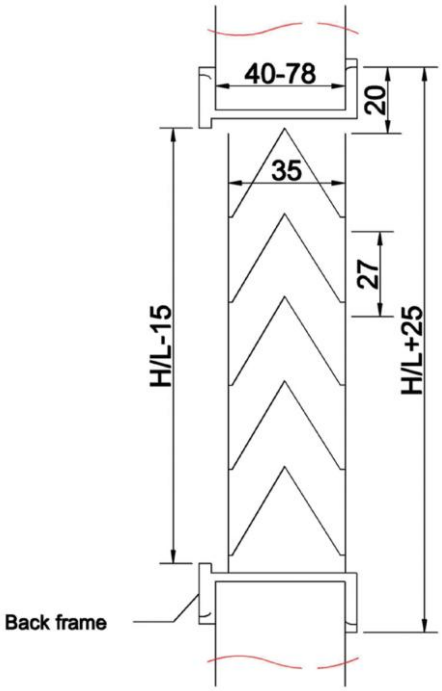
VWL–D

Model	Size(mm)			Air Flow (v=1m/s) (m3/h)
	A	B	C	
100x100	100	70	85	29
150x150	150	120	133	51
200x200	200	170	93	93
250x250	250	220	236	151
300x300	300	270	284	205

VDG
Door Grille



VDG-A



* They are used as transfer grille on doors or walls for natural air ventilation.
* Mounting: screw mounting is standard, and concealed clip fixing is optional.
* Finishing: White powder coating Ral9016, Ral9010, or customized color. Anodized.

Standard Size H/L(mm)	Effective Area(m2)	Air Volume (m3/h)
300x150	0.029	139
500x150	0.050	244
500x250	0.088	429
750x250	0.131	670
750x350	0.183	950
900x300	0.203	1050
900x500	0.338	1750
1000x250	0.188	1000
1000x350	0.263	1360
1000x500	0.400	2070
Assumed velocity is 2.5m/s		

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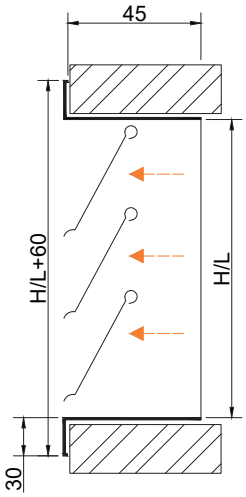
VGL
Gravity Louver

VGL-A



* They are used for air extraction and automatic closing of duct when the fan is switched off.
* They consist of a frame and movable plates mounted horizontally one above the other.
* They are installed only vertically with blades downwards.
* Finishing: White powder coating Ral9016, Ral9010, or customized color. Anodized color.

• Selection table

1. Effective Area (m2)

H (mm)	L (mm)									
	150	200	259	300	350	400	450	500	550	600
150	0.018	0.024	0.030	0.037	0.043	0.049	0.063	0.073	0.085	0.098
200	0.024	0.032	0.041	0.049	0.058	0.067	0.084	0.098	0.115	0.132
250	0.030	0.041	0.051	0.062	0.073	0.084	0.105	0.124	0.145	0.167
300	0.037	0.050	0.063	0.077	0.090	0.103	0.130	0.152	0.179	0.205
350	0.043	0.058	0.074	0.089	0.105	0.121	0.152	0.178	0.209	0.240
400	0.049	0.067	0.085	0.102	0.120	0.138	0.173	0.203	0.239	0.274
450	0.055	0.075	0.095	0.115	0.135	0.155	0.195	0.229	0.269	0.309
500	0.062	0.085	0.107	0.130	0.152	0.175	0.219	0.257	0.302	0.347
550	0.068	0.093	0.118	0.142	0.167	0.192	0.241	0.283	0.332	0.382
600	0.074	0.101	0.128	0.155	0.182	0.209	0.263	0.308	0.362	0.416

2. Air Volume (m3/h) with 3m/s velocity

H (mm)	L (mm)									
	150	200	259	300	350	400	450	500	550	600
150	194	259	324	400	464	529	670	788	918	1058
200	259	346	443	529	626	724	907	1058	1242	1426
250	324	443	551	670	788	907	1134	1339	1566	1804
300	400	540	680	832	972	1112	1404	1642	1933	2214
350	464	626	799	961	1134	1307	1642	1922	2257	2592
400	529	724	918	1102	1296	1490	1868	2192	2581	2959
450	594	810	1026	1242	1458	1674	2106	2473	2905	3337
500	670	918	1156	1404	1642	1890	2365	2776	3262	3748
550	734	1004	1274	1534	1804	2074	2603	3056	3586	4126
600	799	1091	1382	1674	1966	2257	2840	3326	3910	4493

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VDV
Air Disc. Valves


VDV-E


VDV-S


VDV-A1


VDV-A2


VDV-A3


VDV-A4


VDV-A5


VDV-A6


VDV-A7

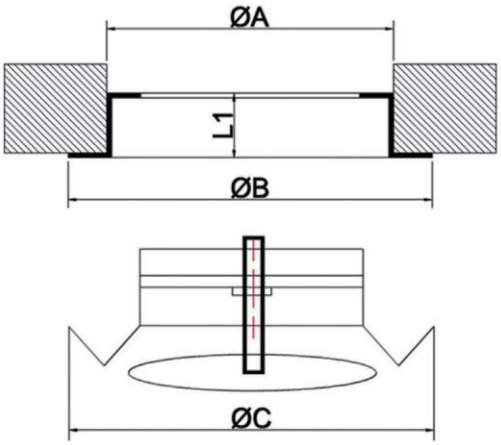

VDV-A8

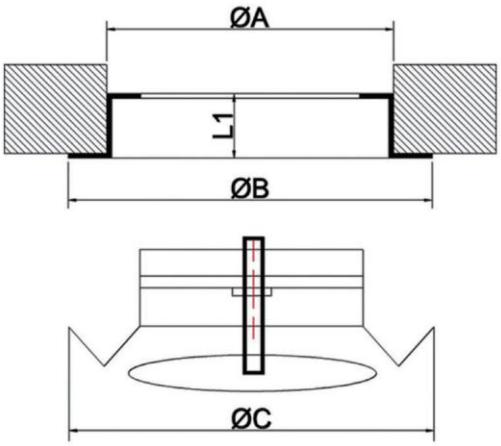
• VDV-E

Metal Disc. Valve

VDV-E
Exhaust Disc Valve

VDV-S
Supply Disc Valve





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* They are used mainly in bath rooms for exhaust or supply air.
* They are suitable for both ventilation and air conditioning.
* They get a low noise level even at relatively high velocities.
* They are made of galvanized steel.
* Mounting: by screw.
* Finishing: White powder coating Ral9016, Ral9010, or customized color.

• Size Table

VDV–E

Size	A	C	E
100	98	75	138
125	123	100	164
150	148	120	202
160	158	130	211
200	198	158	248

VDV–S

Size	A	C	E
100	98	75	138
125	123	100	164
150	148	120	202
160	158	130	211
200	198	158	248

• Spec. Data VDV-E

	Nominal Size (mm)					Air Flow, M3/H								
Opening Distance (mm)	80	100	125	150/160	200	M3/H	20	40	60	80	100	150	200	300
	-9					Pa	90							
						NR	-							
	-6	-9				Pa	45	170						
						NR	-	20						
	-3	-6	-12			Pa	20	80	200	300				
						NR	-	12	25	28				
	0	-3			-20	Pa	10	50	120	200				
						NR	-	-	17	26				
	6		-6			Pa		30	70	120	200			
						NR		-	12	20	28			
	9	6				Pa		20	40	80	130			
						NR		-	-	15	22			
			0		-15	Pa		15	30	60	80	200		
						NR		-	-	11	18	30		
		12	6			Pa		10	20	40	60	150		
						NR		-	-	-	13	27		
				0		Pa			15	25	40	90	170	

Opening Distance (mm)						NR			-	-	9	21	30	
			12	6		Pa				15	25	60	100	220
						NR				-	-	15	25	31
				12	0	Pa					15	30	60	150
						NR					-	10	18	30

• Spec. Data VDV-S

	Nominal Size (mm)					Air Flow, M3/H								
Opening Distance (mm)	80	100	125	150/160	200	M3/H	20	40	60	80	100	150	200	300
	3					Pa	90	200						
						NR	30	40						
		0				Pa	50	120	200					
						NR	23	35	42					
	6		-3	-6	-6	Pa	30	75	130	200				
						NR	17	30	37	43				
		3				Pa	20	45	80	130				
						NR	-	25	32	38				
			0	-3	-3	Pa	13	30	60	85	200			
						NR	-	20	28	33	45			
		12	6			Pa	18	22	40	60	150			
						NR	-	15	24	30	42			
				0	0	Pa		15	30	45	100	200		
						NR		-	20	27	39	46		
		12				Pa		12	22	35	80	150		
						NR		-	18	23	35	43		
			6	6		Pa			15	25	60	100		
						NR			-	20	31	38		
			12		6	Pa				13	35	60	130	
						NR				-	23	32	43	
				12	12	Pa				5	20	35	80	150
						NR				-	17	25	35	48
					15	Pa					12	22	45	90
						NR					-	21	32	49
					20	Pa						13	29	45
						NR						15	25	33

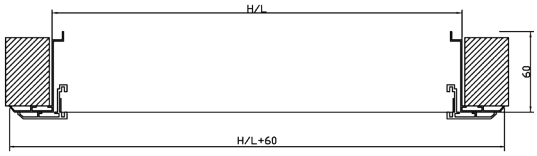
VAD
Access Door

VAD-A

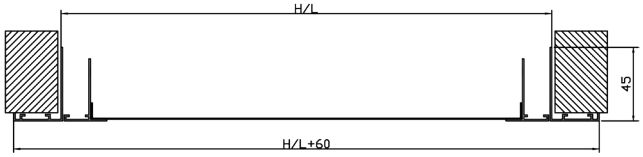
VAD-B

VAD-C

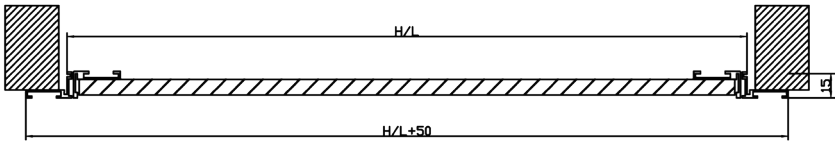
* They are used mainly for accessing the equipment in the ceiling, for maintenance purposes.
* They get removable inner frames to achieve easy accessing.
* They are made of aluminum frames. A, B types are with GI inner plate, and C type is with Gypsum board.
* Mounting: by screw.
* Finishing: White powder coating Ral9016, Ral9010, or customized color.



VAD-A



VAD-B



VAD-C

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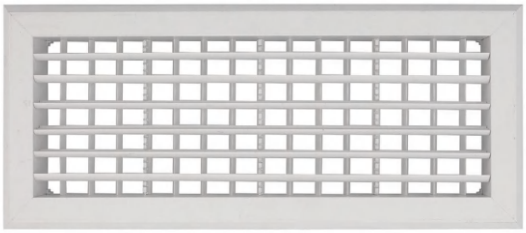
Plastic Grilles and Diffusers

They are used as anti-condensation purposes in high humidity areas.

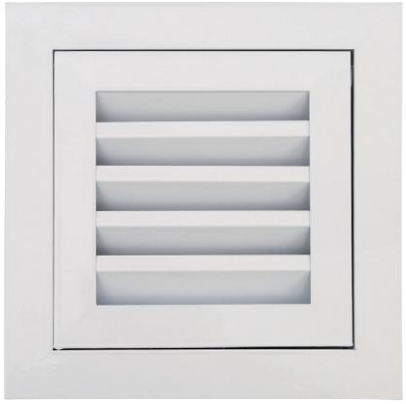
VBG-P



VDDG-P

VLSD-P

VJD-P



VRG-P

VSDG-P

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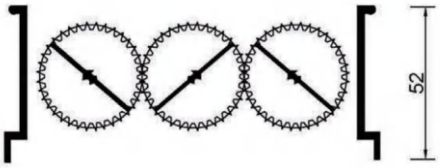
VOBD/VHDD/VSXD

Air Diffusion Dampers

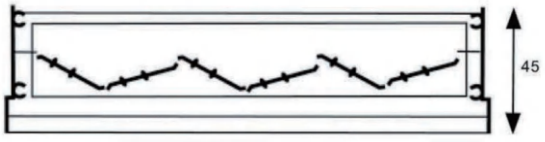
VOBD-A



Features:

* Made of high quality extruded aluminium profile.
* used as damper for square diffuser.
* Accurate gear wheel control.

VOBD-B



Features:

* Made of high quality extruded aluminium profile.
* Used as damper for grilles.
* Mechanical control operated by screw driver.

Butterfly Damper

VHDD

Features:

* Made of high quality GI sheet.
* Damper for round diffusers.
* Standard sizes:150,200,250,300,350,400,450,500

Fan Shape Damper

VSXD

Features:

* Made of high quality GI sheet.
* Damper for round diffusers.
* Standard sizes:150,200,250,300,350,400,450,500

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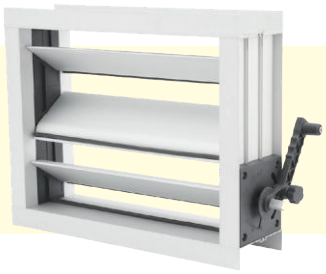
VDD
Duct Dampers

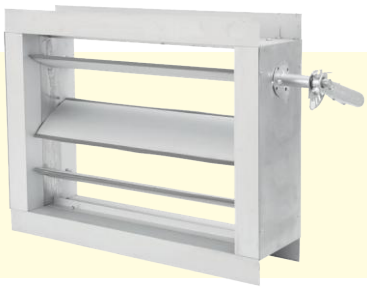


* Volume control damper on duct systems.
* Made of extruded aluminum profile.
* Control: manually or by electrical actuator.
* Sizes are according to needs.

VDD-A01 (Alu.)

* Volume control damper on duct systems.
* Made of GI.
* Control: manually or by electrical actuator.
* Sizes are according to needs.

VDD-A02 (GI)



* Volume control damper on duct systems when leakproof needed.
* Made of extruded aluminum profile.
* Control: manually or by electrical actuator.
* Sizes are according to needs.

VDD-A03(leakproof)

Standard sizes	D1	D2
100	98	104
125	123	129
150	148	154
160	158	164
200	198	204
250	248	254
315	313	319

* Round damper for round ducting system.
* Made of GI.
* Control: manually or by electrical actuator.

VDD-B

Standard sizes	D1	D2
100	98	104
125	123	129
150	148	154
160	158	164
200	198	204
250	248	254
315	313	319

* Back Draught Damper for non–return purposes.
* Made of GI frame and Alu.

VDD-C

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VCAV
CAV Dampers

VCAV-A

VCAV-B

The constant air volume valve is a mechanically braked structure developed for air volume control in constant air volume systems, suitable for both supply and exhaust air. Each constant air volume valve is set to a reference air volume before leaving the factory and has undergone airflow performance testing. The required air volume can be conveniently set through an external dial without the need for any tools. The operation of the constant air volume valve does not require power supply; it relies on a flexible vane that maintains the air volume constant at the set value within the entire pressure difference range under the action of aerodynamic forces. The flow of air generates power. This force is amplified by an automatic inflatable airbag inside the constant air volume valve, acting on the vane to move it in the closing direction. The airbag also has a cushioning and shock-absorbing effect. At the same time, a mechanical device composed of a spring blade and a cam drives the vane in the opposite direction, thus ensuring that the air volume remains constant within a minimal error when the air duct pressure changes.

• Standard sized VCAV-A

200×100	300×100	400×200	500×200	600×200
200×150	300×150	400×250	500×250	600×250
200×200	300×200	400×300	500×300	600×300
		400×400	500×400	600×400
			500×500	600×500
				600×600

• Standard sizes VCAV-B

Model	Size (mm)	
	A	B
80	75	300
100	95	300
125	120	300
150	145	300
160	155	300
200	195	300
250	245	300
315	310	300
400	395	400

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VVAV
VAV Dampers

The variable air valve is used for supply or exhaust air. The mechanical parts and electronic control parts are integrated. They are assembled before leaving the factory, and the hose connection and wiring are also completed. Each device is set to the required air volume and has passed the air flow performance test. The regulating valve is equipped with a valve disc and an air pressure sensor for testing the air volume. The air volume control adopts closed-loop control and requires external power supply. Select the pressure transmitter controller and actuator according to the control requirements and operating conditions. The 485 port facilitates external control.

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VFD
Fire Dampers

Automatic fire damper, installed on the pipes of ventilation and air conditioning systems with fire protection requirements. It can be selected as normally open, normally closed, electric or manual reset. There are two models: 70C° and 280C° .

Sizes：Customized

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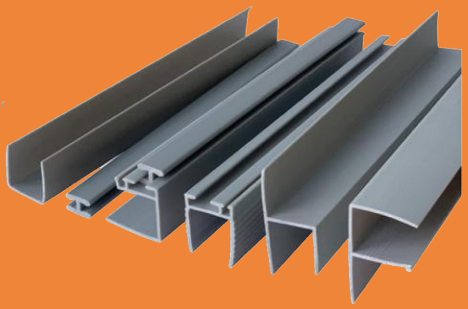
Pre-insulated Air Duct Panel and Accessories

High Quality makes better ducting

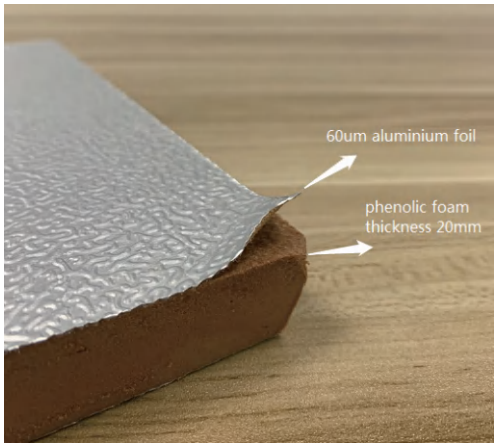


VPID
Pre–insulated Duct

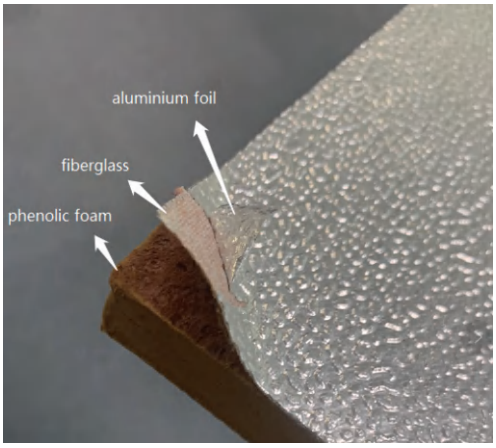
• Phenolic Air Duct Panel

Ventech Phenolic Pre–insulated Duct Panel is suitable for all HVAC Ducting, it can be fabricated into different kinds of shapes by cutting and adhesive connectiong. Compared with GI ducting, phenolic pre–insulated duct panel has the advantage of low weight, fast installation, fire–resistant, sound insulation and energy saving.

Our phenolic pre–insulated duct panel is made of 2 layers of aluminium foil at both side and 1 layer of phenolic foam in the middle.



VPID–A01–20
VPID–A01–25
VPID–A01–30



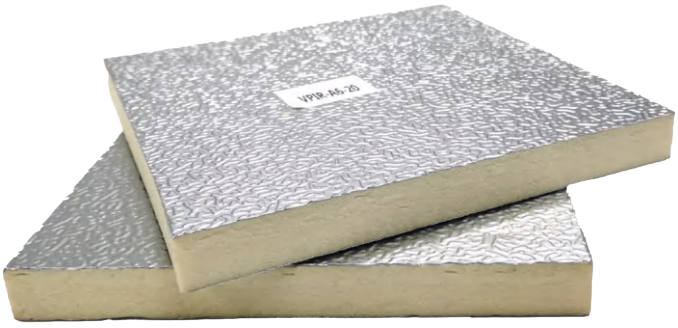
VPID–A02–20
VPID–A02–25
VPID–A02–30

Phenolic foam board specification			
Length	3950/3900mm	Width	1200mm
Tickness	20,25,30mm	Thermal Conductivity	0.023 W/m.k
Density	45-59 kg/m3	Compressive Strength	0.31 Mpa
Water Absorption	0.06%	Dimension Stability	0.02%
Operating Temperature Limits	-25° C to 80° C	Application	indoor
Fire and smoke performance	ASTM E84 & BS	Combustibility Property	Class 0

• PIR Air Duct Panel

PIR Pre-insulated duct system is an innvative technoogy for HVAC ductwork,the rigid polyisocyanurate panel is used as an alternative of traditional GI for operation such as fresh air, supply, return and exhaust air duct work for HVAC system.

These panels feature a unique sandwich construction that is the result of injecting (PIR) as the core material laminated with aluminium facing on both sides. These panels are suitable for the consturction of air distribution ducts in air-conditioning and the heating systems.



VPID-B01-20
VPID-B01-25
VPID-B01-30

Panel Structre	/	Aluminium foil/PIR/Aluminium foil
Panel Size	mm	3950*1200
Foam Density	kg/m3	50-52
Thermal Conductivity	w/m.k	0.022
Water Absorption	%	0.36
Working Temperature	°C	-100 to +70
Compressing Strength	MPa	0.2
Lifespan	years	>20
Air Leakage	&	⩽ 2

• Air Duct accessories

H Bayonet(PVC)

Invisible Flange Joint(Pvc)

U Flange(PVC)

h Flange(PVC)

F Flange(PVC)

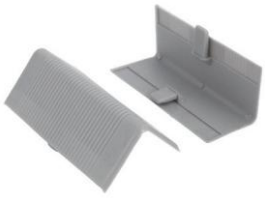
H Bayonet(Alu.)

Invisible Flange Joint(Alu.)

U Flange(Alu.)

h Flange(Alu.)

F Flange(Alu.)



Flange Cover

Flange Angle

Round Collar

Collar Unrolled

Alu. Tape

U Channel

Thread Rod

Anchor

Flexible Connector

Gl hanger

Gl Disk

alu. tube support

Pre-insulated Duct Panel Cutting Machine with 5 Axles

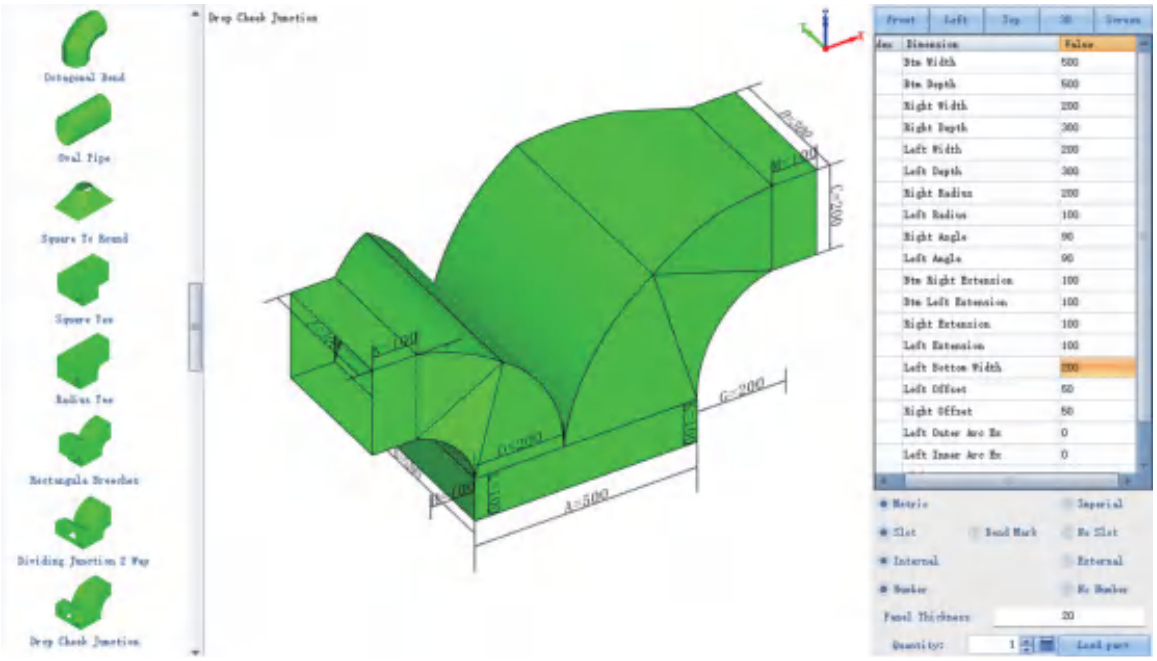
With 5 axles movement, V4013 use a single blade cut all the duct fittings, and interfaces with different requirement, no matter rectangular straight duct, round straight duct, elbows, trousers type, shoe type, round or rectangular reducers etc.

With an innovative reverse cutting technology, the finished duct products are completely sealed without inside gaps, achieving a one–piece duct effect.

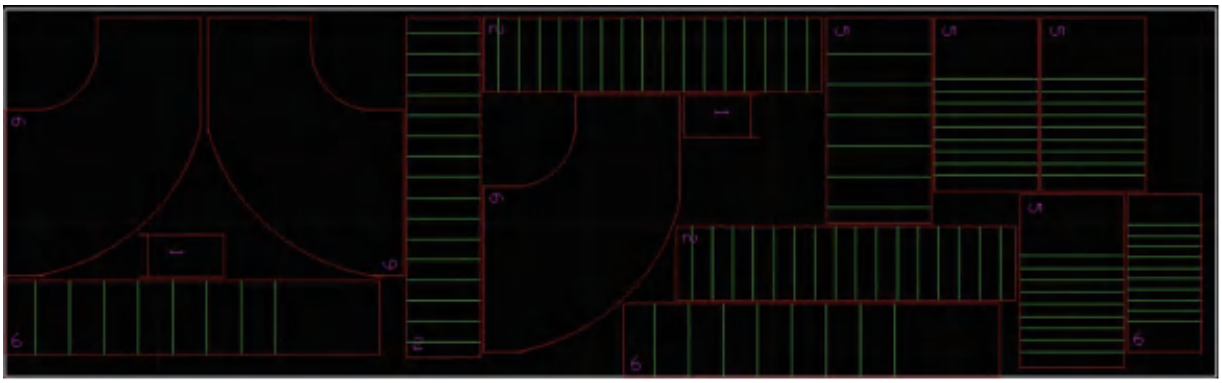
- *On– site training*
- ***3*** *years free warranty*
- ***24*** *hours* ***7*** *days online services*
- *Free software updating*

• The Ventech Software

An innovative and easy operating software with an ALL–INSIDE fittings' library.



Auto–nesting saves time and raw material. Ventech software offers automatic nesting.



• Flexible Duct

VFD-A01

NON-INSULATED

Description: Non-insulated aluminum flexible ducts are produced from two layer aluminum strengthened with high tension hard steel spring wire.
Standard Length: 10 Meters Packaging: Individual Carton Boxes
Fire Resistance: Difficult-Flammability Diameter Range:100~610mm
Temperature Range:-30~+140°C Max Air Velocity: 30m/s
Max Working Pressure: 2500Pa

VFD-A02

WITH INSULATION

Description: Insulated flexible duct made of a thermal flex innerwall, supporting a 25 thickness 18kg/m3 fiberglass insulation, sheathed in a reinforced aluminum/polyester laminated jacket acting as a vapor barrier.
Standard Length: 10 Meters Packaging: Individual Carton Boxes
Fire Resistance: Difficult-Flammability Diameter Range: 100~610mm
Temperature Range:-30~+140°C Max Air Velocity: 30m/s
Max Working Pressure: 2500Pa Density: 18kg/m3
Thickness:25~50mm Conductivity Factor: 0.034W/mK

VFD-B01

VFD-B02

Diameter		Length
mm	Inch	m/pcs
100	4	10
125	5	10
150	6	10
200	8	10
250	10	10
300	12	10
350	14	10
400	16	10

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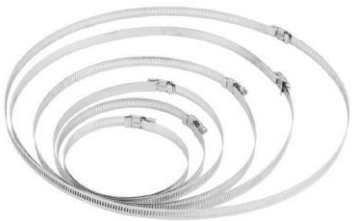
VAT
Aluminum Tape

VAT-A

VAT-B

Model	Thickness(mm)	Width（mm)	Peel Strength	Viscidity（11mm)	T-shaped Unwinding force	Heat performance
508	0.042 ± 0.002	15-1200	16-24N/25mm,PSTC-1	⩽ 20cm,PSTC-6	⩽ 0.5N/25mm,PSTC-4	-10~+110°C
501	0.044 ± 0.002	15-1200	15-23N/25mm,PSTC-1	⩽ 20cm,PSTC-6	⩽ 0.5N/25mm,PSTC-4	-10~+110°C
503	0.05 ± 0.002	15-1200	16-23N/25mm,PSTC-1	⩽ 20cm,PSTC-6	⩽ 0.5N/25mm.PSTC-4	-10~+110°C
602	0.061 ± 0.002	15-1200	16-23N/25mm,PSTC-1	⩽ 20cm,PSTC-6	⩽ 0.5N/25mm.PSTC-4	-10~+110°C
702	0.68 ± 0.002	15-1200	16-23N/25mm,PSTC-1	⩽ 20cm,PSTC-6	⩽ 0.5N/25mm,PSTC-4	-10~+110°C
802	0.074 ± 0.002	15-1200	16-23N/25mm,PSTC-1	⩽ 20cm,PSTC-6	⩽ 0.5N/25mm.PSTC-4	-10~+110°C
902	0.88 ± 0.002	15-1200	16-23N/25mm,PSTC-1	⩽ 20cm,PSTC-6	⩽ 0.5N/25mm,PSTC-4	-10~+110°C
151	0.128 ± 0.002	15-1200	16-23N/25mm,PSTC-1	⩽ 20cm,PSTC-6	⩽ 0.5N/25mm,PSTC-4	-10~+110°C
201	0.188 ± 0.002	15-1200	16-23N/25mm,PSTC-1	⩽ 20cm,PSTC-6	⩽ 0.5N/25mm.PSTC-4	-10~+110°C

VDC
Duct Clamps



VDC-1

Material: SS304
Thickness: 0.6mm
Width: 8mm

Model	Suitable Dia. (mm)
84-108	100
105-127	125
130-152	150
141-165	160
194-216	200
251-273	250
289-311	300
332-354	350

VDC-2

Self-Lock Nylon Clamp

Size AxB (mm)	Suitable Dia.　C (mm)
10x400	100
10x500	125
10x550	150
10x650	160
10x800	200
10x1000	300
10x1200	350
10x1500	450

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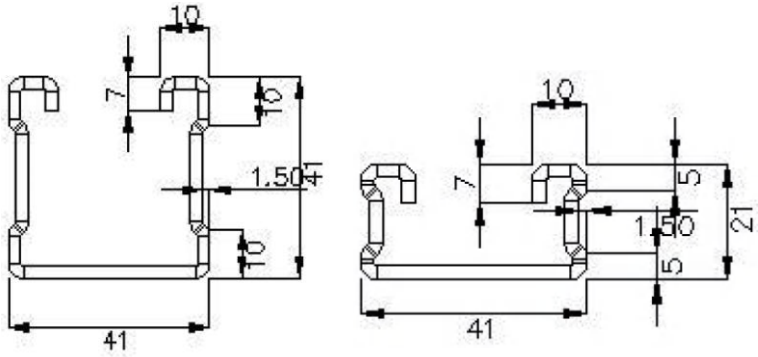
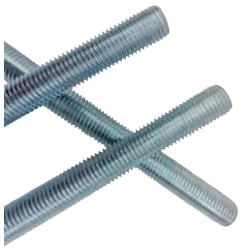
VUC
U channel

Model: VUC–41x41–2.0
Model: VUC–41x21–2.0



VTS
Thread Rod, Stud Anchor



VTS-1-M8x3, VTS-1-M10x3

Material: Galvanized Steel
Standard Length: 3 meters

VTS-2-M8, VTS-2-M10

Material: Galvanized Steel

VFC
Flexible Connector

45/60/45	45/70/45	45/75/45	70/100/70

* Fabric: thickness 0.5mm 500gms.
* Color: Balck color, or customized.
* GI thickness: 0.36mm.
* Length: standard 45m, or customized.

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VFG
Fiber Glass Roll

VFG-1

VFG-2

• Fiber Glass Roll with Aluminum Facer VFG-1

Model	Thickness(mm)	Density(kg/m3)	Size(m)
VFG-1-30-32K	30	32	1.2x22
VFG-1-30-48K	30	48	1.2x22
VFG-1-50-16K	50	16	1.2x22
VFG-1-50-24K	50	24	1.2x22
VFG-1-50-32K	50	32	1.2x10
VFG-1-50-48K	50	48	1.2x10

• Fiber Glass Roll VFG-2

Model	Thickness(mm)	Density(kg/m3)	Size(m)
VFG-2-30-32K	30	32	1.2x22
VFG-2-30-32K	30	48	1.2x22
VFG-2-30-32K	50	16	1.2x22
VFG-2-30-32K	50	24	1.2x22
VFG-2-30-32K	50	32	1.2x10
VFG-2-30-32K	50	48	1.2x10

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VRI
Rubber Insulation Roll

• Rubber Insulation Roll VRI-1
Non–adhesive

Model	Thickness(mm)	Size(m)
VRI-1-5	5	1x7.5
VRI-1-10	10	1x7.5
VRI-1-15	15	1x7.5
VRI-1-20	20	1x7.5
VRI-1-30	30	1x7.5

• Rubber Insulation Roll VRI-2
Self–adhesive

Model	Thickness(mm)	Size(m)
VRI-2-5	5	1x7.5
VRI-2-10	10	1x7.5
VRI-2-15	15	1x7.5
VRI-2-20	20	1x7.5
VRI-2-30	30	1x7.5

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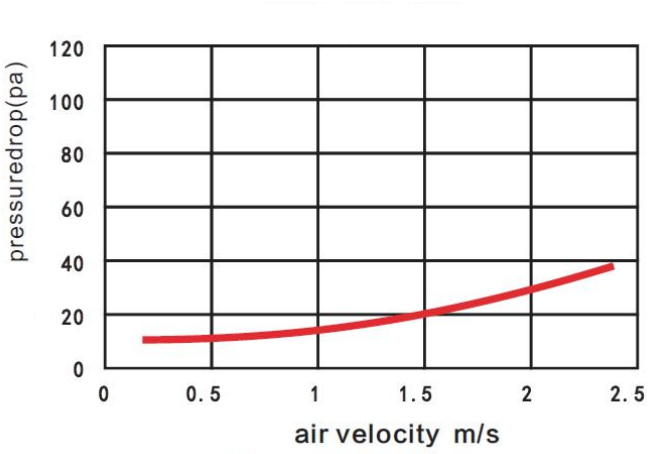
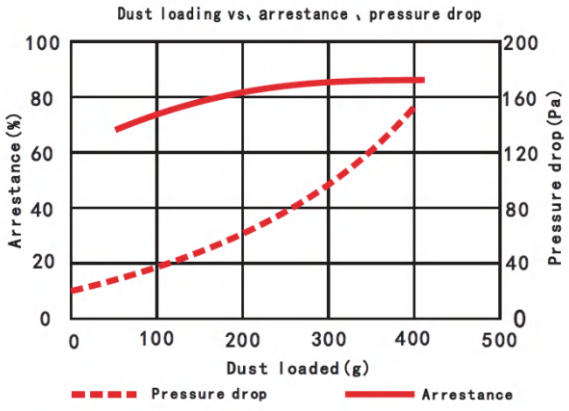
VPFR
Primary Filter Roll

VPFR 01
White Primary Filter Roll

* Made by hot-air bonding of carded polyester fibers with gradually increasing density.
* The moisture resistance reaches 100% RH and it is washable.
* The temperature resistance reaches 80° C / 176° F.
* It is non-flammable, with flame retardancy: F1.
* Filtration target: dust particles ⩾ 5 μm.





Model	Dimensions (mm)			Velocity (m/s)	Pressure Drop (Pa)	Air flow (m3/h)	Filter Efficiency(%) ASHRAE2.1-1992	Dust Holding (g/m2)	Final Pressure (Pa)	Filtering Grade (EN779)
	Length	Width	Thickness							
VPFR01-20-1	20	1	10	1.5	16	5400	70	360	150	G2/EU2
VPFR01-20F1-1	20	1	18	1.5	23	5400	85	520	200	G3/EU3
VPFR01-20F2-1	20	1	20	1.5	27	5400	90	550	250	G4/EU4

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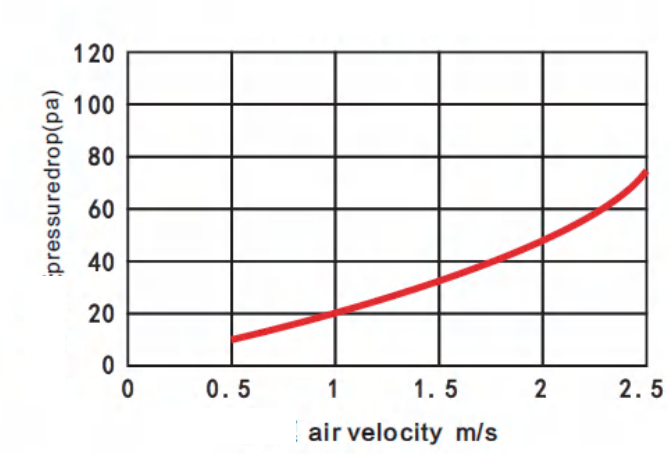
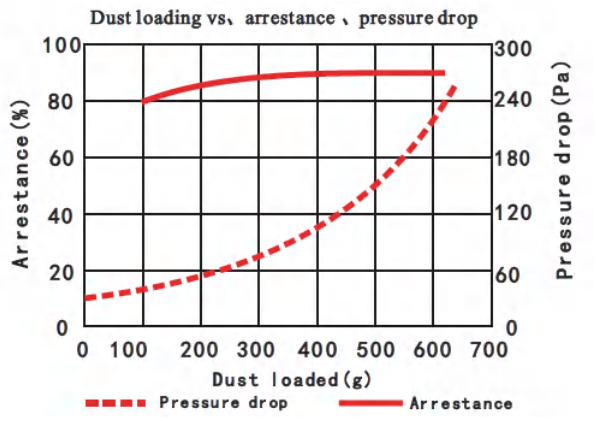
VPFR 02

Blue White Primary Filter Roll

* Made by hot-air bonding of carded polyester fibers with gradually increasing density.
* The moisture resistance reaches 100% RH and it is washable.
* The temperature resistance reaches 80° C / 176° F.
* It is non-flammable, with flame retardancy: F1.
* Filtration target: dust particles ⩾ 5 μm.





Model	Dimensions (mm)			Velocity (m/s)	Pressure Drop (Pa)	Air flow (m3/h)	Filter Efficiency(%) ASHRAE2.1-1992	Dust Holding (g/m2)	Final Pressure (Pa)	Filtering Grade (EN779)
	Length	Width	Thickness							
VPFR02-1	20	1	18	1.5	23	5400	83	520	200	G3/EU3
VPFR02F1-1	20	1	18	1.5	25	5400	85	520	200	G3/EU3
VPFR02F2-1	20	1	18	1.5	28	5400	87	520	200	G3/EU3

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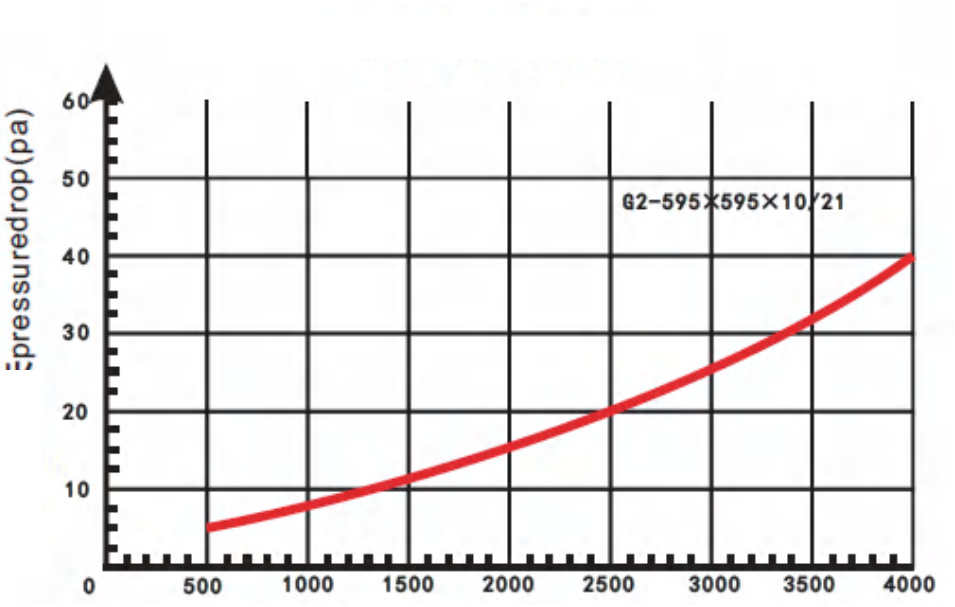
VPFR 03

Nylon Filter

* Nylon mesh filter material, it can be washed repeatedly and has a long service life.
* Resistant to acid, alkali and with excellent corrosion resistance.
* Large air volume and low resistance.
* Captures dust particles and debris larger than 10 μm in the air.



Model	Dimensions (mm)			Velocity (m/s)	Pressure Drop (Pa)	Air flow (m3/h)	Filter Efficiency(%) ASHRAE2.1-1992	Final Pressure (Pa)	Filtering Grade (EN779)
	Length	Width	Thickness						
VPFR03	100	1.2	1.5	25	5400	65	100	G2/EU2	G3/EU3

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VPFR 03

Activated Carbon Filter

* Activated carbon with broad-spectrum properties as the adsorbent material, high polymer binder is employed to evenly load the activated carbon onto a structurally fluffy fibrous substrate.
* It has a large specific surface area, extensive and remarkable adsorption performance, and a wide range of applications.
* The internal fibers are uniform and fluffy, with good air permeability and low resistance.
* It can adsorb organic gases such as benzene, phenols, esters, alcohols, aldehydes, and odorous gases.

Model	Dimensions (mm)			Carbon (%)	Adsorption Efficiency (%)	Air flow (m3/h)	Filtering Grade (EN779)
	Length	Width	Thickness				
VPFR04-5	20	1	5	⩾ 45	45	5400	G3/EU3
VPFR04-10	20	1	10	⩾ 55	50	5200	G3/EU3
VPFR04-20	20	1	20	⩾ 60	55	5000	G3/EU3

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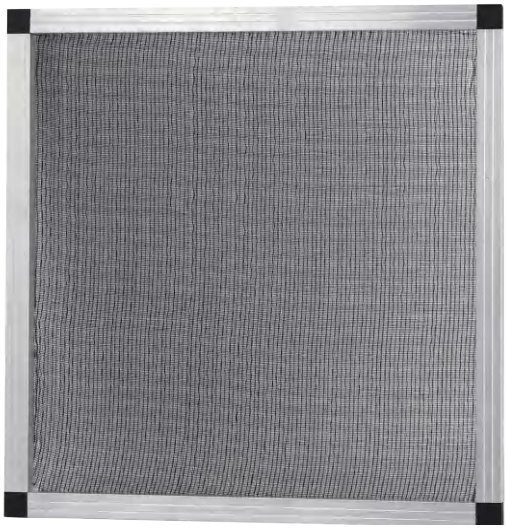
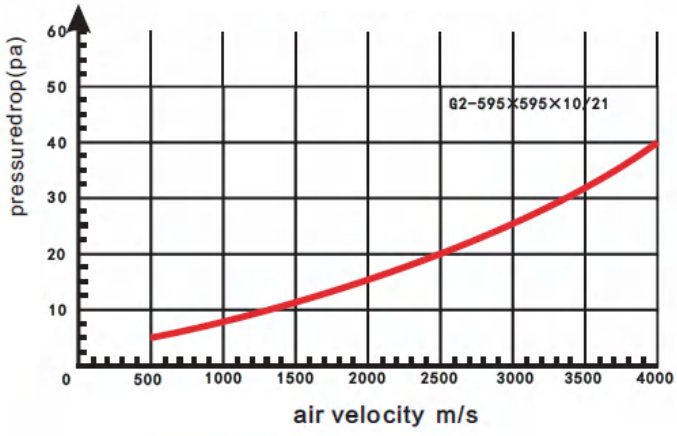
VPF01
Primary Filter



* Nylon mesh filter material, it can be washed repeatedly and has a long service life.
* Resistant to acid, alkali and with excellent corrosion resistance.
* Large air volume and low resistance.
* Captures dust particles and debris larger than 10 μm in the air.



Size: Customized

Specifications:

Model	Size (mm)	Air Flow (m3/h)	Pressure Drop (Pa)	Filter Efficiency(%) ASHRAE2.1-1992	Final Pressure (Pa)	Filtering Grade (EN779)	Material	
							Frame	Filter
VPF01-1	595x595	4000	25	65	100	G2/EU2	Aluminum	Nylon
VPF01-2	595x595	4000	25	65	100	G2/EU2	PVC	Nylon

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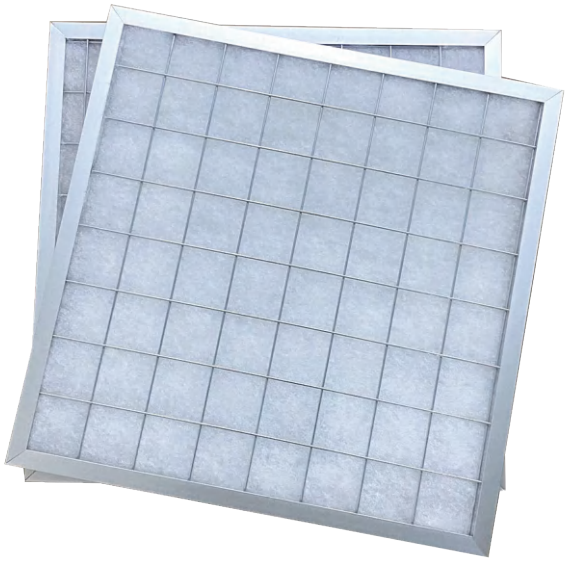
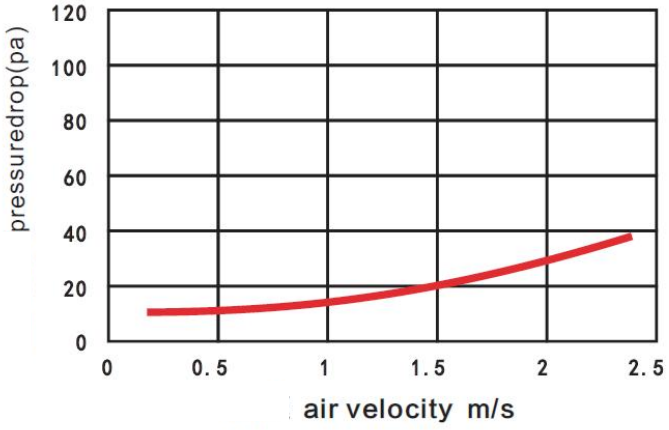
VPF02
Primary Filter



* Made by hot-air bonding of carded polyester fibers with gradually increasing density.
* The moisture resistance reaches 100% RH and it is washable.
* The temperature resistance reaches 80° C / 176° F.
* It is non-flammable, with flame retardancy: F1.
* Filtration target: dust particles ⩾ 5 μm.



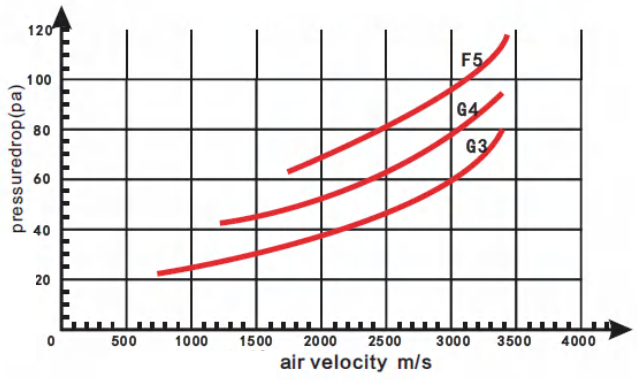
Size: Customized

Specifications:

Model	Size (mm)	Air Flow (m3/h)	Pressure Drop (Pa)	Filter Efficiency(%) ASHRAE2.1-1992	Final Pressure (Pa)	Filtering Grade (EN779)	Material	
							Frame	Filter
VPF02-1	595x595	3400	23	70	150	G2/EU2	Aluminum	Polyester fiber

VPF03
Primary Filter

* Using synthetic fiber pleated filter media, it features a large filtration area.
* High dust holding capacity and long service life.
* Large air volume and low initial resistance.
* Low operating cost, economical and practical.
* Captures larger dust particles and suspended substances above 10 μm.



Model	Size (mm)	Air Flow (m3/h)	Pressure Drop (Pa)	Filter Efficiency(%) ASHRAE2.1-1992	Final Pressure (Pa)	Filtering Grade (EN779)	Material		
							Frame	Filter	Mesh
VPF03-1	595x595x25	2400	35	95	260	G2/EU2	Aluminum GI Cardboard	non-woven fabrics	GI Stainles s Steel
VPF03-2	595x595x46	3400	35	95	280	G3/EU3			
VPF03-3	595x595x96	4200	35	95	320	G4/EU4			

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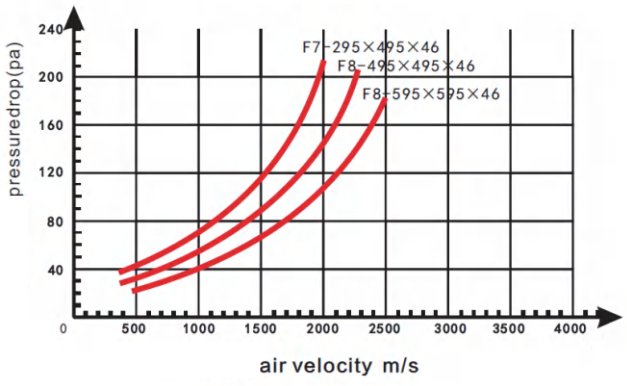
VMF
Medium filter

* Made of polyester fiber filter media and polyurethane sealing glue.
* Sturdy structure.
* Large filtration area and easy installation and maintenance.
* Filtration efficiency: F5



Model	Size (mm)	Air Flow (m3/h)	Pressure Drop (Pa)	Filter Efficiency(%) ASHRAE2.1-1992	Final Pressure (Pa)	Filtering Grade (EN779)	Material		
							Frame	Filter	Sealant
VMF01	595x595x46	3500	90	45	360	F5/EU5	Aluminum	Polyester fiber	Polyurethane
VMF01	595x495x46	2300	90	45	360	F5/EU5			
VMF01	290x592x46	1600	90	45	360	F5/EU5			
VMF02	595x595x46	3600	105	420	65	F6/EU6	Aluminum	Polyester fiber	Polyurethane
VMF02	595x495x46	2400	105	420	65	F6/EU6			
VMF02	290x592x46	1800	105	420	65	F6/EU6			
VMF03	595x595x46	3300	120	480	85	F7/EU7	Aluminum	Polyester fiber	Polyurethane
VMF03	595x495x46	2300	120	480	85	F7/EU7			
VMF03	290x592x46	1600	120	480	85	F7/EU7			

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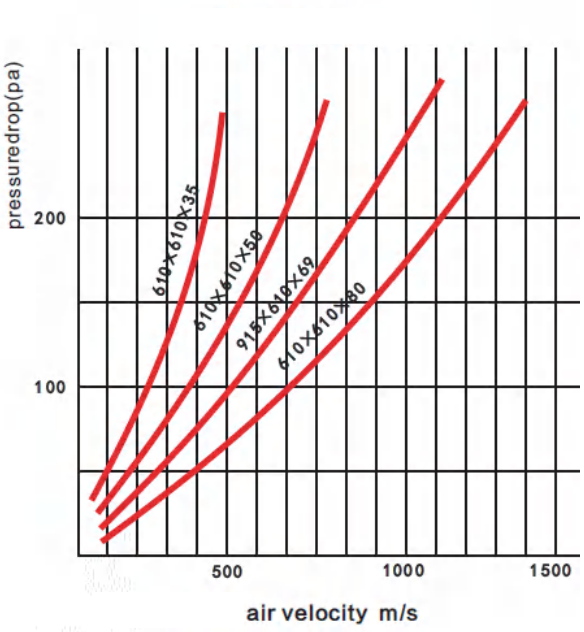
VHEPA
HEPA Filter

* High efficiency (mainly captures particles above 0.3 μm)
* Low resistance
* Thin thickness (minimum thickness of 25 mm)
* Light weight
* Easy installation
* Each unit has been subjected to scanning leak detection



Model	Size (mm)	Air Flow (m3/h)	Pressure Drop (Pa)	Final Pressure (Pa)	Filter Efficiency(%) ASHRAE2.1-1992	Material		
						Frame	Filter	Sealant
VHF01	305x305x35	110	220	500	99.99	Aluminum GI Stainless Steel	Fiberglass filter paper	Hot melt rubber
VMF01	610x610x35	450	220	500	99.99			
VMF01	305x305x50	180	220	500	99.99			
VMF01	610x610x50	700	220	500	99.99			
VMF01	305x305x69	250	220	500	99.99			
VMF01	610x610x69	1000	220	500	99.99			
VMF01	305x305x80	300	220	500	99.99			
VMF01	610x610x80	1300	220	500	99.99			

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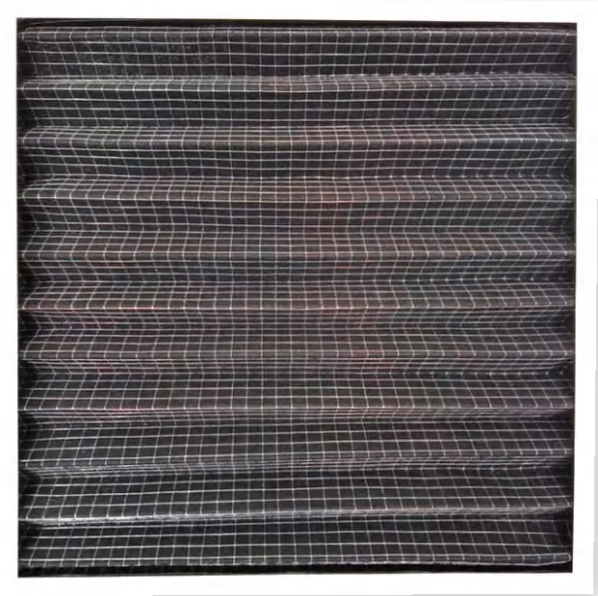
VAC
Activated Carbon Filter



* Activated carbon with broad-spectrum properties is used as the adsorption raw material, featuring a wide range of adsorption capabilities.
* The filtration area is adjustable, which can increase the contact area with air and exert greater adsorption effects.
* The specific surface area of the activated carbon adsorbent material is large, resulting in better adsorption performance.
* Filter media shapes are optional: plate type, folded type, bag type, and box type.

Size: Customized

Specifications:

Model	Size (mm)	Carbon (%)	Adsorption Efficiency (%)	Air flow (m3/h)	Pressure Drop (Pa)	Material
VACF01	592x592x21	⩾ 45	65	3200	35	Activated carbon filter
VACF02	592x592x46	⩾ 45	70	3400	35	
VACF03	610x610x120	⩾ 98	96	3600	30	Honeycomb activated carbon

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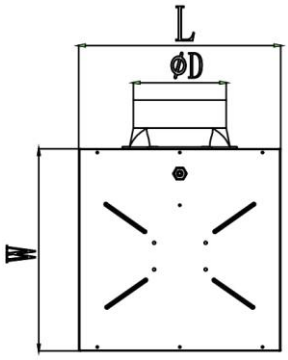
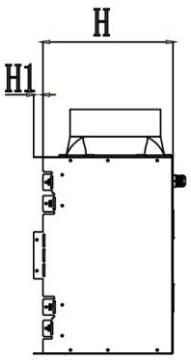
VCMVF

Ceiling Mounted Ventilation Fan

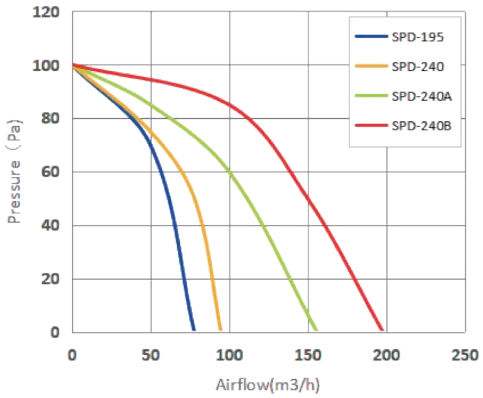


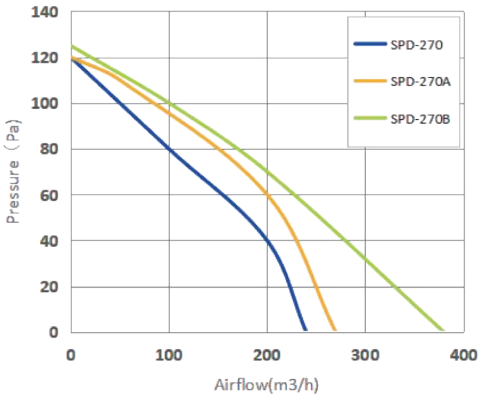


• Specifications:

Model	Motor Type	Power supply	Power (W)	Air Volume(m3/h)	Pressure (Pa)	Noise dB(A)	Duct Size (mm)	Openning Size (mm)	Weight(kg)
VCMVF-195	AC	220-240V/50/60Hz	12	78	100	29	100	195x195	1.5
VCMVF-240	AC	220-240V/50/60Hz	12	95	100	26	100	240x240	2.2
VCMVF-240A	AC	220-240V/50/60Hz	16	156	100	34	100	240x240	2.3
VCMVF-240B	AC	220-240V/50/60Hz	23	198	100	38	100	240x240	2.5
VCMVF-270	AC	220-240V/50/60Hz	38	240	100	34	150	270x270	3.8
VCMVF-270A	AC	220-240V/50/60Hz	42	270	100	36	150	270x270	3.8
VCMVF-270B	AC	220-240V/50/60Hz	50	380	100	38	150	270x270	3.9

• Performance curve:





• Size Table:

Model	A	B	C	D	F	G	H	I	J
VCMVF-195	250	210	140	145	190	230	230	15	98
VCMVF-240	290	250	140	185	235	270	270	15	98
VCMVF-240A	290	250	140	185	235	270	270	15	98
VCMVF-240B	290	250	140	185	235	270	270	15	98
VCMVF-270	300	280	140	200	265	320	320	15	147
VCMVF-270A	300	280	140	200	265	320	320	15	147
VCMVF-270B	300	280	140	200	265	320	320	15	147

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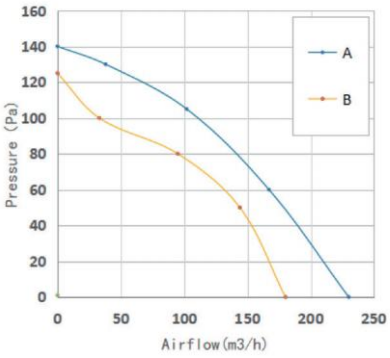
VMFIF-A

AC Mixed Flow Inline Fan

Casing material	Plastic
Direction	Clockwise
Protection	IP44
Insulation class	B
Mounting position	Any
Speed mode	2 speed
Bearing	Ball bearing
Run on timer	5-30 mins
Perm.Amb.temp	-10° C~+60° C
Certification	CE

• Specifications:

Model	Motor Type	Duct Size (mm)	Power supply	Power (W)	Air Volume(m3/h)	Pressure (Pa)	Noise dB(A)	Applicable Area(m2)
VMFIF-A2-100	AC	100	220-240V/50Hz	30/26	292/250	140/120	31/26	8-16
VMFIF-A2-125	AC	125		30/26	292/250	140/120	31/26	8-16
VMFIF-A2-150	AC	150		65/62	548/452	270/252	33/29	18-36
VMFIF-A2-200	AC	200		118/103	910/700	415/400	45/40	34-76
VMFIF-A2-250	AC	250		207/150	1802/1568	580/520	52/46	42-84
VMFIF-A2-315	AC	315		335/226	2575/1920	880/530	58/52	60-120



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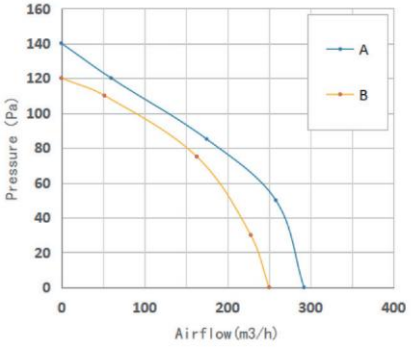

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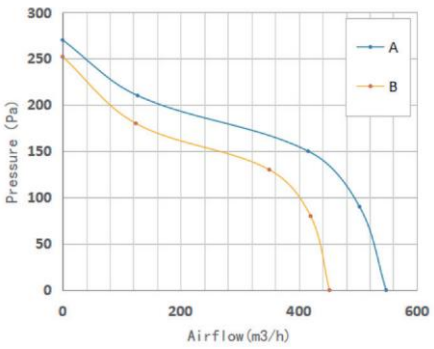

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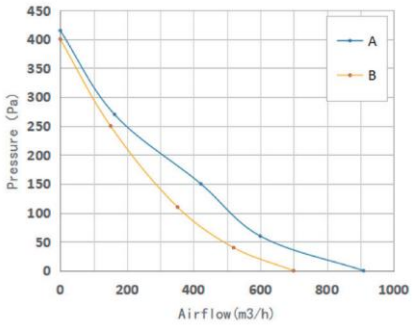

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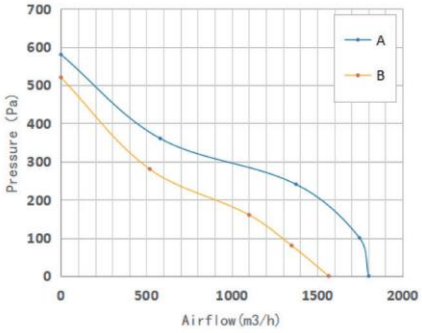

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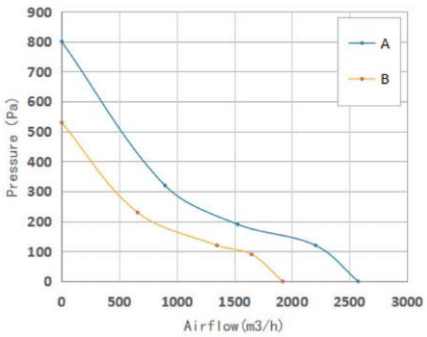

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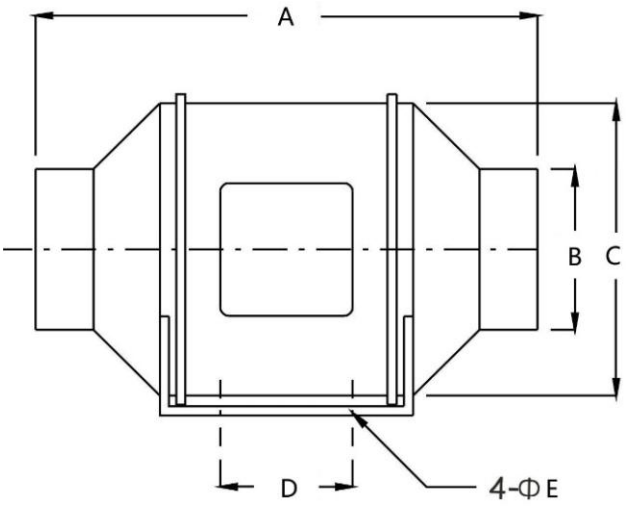

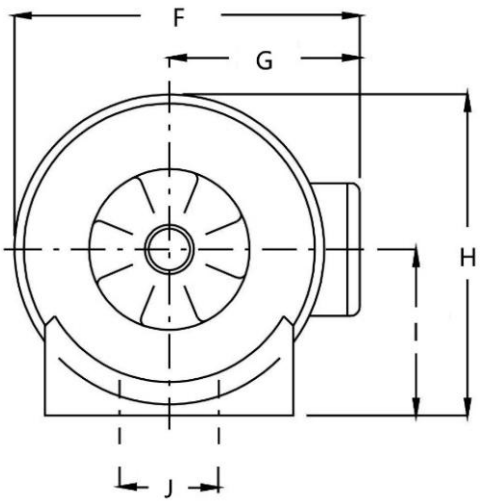

• Size Data:

Model	A	B	C	D	E	F	G	H	I	J
VMFIF-A2-100	302	97	163	80	4.5	204	116	196	99	60
VMFIF-A2-125	257	163	123	80	4.5	204	116	195	99	60
VMFIF-A2-150	313	147	187	80	5	227	127	208	109	60
VMFIF-A2-200	302	197	205	109	5.5	249	137	238	125	94
VMFIF-A2-250	383	247	261	150	8*11	301	174	286	150	150
VMFIF-A2-315	446	312	325	181	8*11	386	216	357	187	178

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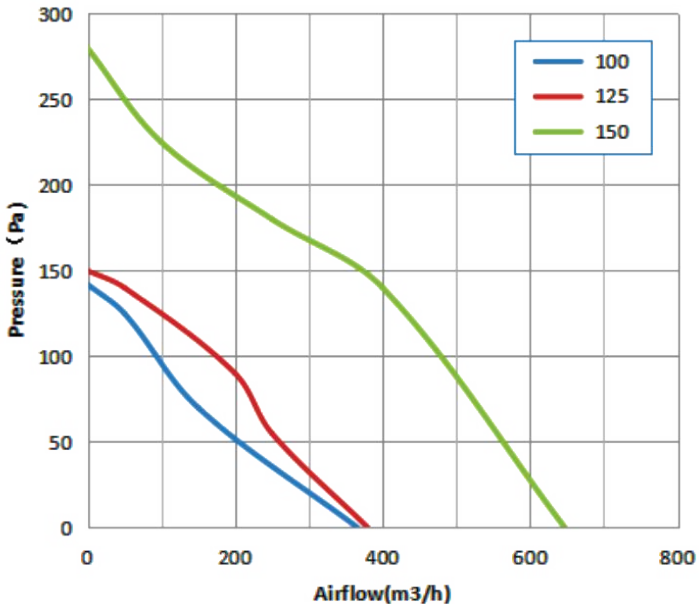
VMFIF-E

EC Mixed Flow Inline Fan

Casing material	Plastic
Direction	Clockwise
Protection	IP44
Insulation class	B
Mounting position	Any
Speed mode	Stepless speed
Bearing	Ball bearing
Run on timer	5-30 mins
Perm.Amb.temp	-10° C~+60° C
Certification	CE

• Specifications:

Model	Motor Type	Duct Size (mm)	Power supply	Power (W)	Air Volume(m3/h)	Pressure (Pa)	Noise dB(A)	Applicable Area(m2)
VMFIF-E-100	EC	100	220-240V/50Hz	18	366	142	31	8-16
VMFIF-E-125	EC	125		20	380	150	31	8-16
VMFIF-E-150	EC	150		44	647	280	33	18-36
VMFIF-E-200	EC	200		84	1250	340	45	34-76
VMFIF-E-250	EC	250		138	1852	590	52	42-84



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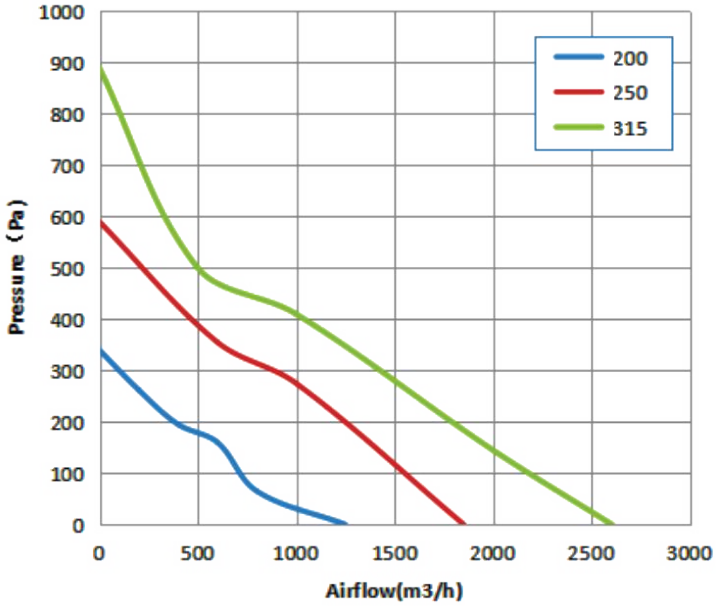

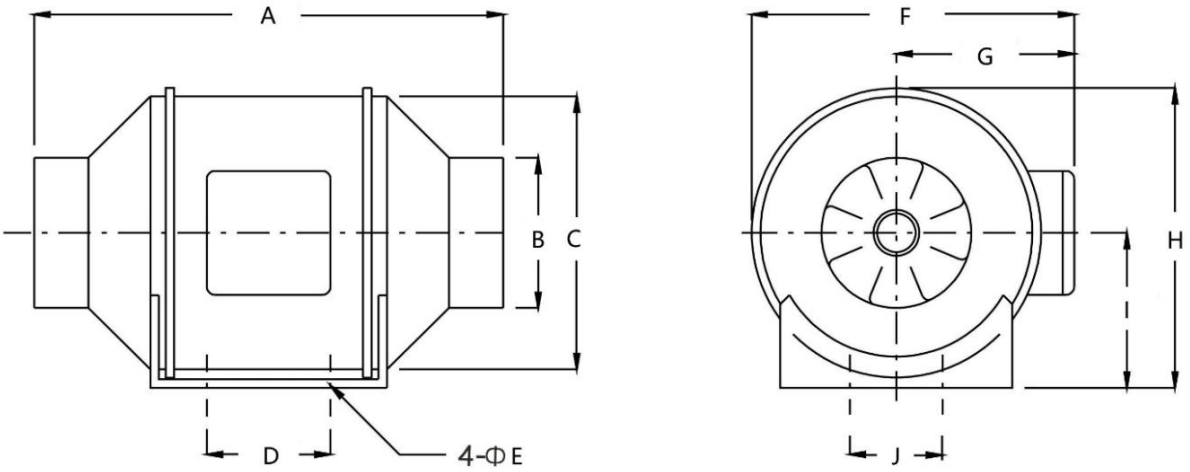

• Size Data:

Model	A	B	C	D	E	F	G	H	I	J
VMFIF-E-100	302	97	163	80	4.5	204	116	196	99	60
VMFIF-E-125	257	163	123	80	4.5	204	116	195	99	60
VMFIF-E-150	313	147	187	80	5	227	127	208	109	60
VMFIF-E-200	302	197	205	109	5.5	249	137	238	125	94
VMFIF-E-250	383	247	261	150	8*11	301	174	286	150	150
VMFIF-E-315	446	312	325	181	8*11	386	216	357	187	178

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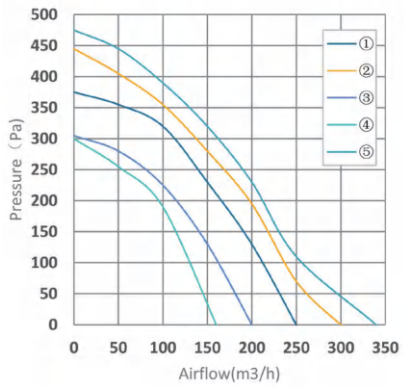
VCIDF-A
AC Circular Inline Duct Fan

Casing material	Steel
Direction	Clockwise
Protection	IP44
Insulation class	F
Mounting position	Any
Speed mode	1 speed
Bearing	Ball bearing
Motor protection	Thermal overload
Perm.Amb.temp.	-10° C~+60° C
Certification	CE

• Specifications:

Model	Curve No.	Motor Type	Duct Size (mm)	Power supply	Power (W)	Air Volume(m3/h)	Pressure (Pa)	Noise dB(A)
VCIDF-AH25-100	1	AC	100	220-240V/50Hz	66	251	375	55
VCIDF-AH26-100	2	AC	100	220-240V/60Hz	79	301	448	55
VCIDF-AL25-100	3	AC	100	220-240V/50Hz	33	200	304	52
VCIDF-AL26-100	4	AC	100	220-240V/60Hz	35	163	301	52
VCIDF-AH16-100	5	AC	100	120V/60Hz	61	339	475	58
VCIDF-AH25-125	1	AC	125	220-240V/50Hz	65	347	362	58
VCIDF-AH26-125	2	AC	125	220-240V/60Hz	78	352	396	58
VCIDF-AL25-125	3	AC	125	220-240V/50Hz	37	252	350	51
VCIDF-AL26-125	4	AC	125	220-240V/60Hz	41	242	303	51
VCIDF-AH16-125	5	AC	125	120V/60Hz	62	404	302	62
VCIDF-AH25-150	1	AC	150	220-240V/50Hz	88	533	445	57
VCIDF-AH26-150	2	AC	150	220-240V/60Hz	103	540	583	57
VCIDF-AL25-150	3	AC	150	220-240V/50Hz	62	400	355	54
VCIDF-AL26-150	4	AC	150	220-240V/60Hz	65	345	347	54
VCIDF-AH16-150	5	AC	150	120V/60Hz	116	535	598	68
VCIDF-AH25-160	1	AC	160	220-240V/50Hz	107	690	460	59
VCIDF-AH26-160	2	AC	160	220-240V/60Hz	131	715	501	59
VCIDF-AL25-160	3	AC	160	220-240V/50Hz	68	446	350	55

VCIDF-AL26-160	4	AC	160	220-240V/60Hz	69	446	381	55
VCIDF-AH16-160	5	AC	160	120V/60Hz	113	754	376	52
VCIDF-AH25-200	1	AC	200	220-240V/50Hz	133	885	572	63
VCIDF-AH26-200	2	AC	200	220-240V/60Hz	174	940	609	63
VCIDF-AL25-200	3	AC	200	220-240V/50Hz	95	754	350	60
VCIDF-AL26-200	4	AC	200	220-240V/60Hz	112	720	376	60
VCIDF-AH16-200	5	AC	200	120V/60Hz	200	1001	661	68
VCIDF-AH25-250	1	AC	250	220-240V/50Hz	151	1066	586	65
VCIDF-AH26-250	2	AC	250	220-240V/60Hz	180	1250	691	65
VCIDF-AH16-250	3	AC	250	120V/60Hz	221	1341	850	74
VCIDF-AH125-315	1	AC	315	220-240V/50Hz	213	1630	655	65
VCIDF-AH126-315	2	AC	315	220-240V/60Hz	220	1810	902	65
VCIDF-AH225-315	3	AC	315	220-240V/50Hz	237	1850	750	73
VCIDF-AH226-315	4	AC	315	220-240V/60Hz	322	2000	1063	73
VCIDF-AL25-315	5	AC	315	220-240V/50Hz	160	1394	601	60
VCIDF-AL26-315	6	AC	315	220-240V/60Hz	190	1365	498	60
VCIDF-AH16-315	7	AC	315	120V/60Hz	282	1868	980	73
VCIDF-AH25-355	1	AC	355	220-240V/50Hz	190	2800	579	50



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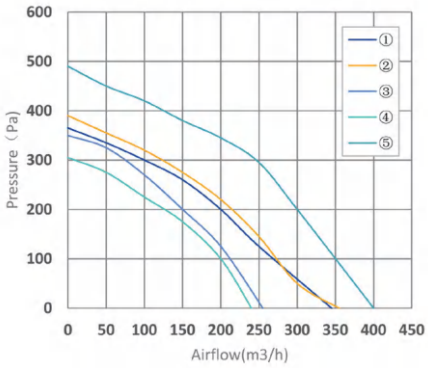

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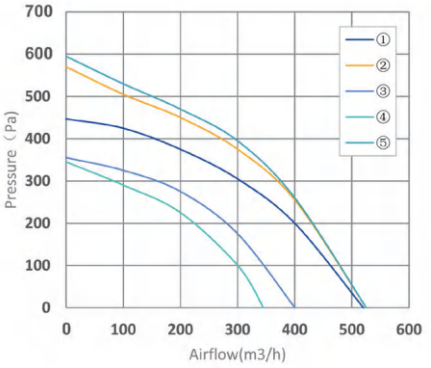

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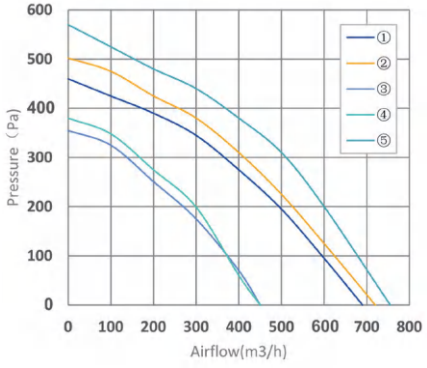

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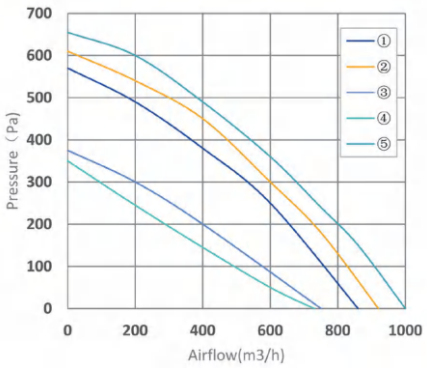

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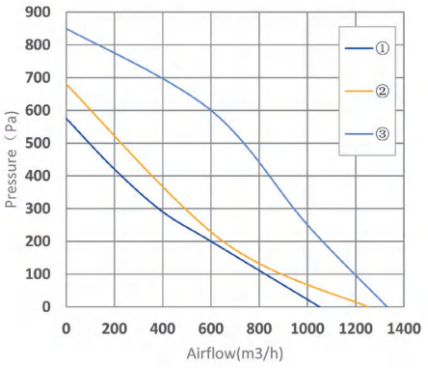

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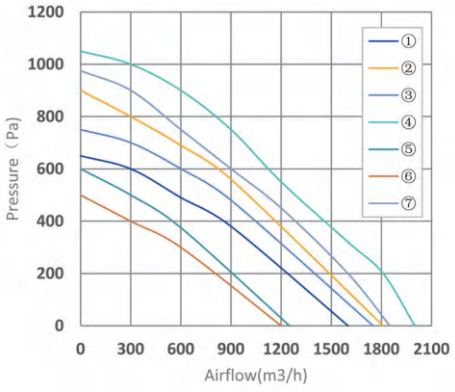

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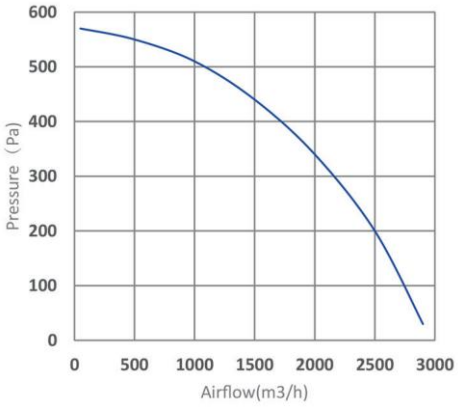

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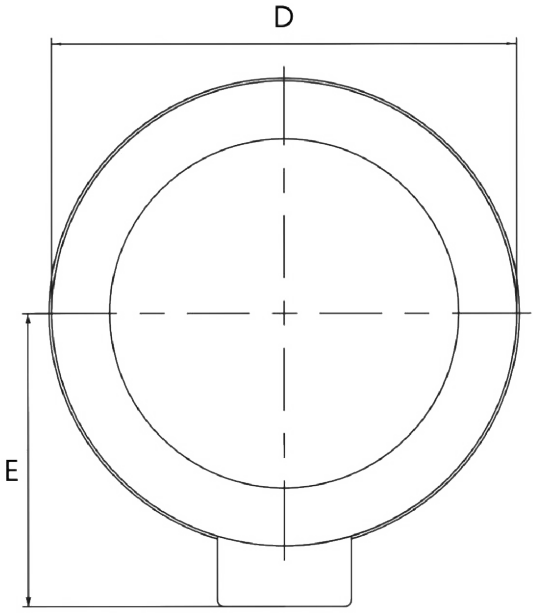
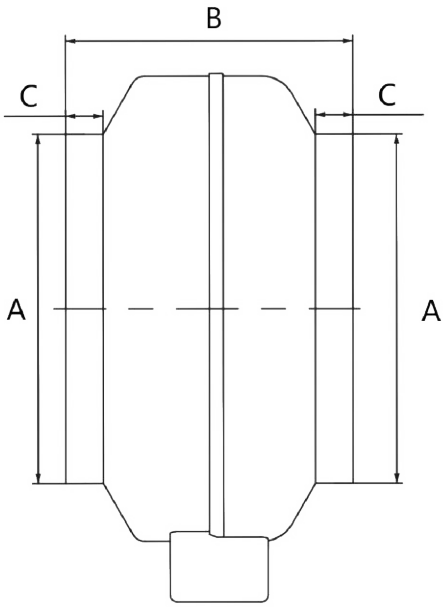




• Size Data:

Model	A	B	C	D	E
VCIDF-A-100	100	195	23	243	160
VCIDF-A-125	125	195	27	243	160
VCIDF-A-150	150	222	28	333	210
VCIDF-A-160	160	222	28	333	210
VCIDF-A-200	200	222	25	333	210
VCIDF-A-250	250	206	27	333	210
VCIDF-A-315	315	230	25	401	245
VCIDF-A-355	355	403	45/38	489	276

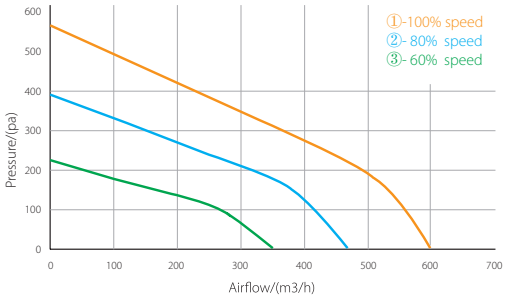
VCIDF-E

EC Circular Inline Duct Fan

Casing material	Steel
Direction	Clockwise
Protection	IP44
Insulation class	F
Mounting position	Any
Speed mode	Stepless speed
Bearing	Ball bearing
Motor protection	Thermal overload
Perm.Amb.temp.	-10° C~+60° C
Certification	CE

• Specifications:

Model	Motor Type	Duct Size (mm)	Power supply	Power (W)	Air Volume(m3/h)	Pressure (Pa)	Noise dB(A)	Noise dB(A)
VCIDF-E-100	EC	100	220-240V/50/60Hz	120	600	570	47	55
VCIDF-E-125	EC	125	220-240V/50/60Hz	123	650	570	46	55
VCIDF-E-150	EC	150	220-240V/50/60Hz	125	900	850	45	52
VCIDF-E-160	EC	160	220-240V/50/60Hz	125	1050	720	45	52
VCIDF-E-200	EC	200	220-240V/50/60Hz	124	1257	900	45	58
VCIDF-E-250	EC	250	220-240V/50/60Hz	146	1384	720	45	58
VCIDF-E-315	EC	315	220-240V/50/60Hz	142	1734	800	48	58



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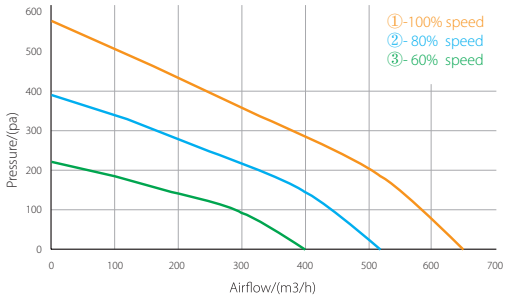

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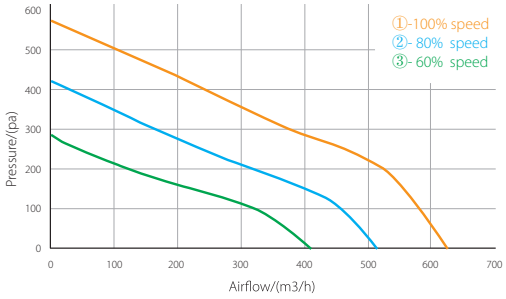

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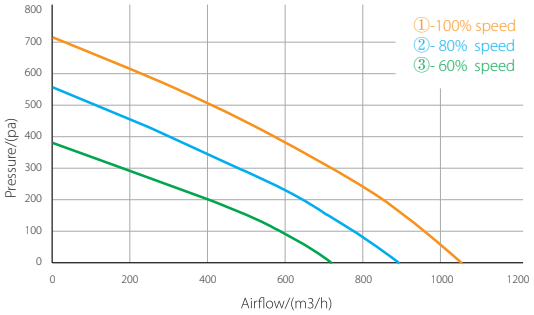

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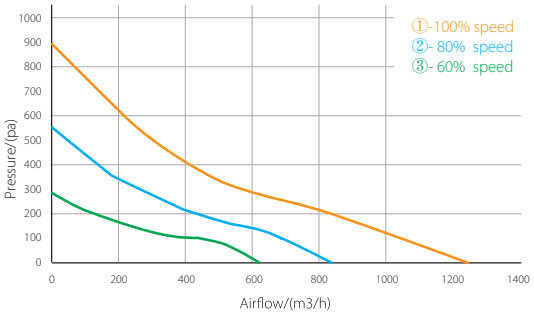

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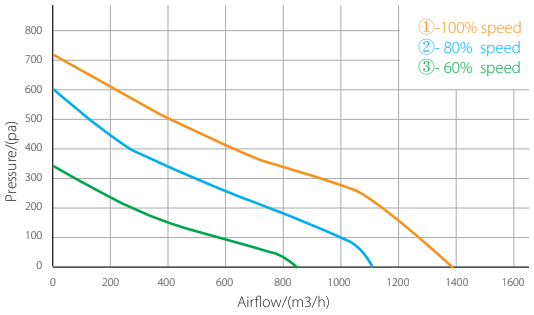

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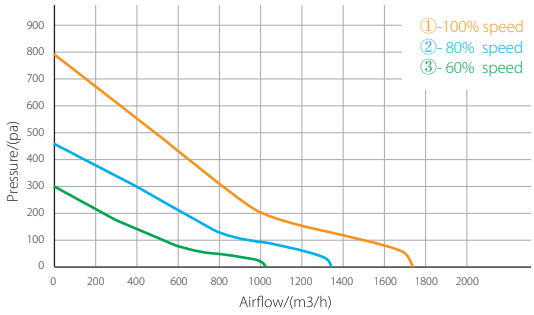

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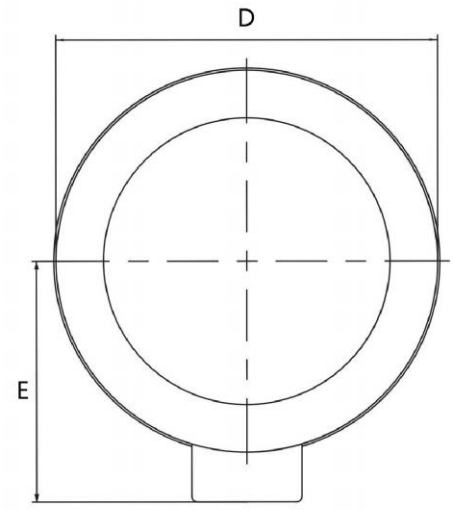
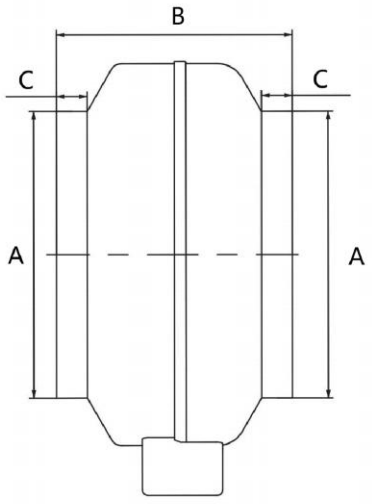


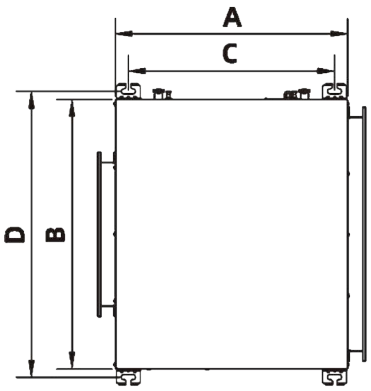


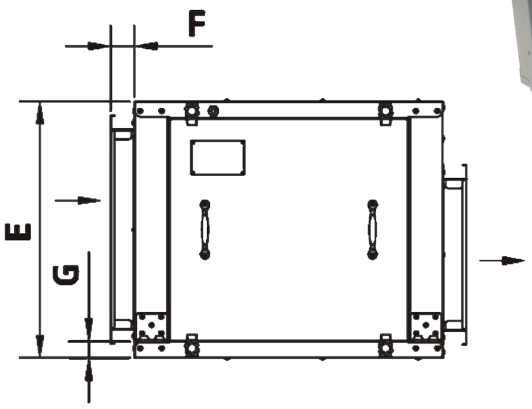
• Size Data:

Model	A	B	C	D	E
VCIDF-E-100	100	195	23	243	160
VCIDF-A-125	125	195	27	243	160
VCIDF-A-150	150	222	28	333	210
VCIDF-A-160	160	222	28	333	210
VCIDF-A-200	200	222	25	333	210
VCIDF-A-250	250	206	27	333	210
VCIDF-A-315	315	230	25	401	245

VACC-H

High Static Air Conditioning Cabinet





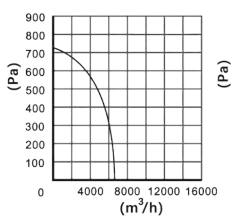
• Size Table (mm)

Model	A	B	C	D	E	F	G	H	I	J	Air out size	Air in size
VACC-H6	700	615	850	90	620	50	50	323	50	68	370x335	578x515
VACC-H8	750	650	950	90	650	50	50	364	50	68	421x335	627x550
VACC-H12	850	725	1050	90	725	50	50	428	50	68	430x385	727x625
VACC-H15	850	725	1050	90	750	50	50	428	50	68	461x388	727x625
VACC-H20	860	725	1050	90	800	50	50	483	50	68	526x394	738x617
VACC-H25	860	777	1050	90	820	50	50	506	50	68	507x398	738x677

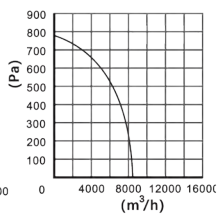
• Performance data

Model	Power (V/Hz)	Rate (W)	Air volume (m3/h)	Static pressure (Pa)	Noice (dB)	Weight (kg)
VACC-H6	380/50	2500	6300	710	69	63
VACC-H8	380/50	3000	8300	790	72	72
VACC-H12	380/50	4000	12000	840	75	86
VACC-H15	380/50	4500	15000	872	81	95
VACC-H20	380/50	5500	20000	895	85	118
VACC-H25	380/50	7500	25000	953	89	127

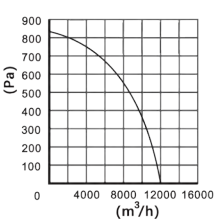
• Performance curve



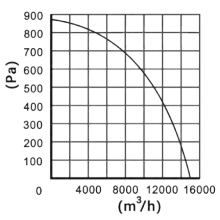
VACC-H6



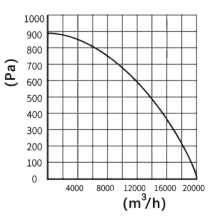
VACC-H8



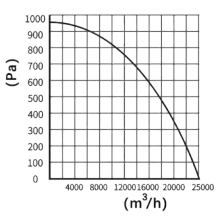
VACC-H12



VACC-H15



VACC-H20



VACC-H25

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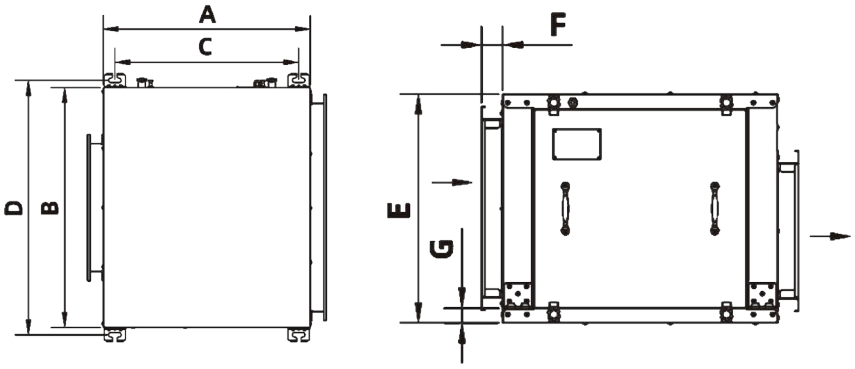
VACC-S

Air Conditioning Cabinet



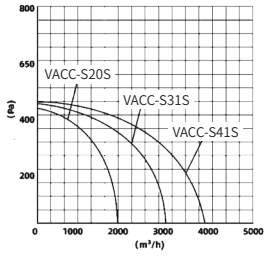
• Size Table (mm)

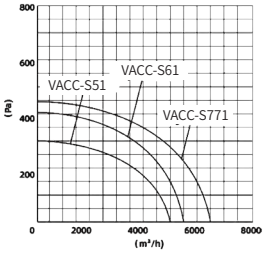
Model	A	B	C	D	E	F	G	Air out size	Air in size
VACC-S20S	550	460	513	507	387	50	36	234x225	234x225
VACC-S26S	550	460	513	507	387	50	36	234x225	234x225
VACC-S31S	525	600	488	647	450	50	36	282x275	508x350
VACC-S41S	525	600	488	647	450	50	36	332x275	508x350
VACC-S51	645	745	573	791	535	50	36	408x315	643x415
VACC-61	645	745	573	791	535	50	36	397x315	643x415
VACC-71	684	701	611	746	600	50	36	417x394	565x433
VACC-81	684	701	611	746	600	50	36	417x394	565x433
VACC-100	790	785	718	830	667	50	36	426x390	700x500
VACC-120	810	885	738	931	667	50	36	479x390	800x500
VACC-150	848	947	750	1067	802	50	、	457x413	783x550
VACC-200	848	1037	750	1147	802	50	、	522x413	873x550
VACC-250	930	903	832	1023	891	50	、	525x452	739x639

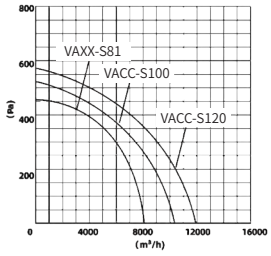
• Performance data

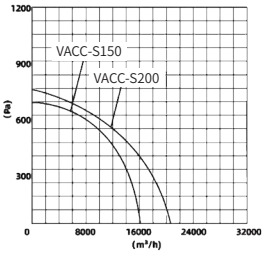
Model	Power(V/Hz)	Rate(W)	Air volume(m3/h)	Static pressure(Pa)	Noice(dB)	Weight(kg)
VACC-S20S	220V-50Hz	250	2000	430	55	28.4
VACC-S26S	220V-50Hz	370	2600	410	56	28.4
VACC-S31S	220V-50Hz	550	3100	440	61	36.0
VACC-S41S	220V-50Hz	750	4100	460	65	36.0
VACC-S20	380V-50Hz	250	2000	430	55	28.4
VACC-S26	380V-50Hz	370	2600	410	56	28.4
VACC-S31	380V-50Hz	550	3100	440	61	36.0
VACC-S41	380V-50Hz	750	4100	460	65	36.0
VACC-S51	380V-50Hz	750	5100	400	67	55.8
VACC-S61	380V-50Hz	1100	6100	410	68	55.8
VACC-S71	380V-50Hz	1100	7100	440	67	62.6
VACC-S81	380V-50Hz	1500	8100	461	69	68.4
VACC-S100	380V-50Hz	2200	10000	551	70	84.0
VACC-S120	380V-50Hz	2500	12000	591	71	87.8
VACC-S150	380V-50Hz	3000	15000	700	75	115.0
VACC-S200	380V-50Hz	4000	20000	725	77	1268
VACC-S250	380V-50Hz	5500	25000	740	79	128.2

• Performance curve









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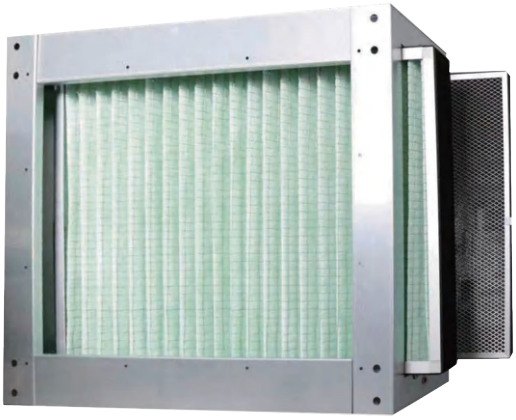
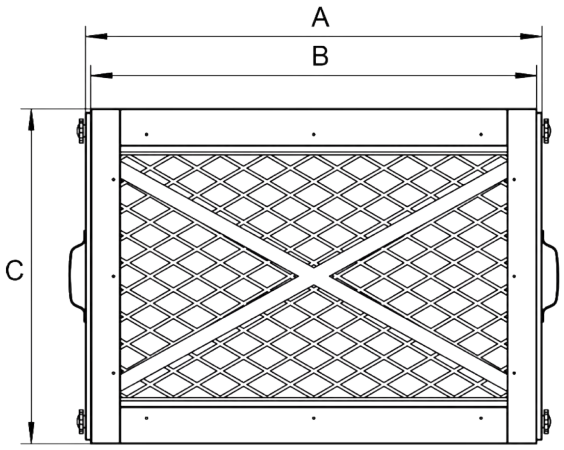
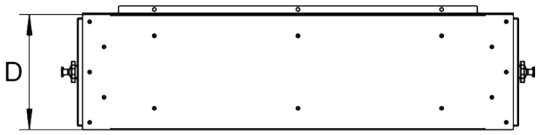
VACFC

Air Conditioning Filter Cabinet



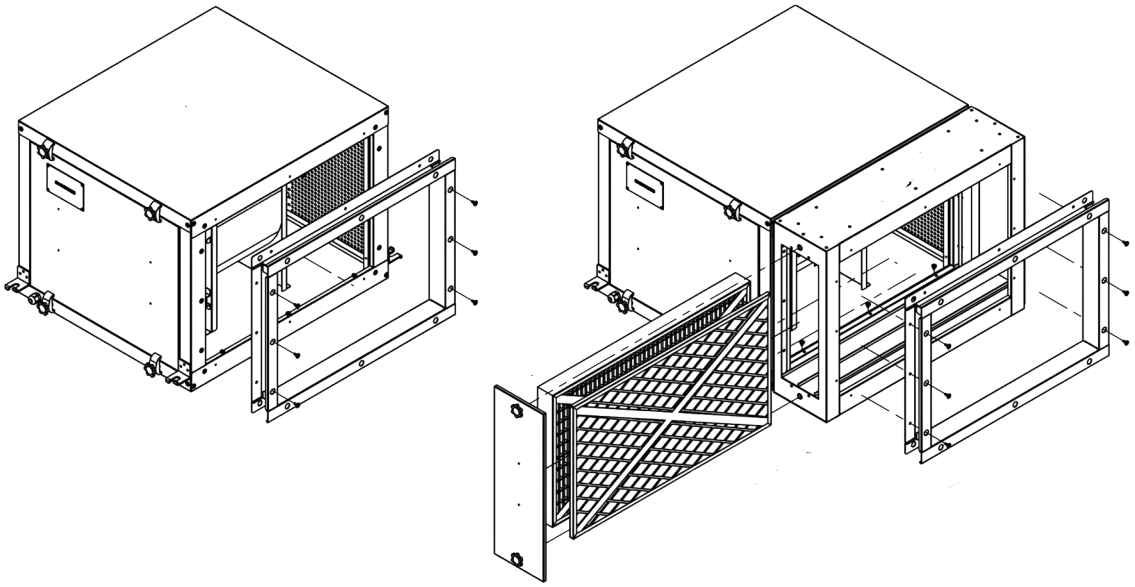




• Size and Weight table (mm)

Model	A	B	C	D	Application	Medium Filter	Primary Filter	Weight (kg)
VACFC-31/41	614	600	450	160	VACC-31S/41S	600x346x46	600x348x10	8.0
VACFC-51/61	759	745	535	160	VACC-51/61	745x431x46	745x433x10	10.4
VACFC-71/81	714	700	600	160	VACC-71/81	700x496x46	700x498x10	11.2
VACFC-100	799	785	667	160	VACC-100	785x563x46	785x565x10	12.4
VACFC-120	899	885	667	160	VACC-120	885x563x46	885x565x10	13.8

• Installation diagram



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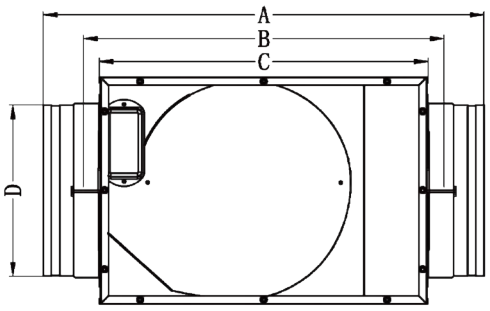
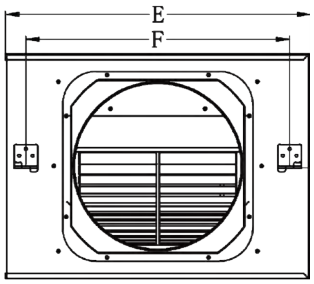
VDF
Duct Fan





• Size Table (mm)

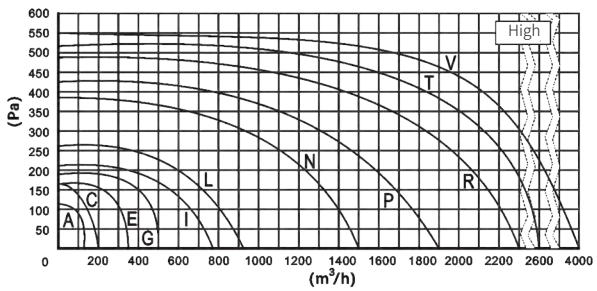
Model	A	B	C	ΦD	E	F	G	H
VDF-10-12	461	386	340	95	241	200	92	201
VDF-10-20	461	386	340	95	241	200	92	201
VDF-15-36	537	436	390	147	273	232	112	241
VDF-15-50	537	436	390	147	273	232	132	281
VDF-20-77	559	466	420	197	343	302	132	281
VDF-20-92	629	536	490	197	371	331	152	320
VDF-20-150	659	566	520	197	401	360	175	366
VDF-25-190	758	641	595	247	405	364	183	382
VDF-25-230	758	641	595	247	405	364	183	382
VDF-25-260	758	641	595	247	405	364	183	382
VDF-30-400	687	602	560	300	551	475	183	486

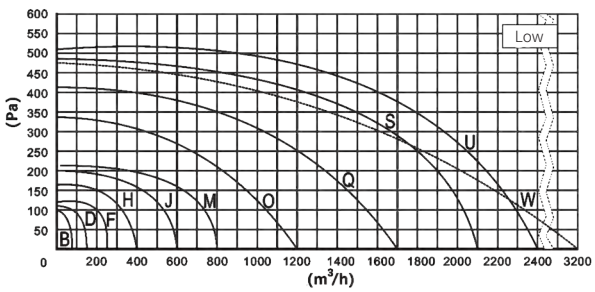
• Performance data

Model	Power (V/Hz)	Position	Rate (W)	Air Volume (m3/h)	Static Pressure (Pa)	Noice (dB)	Weight (kg)	Duct size (mm)
VDF-10-12	220/50	High	20	120	120	20	6.8	φ95
		Low	18	80	100	18		
VDF-10-20	220/50	High	32	200	160	23	6.8	φ95
		Low	21	150	110	20		
VDF-15-36	220/50	High	60	360	160	27	9.2	Φ147
		Low	45	250	120	23		
VDF-15-50	220/50	High	80	500	190	29	10.6	φ147
		Low	75	400	165	27		
VDF-20-77	220/50	High	95	770	210	35	11.6	φ197
		Low	85	600	200	29		
VDF-20-92	220/50	High	140	920	260	37	16.2	φ197
		Low	130	800	220	35		
VDF-20-150	220/50	High	225	1500	380	43	19.2	φ197
		Low	200	1200	340	39		
VDF-25-190	220/50	High	350	1900	430	45	23.8	φ247
		Low	270	1700	420	43		
VDF-25-230	220/50	High	400	2300	490	46	23.8	φ247
		Low	330	2100	480	45		
VDF-25-260	220/50	High	550	2600	530	47	23.8	φ247
		Low	450	2400	510	45		
VDF-30-400	220/50	High	650	4000	550	49	312	φ297
		Low	620	3200	470	47		

Model	High	Low
VDF-10-12	A	B
VDF-10-20	C	D
VDF-15-36	E	F
VDF-15-50	G	H
VDF-20-77	I	J
VDF-20-92	L	M
VDF-20-150	N	O
VDF-25-190	P	Q
VDF-25-230	R	S
VDF-25-260	T	U
VDF-30-400	V	W

• Performance Curve





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Fresh Air System

VFAC01

Compact Fresh Air Unit

- **Comprehensive Filtration and Purification**
  Achieves a 99% purification rate for PM2.5, and removes odors and kills bacteria.

- **Ultra-thin Body Design**
  The overall thickness is as low as 125 mm, saving installation space.

- **Wide Range of Application Scenarios**
  Can continuously deliver fresh air for 24 hours according to the needs of different places.

- **High-performance Pure Copper Motor**
  Equipped with a high–quality ball bearing motor, featuring low noise and high performance.

Model	A	B	C	D	E
VFAC01-230	400	120	400	578	98
VFAC01-350	400	200	400	578	145
VFAC01-500	400	200	400	578	145
VFAC01-920	400	250	400	578	145
VFAC01-1200	400	250	400	578	195

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Model	Power (V~Hz)	Settings	Rate (W)	Air Volume (m3/h)	Static Pressure (Pa)	Noise (dB)	Weight (kg)
VFAC01-230	220/50	High	45	230	192	24	8.8
		Low	30	180	170	21	
VFAC01-350	220/50	High	60	350	240	31	10.6
		Low	45	250	220	25	
VFAC01-500	220/50	High	75	500	270	35	11
		Low	55	420	250	28	
VFAC01-920	220/50	High	85	920	365	42	12.4
		Low	75	700	300	38	
VFAC01-1200	220/50	High	130	1200	382	45	12.6
		Low	115	1050	376	43	

VFAC02
Compact Fresh Air Unit

- **Comprehensive Filtration and Purification**
  Achieves a 99% purification rate for PM2.5, and removes odors and kills bacteria.
- **Ultra-thin Body Design**
  The overall thickness is as low as 125 mm, saving installation space.
- **Wide Range of Application Scenarios**
  Can continuously deliver fresh air for 24 hours according to the needs of different places.
- **High-performance Pure Copper Motor**
  Equipped with a high–quality ball bearing motor, featuring low noise and high performance.

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Model	A	B	C	D	E
VFAC01-230	400	120	400	578	98
VFAC01-350	400	200	400	578	145
VFAC01-500	400	200	400	578	145
VFAC01-920	400	250	400	578	145
VFAC01-1200	400	250	400	578	195

Model	Power (V~Hz)	Settings	Rate (W)	Air Volume (m3/h)	Static Pressure (Pa)	Noise (dB)	Weight (kg)
VFAC01-230	220/50	High	45	230	192	24	8.8
		Low	30	180	170	21	
VFAC01-350	220/50	High	60	350	240	31	10.6
		Low	45	250	220	25	
VFAC01-500	220/50	High	75	500	270	35	11
		Low	55	420	250	28	
VFAC01-920	220/50	High	85	920	365	42	12.4
		Low	75	700	300	38	
VFAC01-1200	220/50	High	130	1200	382	45	12.6
		Low	115	1050	376	43	

VFAR01
Fresh Air Unit

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• Fresh air replacement

Fresh air 24 hours a day

• High-efficiency energy recovery

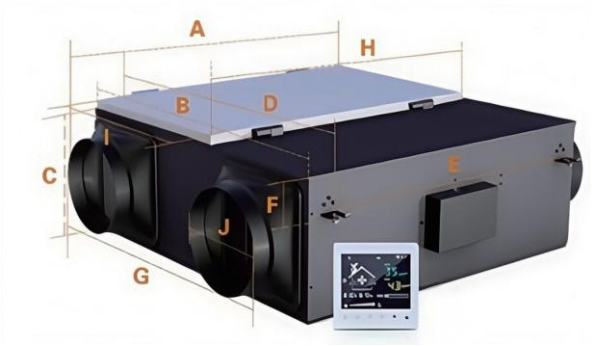
Graphene exchange core, made of a graphene–modified antibacterial water–permeable functional polymer membrane, which is a polymer composite material composed of graphene and other materials with special properties. It realizes the heat energy exchange between fresh air and exhaust air through pollution–free heat recovery technology, reducing the indoor temperature loss caused by ventilation. In winter, it retains heat, and in summer, it retains cold. The heat recovery efficiency is as high as 73%.

• Multiple filtration and purification

PM2.5 purification rate reaches 99%

• Energy-saving

Reduce energy loss to achieve energy–saving effect



Model	A	B	C	D	E	F	G	H	I	J
VFAR01-150	861	785	180	750	596	70	497	450	420	98
VFAC01-250	861	785	225	750	596	66	496	450	420	145
VFAC01-350	861	785	225	750	596	66	496	450	420	145
VFAC01-500	861	785	225	750	596	66	496	450	420	145

Model	Power (V~Hz)	Settings	Rate (W)	Air Volume (m^3/h)	Static Pressure (Pa)	Noise (dB)	Temp. exchange Efficiency		Enthalpy exchange Efficiency	
							Cooling	Heating	Cooling	Heating
VFAR01-150	220/50	High	70	150	170	37	64%	78%	65%	69%
		Low	60	100	130	35	65%	79%	64%	73%
VFAC01-250	220/50	High	85	250	180	41	63%	77%	63%	69%
		Low	65	180	160	39	65%	81%	64%	68%
VFAC01-350	220/50	High	160	350	230	41	63%	77%	63%	69%
		Low	140	250	175	39	65%	81%	64%	68%
VFAC01-500	220/50	High	200	500	250	42	62%	70%	62%	66%
		Low	180	400	200	40	60%	71%	63%	68%

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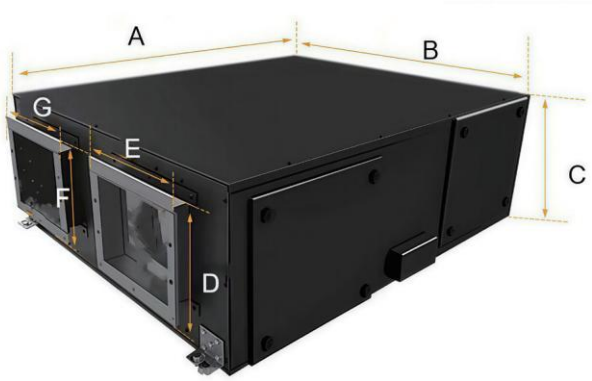
VFAR02
Fresh Air Unit

Large air volumes from 1000~3000 m^3/h



Model	A	B	C	D	E	F	G
VFAR02-1000	1168	731	366	200	200	200	200
VFAR02-1500	1168	737	382	250	250	250	250
VFAR02-2000	1223	837	382	200	250	200	250
VFAR02-2500	1370	1244	500	280	280	350	420
VFAR02-3000	1370	1244	500	280	280	350	420

Model	Power (V~Hz)	Settings	Rate (W)	Air Volume (m^3/h)	Static Pressure (Pa)	Noise (dB)	Temp. exchange Efficiency		Enthalpy exchange Efficiency	
							Cooling	Heating	Cooling	Heating
VFAR02-1000	220/50	High	600	1000	245	45	64%	71%	62%	66%
		Low	500	800						
VFAR02-1500	220/50	High	1100	1500	265	47	62%	72%	65%	64%
		Low	900	1200						
VFAR02-2000	220/50	High	1500	2000	270	49	63%	73%	63%	68%
		Low	1200	1680						
VFAR02-2500	220/50	/	1600	2500	260	52	64%	69%	64%	67%
VFAR02-3000	220/50	/	2000	3000	275	54	67%	68%	61%	65%

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Air cooled direct expansion Air handling unit

Ventech ZK-D series direct expansion Air handling unit,is our latest air-cooled direct expansion technology and air treatment technology combined high-tech products.It is especially suitable for medical and health biopharmaceutical, microelectronics,automobile manufacturing,experimental research,food processing,schools and other applications with special needs.The air handling part can also be further designed according to the actual process requirements.

• Double sandwich panel

The panel of the box adopts double panels,and the middle is filled with efficient polyurethane temperature rataining material, the thermal conductivity s ess than 0.03W/m.k,and the charging densityis as high as 50kg/m3.

• Box

Aluminum alloy box,completely eliminate cold bridge,double anti-corrosion,strength in line with the European EN1886 standard,up to D1 and so on,

• Three-dimensional interlock frame structure

Adopt unique patent technology three-dimensional interlock structure,good sealingair leakage rate to EN1886 L1 level.

• No leakage access door

The overall foam mokling of the access door has high strength, and the inside is equipped with a safety pressure relief device to ensure the safe operation when the access door is opened.

• Environmentally friendly refrigerant

The use of R410A environmental refrigerant,high energy efficiency and no chlorine elements,no damage to the ozone layer,global warming potential (GWP)less than 0.2.

• High efficiency compressor

According to the cooling capacity of the unit to match different compressor,rotor compressor and sorollcompressor

• High efficiency silent axial flow fan

Using CFD technology to optimize the design of large Angle muiti-airfoll dle-cast aluminum impeller,small heat,service life.

• Electronic expansion valve

Adopt high-precision electronic expansion valverefrigerant flow adjustment precision.

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Three-dimensional interlock patent structure with independent patents,multiple effective seals,ultra- low air leakage rate.The inner surface of the box is smooth and smooth,the box is evenly sealed with foam,no holes and no bacteria,and there are many optional functional sections.

Professional functional segment customized	Fast and convenient installation
Unique patent box structure,superior performance	Flexible structure and various types
High efficiency fltration to ensure the cleanliness of the air supply	Sterilization and disinfection,prevent microbial infection
Advanced design,higher heat transfer efficiency	Low noisereliable operation

• Air cooled common combined air conditioning unit technical parameter table

Model	Indoor unit		-H	ZKD 813	ZKD1017	ZKD1017	ZKD1218	ZKD1220	ZKD1420	ZKD1420	ZKD1624	ZKD1923	ZKD2126	ZKD2428
	Outdoor unlt		KAO-	100K2C(R)	120K2C(R)	160K2C(R)	200K2C(R)	240K2C(R)	300K2C(R)	360K2C(R)	480K2C(R)	2*300 K2C(R)	2*360 K2C(R)	2*480 K2C(R)
Ratedcooling capacity (single cooing/heatpump)			KW	28.6	33.4	45.8	58	68	83	102	132	1711	198	266
Heat production rating (heat pump)			KW	28.8	33.9	47.4	60	69	85	103.5	137.9	182.4	207	282
Indoor unit	Airvolume		m^3/h	6100	7100	9100	11000	13000	16000	18000	25400	29900	41300	48600
	Section dimensions	wide	mm	1323	1723	1723	1823	2023	2023	2023	2423	2223	2623	2823
		high	mm	823	1023	1023	1223	1223	1423	1423	1623	1923	2123	2423
	Evaporation section length of reference section		mm	500	500	600	600	600	700	700	800	900	900	1000
	Temperature control range		-	16°C -30°C										
	Power supply		-	380V/3N-50Hz										
Outdoor unit	Compressor type		-	High effciency fuly enclosed rotor/scroll compressor										
	Throttle mode		-	Electronic expansion valve										
	Power supply		-	380V/3N-50Hz										
	compressor rated power	Refige-ration	KW	9.3	11.5	15.9	17.8	21.7	24.8	2Z9	48.7	49.7	55.7	974
		Heating	KW	8.7	10.6	14.9	172	20.6	24.1	2Z.2	48.1	48.2	54.4	96.1
	Overall dimensions (single unit)	Length	mm	1460	1460	1860	1860	1860	1900	1900	2200	1900	1900	2200
		width	mm	857	857	997	997	997	850	850	1080	850	850	1080
		High	mm	987	987	1183	1183	1183	1900	1900	2300	1900	1900	2300
	Weight		kg	250	255	500	520	540	610	620	1000	610x2	620×2	1000x2

Refrigerant	Model			R410A										
	Charge amount		kg	4x2	4.5x2	6x2	8x2	9×2	10x2	12×2	15×2	10x2	12×4	15×4
	Connection method		-	Inner machine welded /outer machine flared			Welding							
Connecting tubes	Liquid pipe	Pipe diameter	∮ mm	9.52	9.52	12.7	127	12.7	127	15.88	19.05	12.7	15.88	19.05
		Quantity	article	2	2	2	2	2	2	2	2	4	4	4
	Steam pipe	Pipe diameter	∮ mm	15.8	15.88	19.05	22.23	28.6	28.6	28.6	35	28.6	28.6	35
		Quantity	article	2	2	2	2	2	2	2	2	4	4	4
Condensate pan nozzle dlameter			DN	DN25					DN32					

• Air cooled all fresh air type combined air conditioning unit technical parameter table

Model	Indoor unit		-X	ZKD0811	ZKD0813	ZKD0815	ZKD1015	ZKD1017	ZKD1218	ZKD1220	ZKD1720	ZKD1820	ZKD1724
	Outdoor unit		KAO-	100K2CR)	120K2C(R)	160K2C(R)	200K2CR)	240K2C(R)	300K2C(R)	360K2CR)	480K2C(R)	2*300 K2C(R)	2*360 K2C(R)
System parameters	Rated cooling capacity		KW	32.3	38.3	49.5	66.9	77.5	98	114.9	155.1	200.7	232.6
	Heat production rating (heat pump)		KW	33.8	40.9	50.4	70	80	100	120	165	215	248
Indoor unit	Air volume		m^3/h	2800	3300	4300	5B00	6700	8400	9800	14000	18000	20000
	Section dimensions	wide	mm	1123	1323	1523	1523	1723	1823	2023	2023	2023	2023
		high	mm	823	823	823	1023	1023	1233	1223	1723	1823	1723
	Evaporation section length of reference section		mm	600	600	700	700	700	800	800	900	900	900
	Power supply		-	380V/3N~/50Hz									
	Compressor type		-	High efficiency fully enclosed rotor/scroll compressor									
Indoor unit	Throttle mode		-	Electronic expansion valve									
	Compressor power rating (Single cooling)		kW	9.3	11.5	15.9	17.8	21.7	24.8	27.9	48.7	49.7	55.7
	Compressor power rating (Heat pump)		kW	8.7	10.6	14.9	17.2	20.6	24.1	2Z2	48.1	48.2	54.4
	Power supply		-	380V/3N-/50Hz									
	Overall dimensions (single unit)	Length	mm	1460	1460	1860	1860	1860	1900	1900	2200	1900	1900
		width	mm	857	857	997	997	997	850	850	10B0	850	850
		High	mm	9B7	987	1183	1183	1183	1900	1900	2300	1900	1900
	Weight		kg	250	255	500	520	540	610	620	1000	610x2	620x2
Refrigerant	Model			R410A									
	Charge amount		kg	4x2	4.5x2	6x2	8x2	9x2	10x2	12x2	15x2	10x2	12x4
	Connection method			Inner machine welded/outer machine flared			Welding						
Connecting tubes	Liquid pipe	Pipe diameter	∮ mm	9.52	9.52	12.7	8x2	9x2	10x2	12x2	15x2	10x2	12x4
		Quantity	article	2	2	2	2	2	2	2	2	4	4
	Steam pipe	Pipe diameter	∮ mm	15.88	15.88	19.05	22.23	28.6	28.6	28.6	35	28.6	28.6
		Quantity	article	2	2	2	2	2	2	2	2	4	4
Condensate pan nozzle diameter			DN	DN25					DN32				

• Air cooled al fresh airtype combined air conditioning unit technical

Model	Indoor unit		-HH	ZKD0813	ZKD1017	ZKD1017	ZKD1218	ZKD1220	ZKD1420	ZKD1420	ZKD1624	ZKD1923	ZKD2126	ZKD2428
	Outdoor unit		KAO-	100K2C(R)	120K2C(R)	160K2C(R)	200K2C(R)	240K2C(R)	300K2C(R)	360K2C(R)	480K2C(R)	2*300 K2C(R)	2*360 K2C(R)	2*480 K2C(R)
System parameters	Rated cooling capacity		KW	26.2	31.8	43.5	54.6	64.6	78	95.1	123	160.3	190.2	253.6
	Heat production rating (heat pump)		KW	27.8	33.9	46.4	57.6	68	83	101.5	129	171.4	199	270
Indoor unit	Air volume		m^3/h	6100	7100	9100	11000	13000	16000	18000	25400	29900	41300	48600
	Section dimensions	wide	mm	1323	1723	1723	1823	2023	2023	2023	2423	2323	2623	2823
		high	mm	823	1023	1023	1223	1223	1423	1423	1623	1923	2123	2423
	Evaporation section length of reference section		mm	500	500	600	600	600	700	700	800	900	900	1000
	Temperature control range and accuracy		-	16~27℃ ±1℃ (heat pump heating±2℃)										
	Humidity control range and accuracy		-	45~65%±5%(heat pump heating±10%)										
	Electric heating heat		kW	18	21	27	31.5	40.5	45	54	76.5	90	120	144
	Humidifier	Type	-	Electrode type humidifier										
		Humidifer amount	kg/h	9	9	9	9	15	15	15	22	30	45	60
		Power	kW	6.75	6.75	6.75	6.75	11.25	11.25	11.25	16.5	22.5	33.75	45
		Inlet pipe diameter	DN	DN15										
	Power supply			380V/3N ～ /50Hz										
Outdoor unit	Compressor type		-	Completely enclosed scroll compressor										
	Throttle mode		-	Electronic expansion valve										
	Compressor power rating		kW	9.3	11.5	15.9	17.8	21.7	24.8	27.9	48.7	49.7	55.7	97.4
	Power supply			380V/3N ～ /50Hz										
	Overall dimensions (single unit)	Length	mm	1460	1460	1860	1860	1860	1900	1900	2200	1900	1900	2200
		Width	mm	857	857	997	997	997	850	850	1080	850	850	1080
		High	mm	987	987	1183	1183	1183	1900	1900	2300	1900	1900	2300
	Weight		kg	250	255	500	520	540	610	620	1000	610×2	620×2	1000x2
Refrigerant	Model			R410A										
	Charge amount		kg	4x2	4.5×2	6x2	8x2	9x2	10x2	12×2	15×2	10x2	12x4	15x4
Connecting tubes	Connection method			Inner machine welded /outer machine flared			Welding							
	Liquid pipe	Pipe diameter	ϕmm	9.52	9.52	12.7	12.7	12.7	12.7	15.88	19.05	12.7	15.88	19.05
		Quantity	article	2	2	2	2	2	2	2	2	4	4	4
	Steam pipe	Pipe diameter	ϕmm	15.88	15.88	19.05	22.23	28.6	28.6	28.6	35	28.6	28.6	35
			article	2	2	2	2	2	2	2	2	4	4	4

Air conditioning unit for clean operating room

Clean operating room with air conditioning unit,matching suitable and effective purification and sterilization function,smooth escort for the clean field.The product series is perfect.Now the clean workshop,operating room temperature,humidity,cleanliness,pressure gradient and air flow organization can achieve accurate control,with mature technology and rich application experience.

Three-dimensional interlock patent structure

Three-dimenslonal interlock patent structure with independent patents,multi-weight effective seal,ultra-low air leakage rate.

Flame retardant insulation

Box panel with 30~50mm thickness optional double-layer sandwich structure,insulation effect is good.

Low thermal conductivity

The themal conductvity of the panel ls less than 0.03W/m.K,and the thermal bridge factor level reaches the highest level of TB1 European standard EN1886.

Antibacterial material

The plate can choose antlibacterlal materlal, and the antibacterial rate of common bacteria is more than 99%.

Effcient fltration

Professlonal clean custom,efficlent filtatlon, ensure clean air supply,flexible structure, corvenient installation.

Box structure

Unique patent box structure,superior performance,advanced design,higher heat transfer efficiency,low noise,reliable operation.

Eight major advantages

R410A refrigerant,energy saving and environmental protection
Dc frequency conversion control cutting system
The comprehensive partial load coefficient exceeds the national level energy efficiency,and the energy-saving effect is remarkable
Centralized control to achieve accurate control of temperature and humidity
All kinds of climate environment stable operation
A variety of purification programs to meet the needs of different districts of the city purification sterilization
The structure performance of the patent box can meet the highest requirements of EN1886
5-Cloud intelligent cloud platform,control anytime,anywhere

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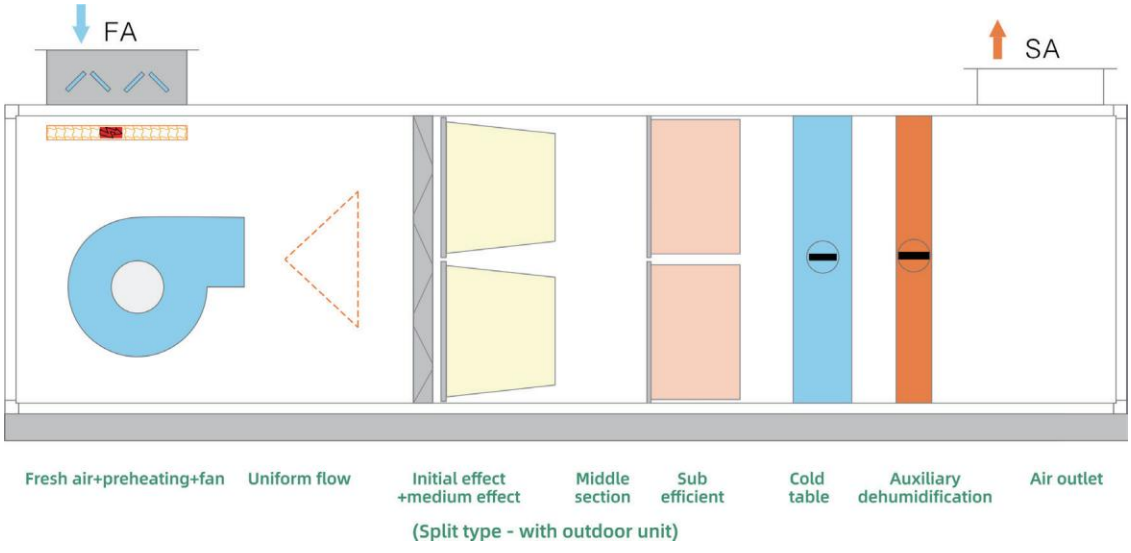
• Technical energy parameter table of double cold source type temperature and humidity independent control unit

Fresh air depth dehumidification unit

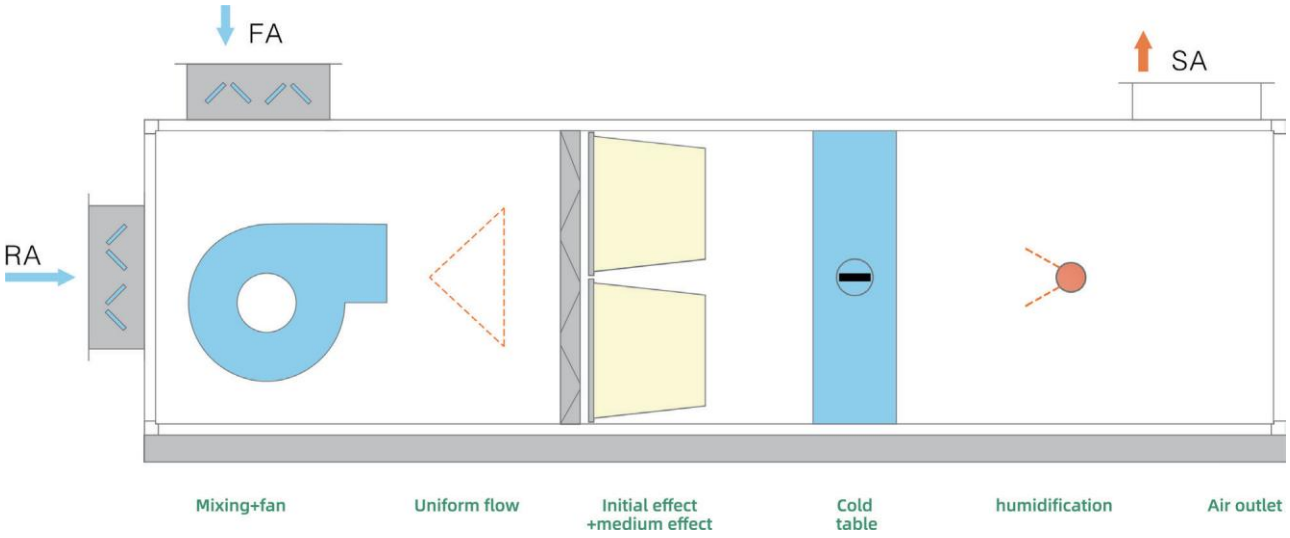
		model	KYJ001	KYJO02	KYJ002	KYJO03	KYJ004	KYJ005	KYJ006	KYJ007
		Section modulus	0611	0711	0812	1012	1012	1015	1117	1117
Overall performance	Air volume	m^3/h	1500	2000	2500	3000	4000	5000	6000	7000
	External static pressure	Pa	600	600	600	600	600	600	600	600
	Fan motor power	kW	2.2	2.2	3	3	4	5.5	5.5	7.5
	Pre heating capacity of new wind power in winter	kW	7	9	11	13	18	22	26	31
	Moisture content of air supply	—	8g/kg							
First level chilled water supply	Cooling capacity	kW	26.7	35.6	44.5	53.4	71.2	89	106.8	124.6
	discharge	m^3/h	4.6	6.1	7.7	9.2	12.2	15.3	18.4	21.4
	Water pressure drop	kPa	43.7	50.3	47.7	51.1	49.6	58.7	63.5	68.3
	Pipe Size	DN	32	40	40	40	50	50	65	65
Heating supply	Heating capacity	kW	22.4	29.9	37.4	44.9	59.8	74.8	89.7	104.7
	discharge	m^3/h	4.6	6.1	7.7	9.2	12.2	15.3	18.4	21.4
	Water pressure drop	kPa	43.7	50.3	47.7	51.1	49.6	58.7	63.5	68.3
	Pipe Size	DN	32	40	40	40	50	50	65	65
Compression condensation section	ompressor type	—	Fully enclosed scroll compressor							
	Outdoor unit model	KAO-**K2(B)	030	050	050	060	080	100	120	160
	Second stage direct expansion refrigeration capacity	kW	7.0	9.5	11.7	14.1	18.8	23.5	28.2	33.0
cryogen		—	R410A							
Functional segment		—	(preheating+fan)+uniform flow+medium efficiency+intermediate section+sub high efficiency+surface cooling(hot water)+auxiliary dehumidification+air outlet							



(Split type - with outdoor unit)

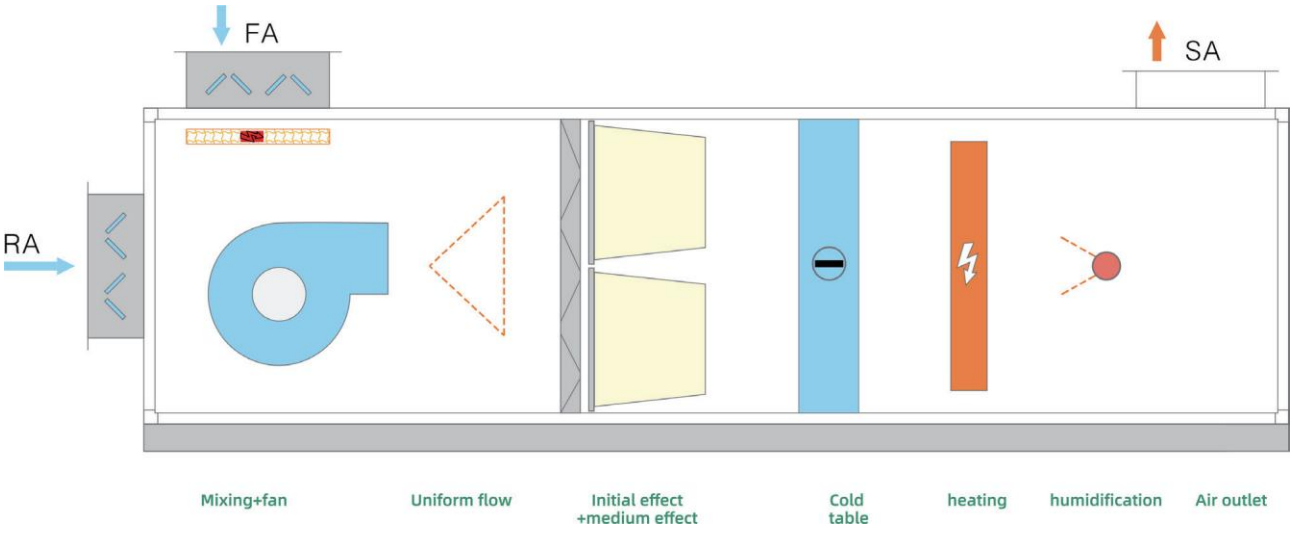
Circulating air temperature control unit

		model	KYJO03	KYJO03	KYJO04	KYJO05	KYJO07	KYJ008	KYJ010	KYJ012	KYJ014	KYJ016	KYJ019	KYJO20
		Section modulus	0710	0710	0811	0813	1113	1114	1314	1316	1417	1419	1520	1720
Overall performance	Air volume	m^3/h	2600	3300	4200	5200	6500	8500	10500	12000	14500	16500	19000	21000
	Fresh air volume	m^3/h	650	825	1050	1300	1300	2000	2000	2400	3000	3500	4000	4500
	External static pressure	Pa	650	650	650	650	650	650	650	650	650	650	650	650
	Fan motor power	kW	2.2	3	4	4	4	5.5	7.5	7.5	11	11	11	15
Cooling supply	Cooling capacity	kW	4.4	5.6	7.0	8.8	12.2	14.8	12.1	22.2	27	30.3	35	38.4
	discharge	m^3/h	0.8	1.0	1.2	1.5	2.1	2.5	2.1	3.8	4.6	5.2	6.0	6.6
	Water pressure drop	kPa	5.9	7.6	12.3	14.2	18.8	18.7	18.8	21.5	27.3	27.3	29.5	31.8
	Pipe Size	DN	20	20	20	20	25	25	25	32	32	32	40	40
Heating supply	Heating capacity	kW	4.4	5.6	7	8.8	12.2	14.8	12.1	22.2	27	30.3	35	38.4
	discharge	m^3/h	0.8	1.0	1.2	1.5	2.1	2.5	2.1	3.8	4.6	5.2	6.0	6.6
	Water pressure drop	kPa	5.9	7.6	12.3	14.2	18.8	18.7	18.8	21.5	27.3	27.3	29.5	31.8
	Pipe Size	DN	20	20	20	20	25	25	25	32	32	32	40	40
humidifi-cation	Humidification capacity	kg/h	8	8	15	15	15	25	25	30	35	40	45	45
	Humidification power	kW	6.6	6.6	11.3	11.3	11.3	11.8	18.8	22.6	26.4	30.2	33.9	33.9
Functional segment		—	(Mixing,fan)+uniform flow+medium efficiency filtration+surface cooling(hotwater)+humidification+air outlet											



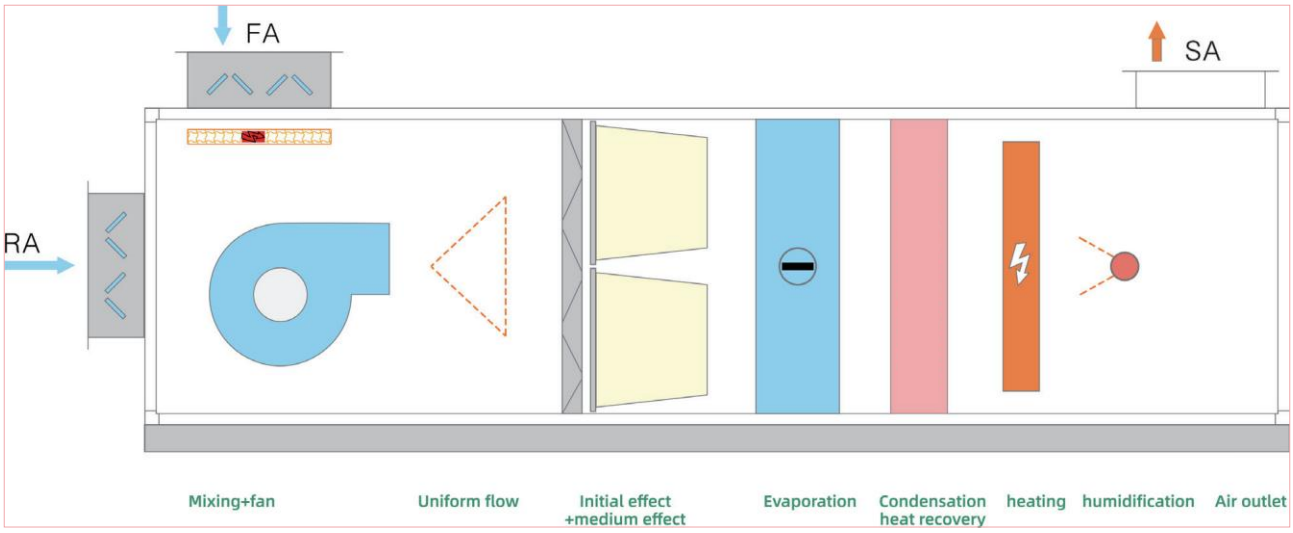
Fresh air unit-chilled water type technical energy parameter table

		model	KYJO03	KYJO03	KYJO04	KYJ005	KYJO07	KYJO08	KYJ010	KYJ012	KYJ014	KYJ016	KYJ019	KYJ020
		Section modulus	0710	0710	0811	0813	1113	1114	1314	1316	1417	1419	1520	1720
Overall performance	Air volume	m^3/h	2600	3300	4200	5200	6500	8500	10500	12000	14500	16500	19000	21000
	Fresh air volume	m^3/h	650	825	1050	1300	1300	2000	2000	2400	3000	3500	4000	4500
	External static pressure	Pa	650	650	650	650	650	650	650	650	650	650	650	650
	Electric heat	kW	7.6	9.7	12.3	15.3	19.1	24.9	30.8	35.2	42.5	48.4	55.7	61.6
	Fan motor power	kW	2.2	3	4	5.5	5.5	5.5	7.5	7.5	11	11	15	15
Cooling supply	Cooling capacity	kW	19.7	25	31.8	39.4	45	62.8	71.4	83.1	101.7	117	134.2	149.3
	discharge	m^3/h	3.4	4.3	5.5	6.8	7.7	10.8	12.3	14.3	17.5	20.1	23.1	25.7
	Water pressure drop	kPa	18.7	21.5	27.3	29.5	31.8	36.5	33.8	33.3	28.1	31.2	36.3	38.1
	Pipe Size	DN	32	32	32	40	40	50	50	50	65	65	65	65
Heating supply	Heating capacity	kW	19.7	25	31.8	39.4	45	62.8	71.4	83.1	101.7	117	134.2	149.3
	discharge	m^3/h	3.4	4.3	5.5	6.8	7.7	10.8	12.3	14.3	17.5	20.1	23.1	25.7
	Water pressure drop	kPa	18.7	21.5	27.3	29.5	31.8	36.5	33.8	33.3	28.1	31.2	36.3	38.1
	Pipe Size	DN	32	32	32	40	40	50	50	50	65	65	65	65
humidifi-cation	Humidifier form	-	Electrode type											
	Humidification capacity	kg/h	8	8	15	15	15	25	25	30	35	40	45	45
	Humidification power	kW	6.6	6.6	11.3	11.3	11.3	11.8	18.8	22.6	26.4	30.2	33.9	33.9
Functional segment		-	(Mixing,fan)+uniform flow+medium efficiency filtration+surface cooling(hotwater)+humidification+air outlet											



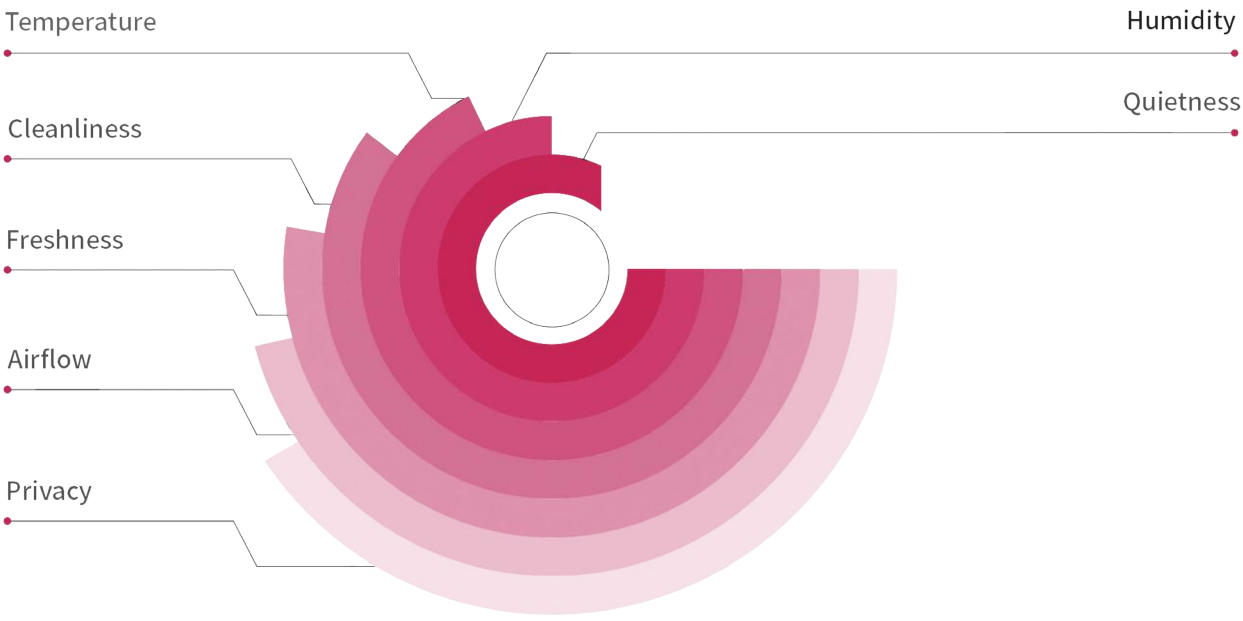
Fresh air unit -direct expansion type technical parameter table

model	Indoor unit	ZK***_D2RHMB6	002	003	004	005	007	008	010
		Section modulus	0711	0711	0811	0813	1113	1114	1315
	Outdoor unit	KAO-	080K2CB	100K2CB	120K2CB	160K2CB	200K2CB	240K2CB	100K2CB+200K2CB
Overall performance	Rated air volume	m^3/h	2600	3300	4200	5200	6500	8500	10500
	Fresh air volume	m^3/h	650	825	1050	1300	1300	2000	2000
	External static pressure	Pa	650	650	650	650	650	650	650
	Cooling capacity	kW	21.2	24.5	34.3	42.4	48.8	67.6	77.4
	Cooling input power	kW	7.6	8.3	11.8	14.6	16.6	23.2	26.1
Outdoor unit	compressor		DC variable frequency fully enclosed vortex compressor						
	Condenser fan		Low noise axial flow fan						
	Throttle method		Electronic expansion valve						
	cryogen		R410A						
Indoor unit	Functional segment		Mixing+fan+uniform flow+initial effect+medium effect+evaporation+condensation heat recovery+auxiliary electric heating+humidification+air outlet						
	Motor power	kW	2.2	3.0	4.0	5.5	5.5	5.5	7.5
	Condensation heat recovery heat	kW	9.0	11.0	14.0	18.0	22.0	29.0	35.0
	Auxiliary electric heating capacity	kW	5.0	6.0	7.0	9.0	11.0	15.0	18.0
	Humidification capacity	kg/h	8.0	8.0	15.0	15.0	15.0	25.0	25.0
	Humidification power	kW	6.0	6.0	11.3	11.3	11.3	18.8	18.8



VH

Full Intelligent Air Balance System



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Specifications

Model	VH-090	VH-180	VH-280	VH-330
Indoor Unit	VH–090/SH	VH–180/SH	VH–280/SH	VH–330/SH
Power supply	220V ~ /50Hz	220V ~ /50Hz	380V/50Hz	380V/50Hz
Input power	2.0kW	6.2kW	4.7kW	5.1kW
Air Volume	1300m³/h	3300m³/h	5000m³/h	5000m³/h
Fresh air volume	130m³/h	300m³/h	500m³/h	500m³/h
Pressure	200Pa	300Pa	300Pa	300Pa
Rated cooling capacity	9.0kW	18kW	28KW	33kW
Rated heating capacity	9.0kW	20kW	29KW	34kW
Rated Dehumidification	7.2kg/h	12.5kg/h	19.5kg/h	26kg/h
Rated Humidification	3kg/h	4kg/h	8kg/h	8kg/h
Noise	< 58dB(A)	< 61dB(A)	< 61dB(A)	< 61dB(A)
Size (WxDxH)	1415x860x300	940x780x1640	1685x790x1380	1685x790x1380
Weight	63kg	93kg	213kg	225kg
Outdoor Unit	VH–090/SW	VH–180/SW	VH–280/SW	VH–330/SW
Power supply	220V ~ /50Hz	220V ~ /50Hz	380V/50Hz	380V/50Hz
Input power	5.5kW	5.0kW	13.5kW	15kW
Rated cooling capacity	9.0kW	18kW	28kW	33kW
Rated heating capacity	9.0kW	20kW	29kW	34kW
Refrigerant	R410A	R410A	R410A	R410A
Noise	< 61dB(A)	< 68dB(A)	< 68dB(A)	< 68dB(A)
Size (WxDxH)	1030x473x742	960x450x1250	1340x445x1455	1340x445x1455
Weight	46kg	102kg	166kg	171kg

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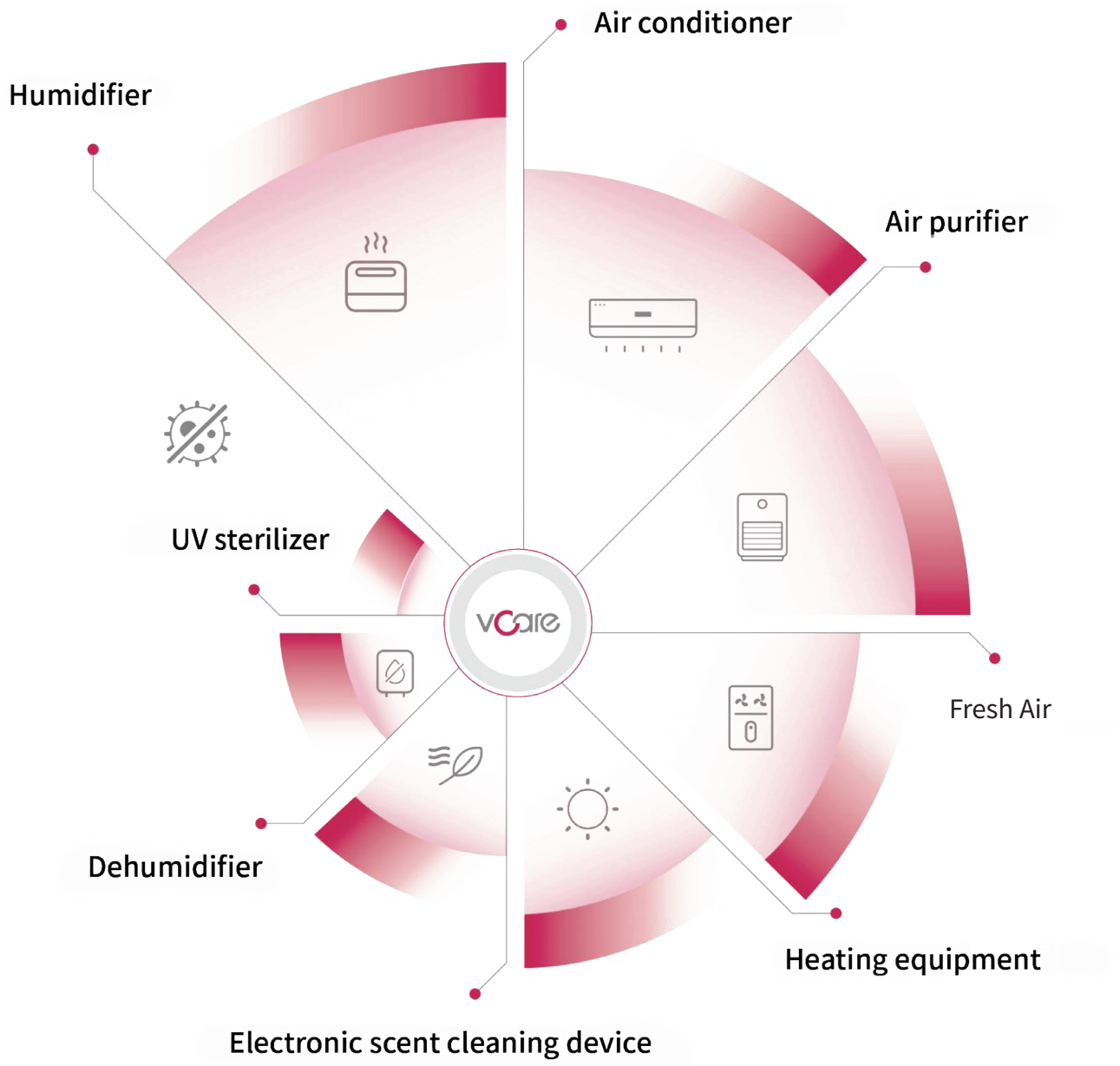
Full intelligent
Air Balance System

No need too worry about too much indoor equipment taking up valuable space anymore,
Vcare system is integrated in one machine to Relieve space pressure!Make the home more as you like.



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The advantages of Full intelligent Air Balance System.

Temperature

Intelligent induction, precise temperature adjustment, timing and remote control. Gentle air supply, avoid high temperature difference, feel more comfortable

Purify

Multiple fitation,air punification,strilization and dust removal

Wind feeling

The wind pressure and air volume are uniform, the wind is soft and not irritating, barely feel the wind

circulation

Circulate indoor and outdoor 6-8 times per hour

Wetness

Keep the humidity at 40%~70%, and keep away from wet summer and dry winter

No noise

No equipment in the room,silent operation all day Super quiet

Fresh air

Uninterrupted indoor and outdoor fresh air circulation around the clock,
Keep the air fresh

Privacy

Equipment maintenance only needs to be done in the equipment room, no need to enter the indoor private space

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Full intelligent air balance system
Pipeline layout diagram

Return air duct

Supply air duct

All-in-one integrated system

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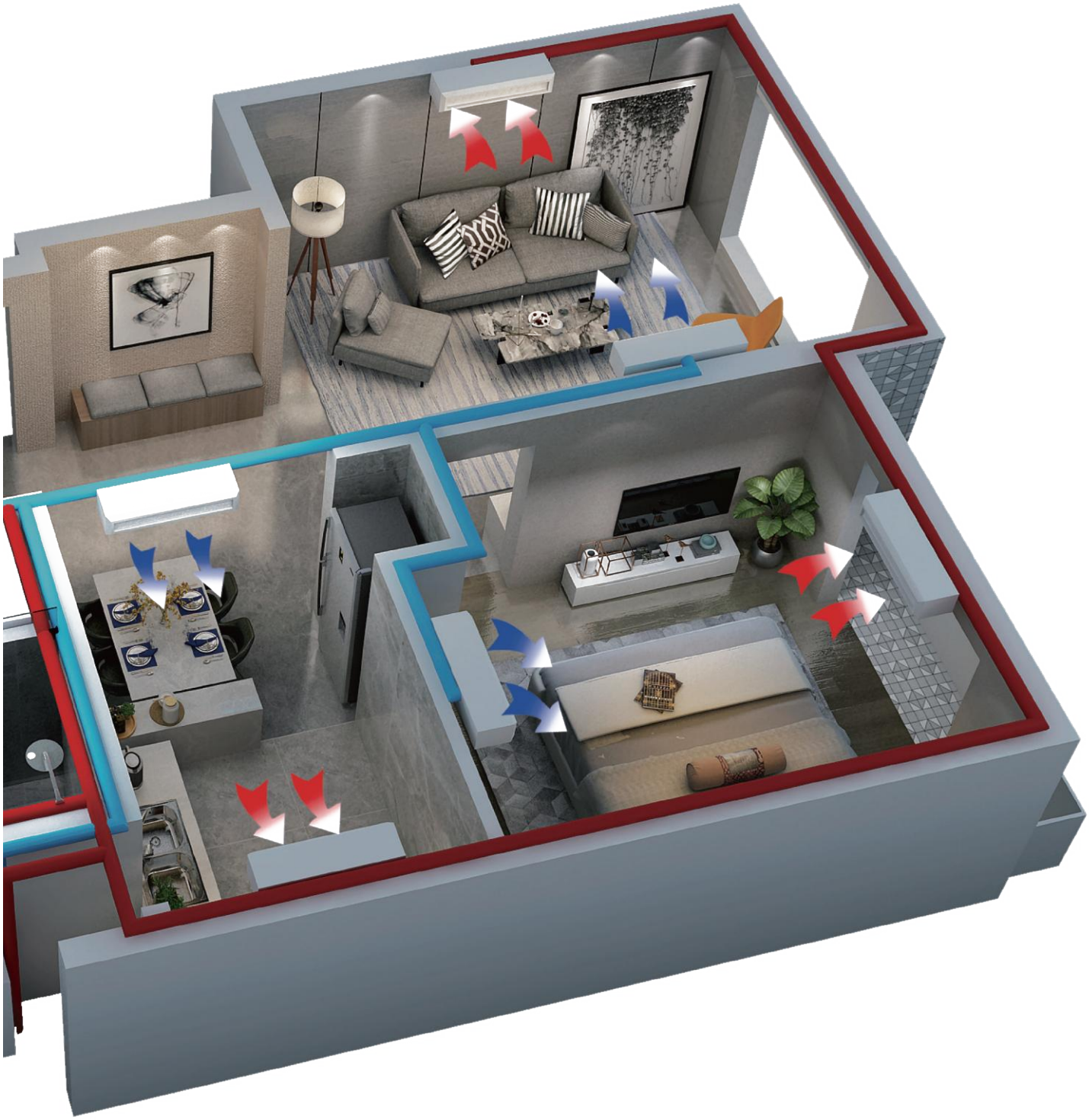

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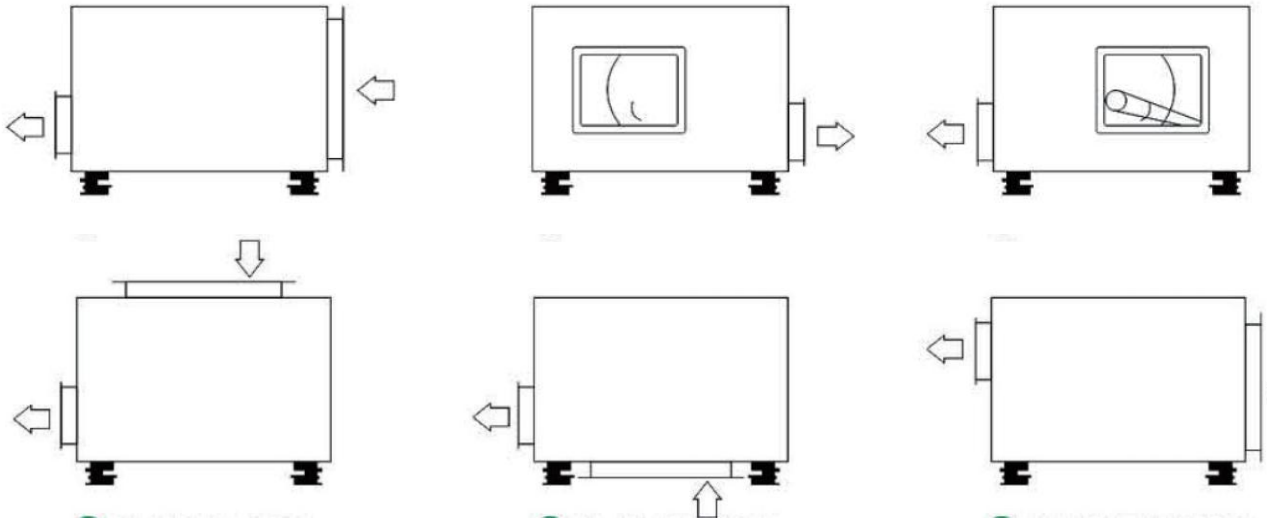
VHTFC-DT
Centrifugal Fire Smoke Exhaust Fan

VHTFC-DT-A

VHTFC-DT-B

VHTFC–DT type centrifugal fire smoke exhaust fan. The box plates are made of high–quality steel plates. The silencing structure is a double–layer sandwich structure, and fireproof and thermal insulation materials are filled inside to effectively reduce noise and vibration. It is easy to maintain, has good sealing performance, and this type of fan is widely used for ventilation, air exchange, air purification, filtration and air supply in air conditioning.

Specifications:



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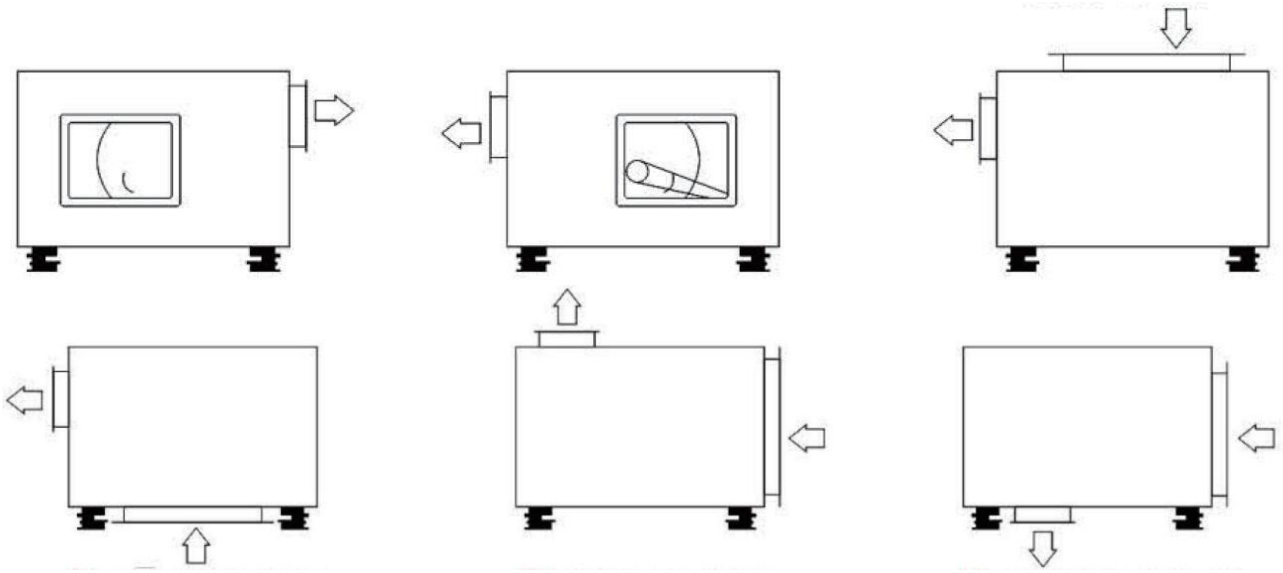
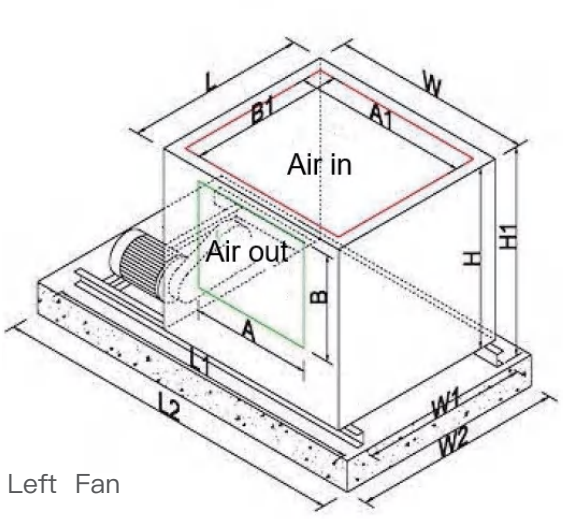
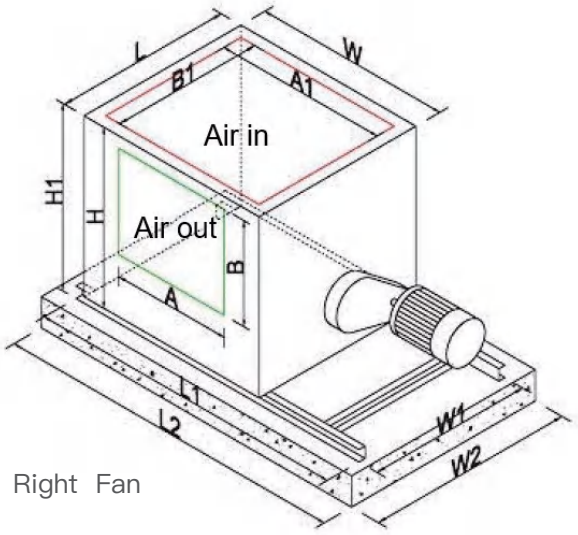


◇ VHTFC-DT-A

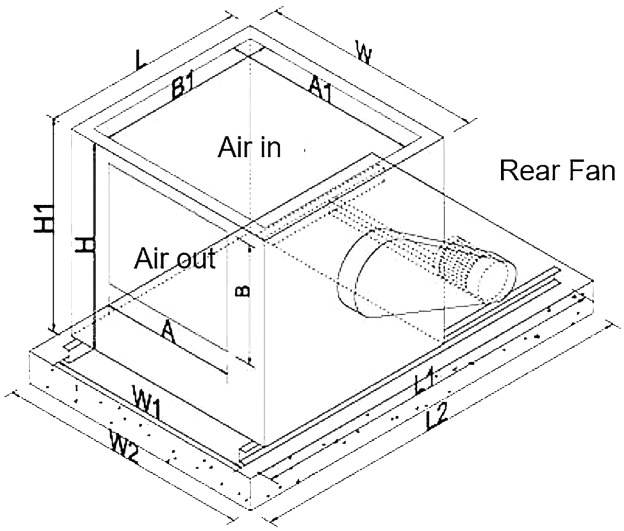


Left Fan



Right Fan

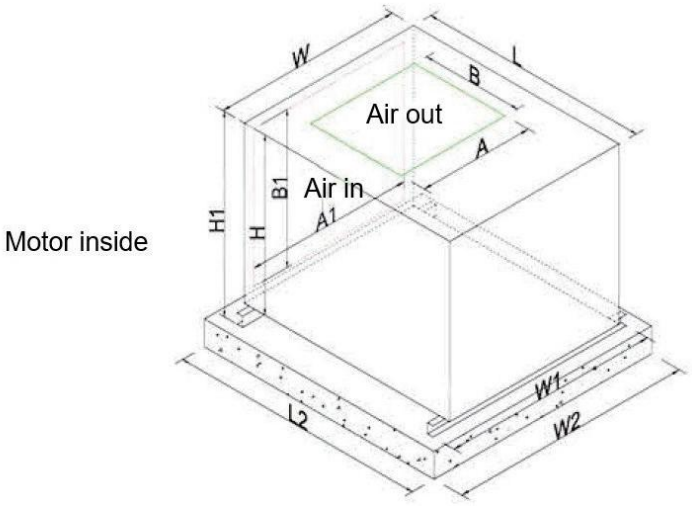
Model A1, A2	L	W	H	L1	H1	A	B	A1	B1	L2	W2
9	580	710	515	1230	575	320	265	550	355	1430	780
10	630	730	525	1310	585	350	290	570	365	1510	830
12	680	790	615	1370	675	410	345	630	455	1570	880
15	790	890	735	1480	795	470	405	730	575	1680	990
18	840	1020	840	1690	920	550	490	860	680	1890	1040
20	960	1120	960	1780	1020	620	550	960	800	1980	1160
22	1060	1170	1060	1980	1120	700	610	1010	900	2180	1260
25	1160	1294	1160	2094	1240	780	680	1134	1000	2294	1360
28	1294	1400	1294	2280	1380	860	750	1240	1134	2480	1494
30	1370	1500	1370	2390	1450	920	810	1340	1210	2590	1570
33	1400	1600	1400	2520	1480	1020	880	1440	1240	2720	1600
36	1460	1700	1460	2650	1540	1100	960	1540	1300	2850	1660



Model A3	L	W	H	L1	H1	A	B	A1	B1	L2	W2
9	580	710	515	1230	575	320	265	550	355	1430	910
10	630	730	525	1310	585	350	290	570	365	1510	930
12	680	790	615	1370	675	410	345	630	455	1570	990
15	790	890	735	1480	795	470	405	730	575	1680	1090
18	840	1020	840	1690	920	550	490	860	680	1890	1220
20	960	1120	960	1780	1020	620	550	960	800	1980	1320
22	1060	1170	1060	1980	1120	700	610	1010	900	2180	1370
25	1160	1294	1160	2094	1240	780	680	1134	1000	2294	1494
28	1294	1400	1294	2280	1380	860	750	1240	1134	2480	1600
30	1370	1500	1370	2390	1450	920	810	1340	1210	2590	1700
33	1400	1600	1400	2520	1480	1020	880	1440	1240	2720	1800
36	1460	1700	1460	2650	1540	1100	960	1540	1300	2850	1900

*flange size 30mm

◇ VHTFC-DT-B



Model B	L	W	H	L1	H1	A	B	A1	B1	L2	W2
9	910	710	515	910	575	320	265	550	355	1110	1110
10	930	730	525	930	585	350	290	570	365	1130	1130
12	1030	790	615	1030	675	410	345	630	455	1230	1190
15	1060	890	735	1060	795	470	405	730	575	1260	1290
18	1160	1020	840	1160	920	550	490	860	680	1360	1420
20	1260	1120	960	1260	1020	620	550	960	800	1460	1520
22	1400	1170	1060	1400	1120	700	610	1010	900	1600	1570
25	1550	1294	1160	1550	1240	780	680	1134	1000	1750	1700
28	1700	1400	1294	1700	1380	860	750	1240	1134	1900	1800
30	1750	1500	1370	1750	1450	920	810	1340	1210	1950	1900
33	1850	1600	1400	1850	1480	1020	880	1440	1240	2050	2000

*flange size 30mm

• Specifications (single speed):

Model	Speed (r/min)	Test Point	Air flow(m3/h)	Full Pressure(Pa)	Static Pressure(Pa)	Motor power(kw)	Noise dB(A)	Weight(kg)
DT-9	1050	1	3547	232	153	0.75	⩽ 56	114
		2	3313	253	184			
		3	3051	272	214			
		4	2749	291	243			
		5	2481	301	262	0.55		113
		6	2064	311	284			
		7	1709	316	297			
	1130	1	3817	269	177	1.1	⩽ 58	118
		2	3565	292	212			
		3	3283	315	247			
		4	2958	335	280			
		5	2670	348	303	0.75		114
		6	2221	361	330			
		7	1839	365	344			
	1220	1	4121	312	207	1.5	⩽ 59	123
		2	3848	340	247			
		3	3544	366	288			
		4	3193	391	327	1.1		118
		5	2882	406	353			
		6	2397	419	383			
		7	1984	424	399			
	1400	1	4729	410	270	2.2	⩽ 62	129
		2	4416	447	324			
		3	4066	483	379			
		4	3664	514	429	1.5		123
		5	3307	533	464			
		6	2750	552	504			
		7	2277	560	527			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-10	960	1	4556	243	161	1.1	⩽ 57	123
		2	4254	265	193			
		3	3918	286	225			
		4	3530	304	255			
		5	3186	316	276	0.75		119
		6	2650	326	298			
		7	2194	331	312			
	1050	1	4983	291	192	1.5	⩽ 59	128
		2	4653	316	230			
		3	4285	341	268			
		4	3861	363	304			
		5	3485	377	329	1.1		123
		6	2898	391	357			
		7	2399	395	372			
	1200	1	5694	379	250	2.2	⩽ 62	134
		2	5316	411	299			
		3	4896	445	350			
		4	4412	473	396	1.5		128
		5	3982	492	429			
		6	3311	509	466			
		7	2742	516	486			
	1400	1	6642	514	339	3	⩽ 66	139
		2	6196	554	401			
		3	5712	603	474			
		4	5146	644	539	2.2		134
		5	4645	668	582			
		6	3863	691	632			
		7	3192	695	655			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-12	800	1	5895	248	163	1.1	⩽ 59	155
		2	5484	267	192			
		3	5078	276	213			
		4	4534	285	235			
		5	3983	291	252	0.75		151
		6	3191	295	270			
		7	2832	298	278			
	880	1	6490	308	204	1.5	⩽ 61	160
		2	6032	321	232			
		3	5585	333	257			
		4	4987	345	284	1.1		155
		5	4380	351	304			
		6	3510	357	327			
		7	3115	360	337			
	970	1	7154	373	247	2.2	⩽ 63	166
		2	6648	389	281			
		3	6156	405	312			
		4	5497	417	343			
		5	4828	425	368	1.5		160
		6	3869	433	396			
		7	3433	436	408			
	1080	1	7964	461	306	3	⩽ 63	171
		2	7396	476	342			
		3	6847	495	380			
		4	6119	517	425			
		5	5375	527	456	2.2		166
		6	4307	536	491			
		7	3822	541	505			
	1160	1	8554	532	352	3	⩽ 65	171
		2	7944	549	394			
		3	7361	578	445			
		4	6573	597	491	2.2		166
		5	5773	608	526			
		6	4626	618	565			
		7	4105	623	582			
	1250	1	9218	617	408	4	⩽ 67	182
		2	8567	645	465			
		3	7933	671	516			
		4	7082	692	569	3		171
		5	6221	705	610			
		6	4984	718	657			
		7	4424	723	675			
	1340	1	9881	709	469	5.5	⩽ 66	200
		2	9183	740	533			
		3	8503	769	592			
		4	7592	795	653	4		182
		5	6668	809	699			
		6	5343	824	754			
		7	4742	831	776			
	1430	1	10545	806	533	5.5	⩽ 68	200
		2	9794	837	601			
		3	9074	875	674			
		4	8096	905	744			
		5	7113	918	794	4		182
		6	5696	932	852			
		7	5060	945	882			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-15	700	1	10563	307	195	2.2	⩽ 58	186
		2	9823	328	231			
		3	9095	340	257			
		4	8121	351	285			
		5	7133	358	307	1.5		180
		6	5715	364	331			
		7	5071	367	341			
	800	1	12079	408	262	3	⩽ 61	191
		2	11219	420	294			
		3	10394	443	335			
		4	9281	458	372			
		5	8145	461	394	2.2		186
		6	6531	475	432			
		7	5790	473	439			
	880	1	13287	494	317	4	⩽ 63	202
		2	12348	516	363			
		3	11433	536	405			
		4	10208	554	450			
		5	8966	564	484	3		191
		6	7184	574	523			
		7	6375	579	538			
	960	1	14494	587	377	5.5	⩽ 65	220
		2	13470	613	432			
		3	12472	637	481			
		4	11137	658	534	4		202
		5	9781	671	575			
		6	7837	683	621			
		7	6954	687	639			
	1040	1	15696	682	436	7.5	⩽ 67	233
		2	14593	720	507			
		3	13511	748	565			
		4	12063	771	626	5.5		220
		5	10595	787	675			
		6	8484	794	722			
		7	7534	807	750			
	1120	1	16909	797	511	11	⩽ 68	279
		2	15714	834	587			
		3	14550	867	655			
		4	12992	895	726	7.5		233
		5	11410	911	781			
		6	9142	928	844			
		7	8113	935	869			
	1210	1	18268	930	596	11	⩽ 70	279
		2	16977	973	684			
		3	15719	1011	764			
		4	14035	1043	846			
		5	12327	1064	912	7.5		233
		6	9877	1083	985			
		7	8765	1091	1014			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-18	610	1	13738	296	176	3	⩽ 59	210
		2	12767	309	206			
		3	11821	321	233	2.2		205
		4	10555	332	262			
		5	9271	339	284			
		6	7428	344	309			
		7	6592	346	319			
	680	1	15314	367	219	4	⩽ 61	221
		2	14232	384	257			
		3	13178	399	289	3		210
		4	11765	411	324			
		5	10334	420	352			
		6	8281	427	383			
		7	7348	430	396			
	750	1	16890	446	266	5.5	⩽ 63	239
		2	15697	466	311			
		3	14534	485	351	4		221
		4	12970	494	388			
		5	11398	510	428			
		6	9132	519	466			
		7	8103	522	481			
	820	1	18465	532	317	7.5	⩽ 65	252
		2	17161	556	370			
		3	15890	578	419	5.5		239
		4	14188	597	470			
		5	12461	609	511			
		6	9984	619	556			
		7	8860	625	575			
	900	1	20267	641	382	7.5	⩽ 67	252
		2	18835	670	446			
		3	17440	696	504	5.5		239
		4	15571	719	566			
		5	13676	731	614			
		6	10958	746	670			
		7	9724	751	691			
	970	1	21844	743	442	11	⩽ 69	298
		2	20294	771	511			
		3	18795	808	585	7.5		252
		4	16782	835	657			
		5	14740	850	713			
		6	11810	865	777			
		7	104B1	872	803			
	1030	1	23194	838	498	15	⩽ 70	311
		2	21555	876	583			
		3	19958	911	659	11		298
		4	17820	940	740			
		5	15652	959	804			
		6	12540	975	876			
		7	11128	983	905			
	1110	1	24995	973	579	15	⩽ 72	311
		2	23230	1017	676			
		3	21508	1057	765	11		298
		4	19204	1092	859			
		5	16867	1113	933			
		6	13514	1132	1016			
		7	11992	1142	1051			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-20	630	1	19461	389	243	5.5	⩽ 63	285
		2	18086	407	281			
		3	16746	422	314			
		4	14952	436	350	4		267
		5	13133	444	378			
		6	10522	452	409			
		7	9338	455	422			
	690	1	21314	466	291	5.5	⩽ 65	285
		2	19809	487	336			
		3	18341	507	376			
		4	16375	522	419			
		5	14383	532	452	4		267
		6	11524	542	491			
		7	10227	546	506			
	740	1	22859	535	334	7.5	⩽ 66	298
		2	21244	560	387			
		3	19670	582	432			
		4	17556	594	475	5.5		285
		5	15425	611	520			
		6	12358	622	563			
		7	10967	628	581			
	810	1	25014	635	394	11	⩽ 68	344
		2	23253	670	461			
		3	21530	696	517			
		4	19223	719	577	7.5		298
		5	16884	732	622			
		6	13528	746	675			
		7	12004	751	695			
	870	1	26874	739	460	15	⩽ 70	357
		2	24975	772	531			
		3	23124	803	597	11		344
		4	20647	829	665			
		5	18134	845	718			
		6	14530	859	777			
		7	12887	861	796			
	930	1	28726	843	525	15	⩽ 71	357
		2	26697	882	607			
		3	24719	917	682			
		4	22070	947	759	11		344
		5	19385	964	820			
		6	15532	981	888			
		7	13782	990	916			
	1050	1	32433	1074	669	18.5	⩽ 74	398
		2	30142	1124	774			
		3	27908	1168	868			
		4	24918	1205	966	15		357
		5	21885	1228	1044			
		6	17535	1250	1132			
		7	15560	1260	1167			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-22	580	1	25677	363	190	7.5	⩽ 62	337
		2	24311	377	226			
		3	22722	392	260			
		4	20214	418	306	5.5		324
		5	17980	438	347			
		6	15822	449	381			
		7	13295	453	415			
	640	1	28332	440	230	11	⩽ 64	383
		2	26826	458	275			
		3	25072	477	315			
		4	22305	508	373	7.5		337
		5	19839	532	421			
		6	17459	546	464			
		7	14670	552	504			
	700	1	30989	527	275	11	⩽ 66	383
		2	29341	547	328			
		3	27422	570	376			
		4	24396	608	444			
		5	21699	636	504	7.5		337
		6	19095	653	554			
		7	16038	654	596			
	760	1	33644	621	324	15	⩽ 68	396
		2	31855	645	387			
		3	29773	672	443			
		4	26486	716	523	11		383
		5	23558	749	593			
		6	20732	770	653			
		7	17420	776	710			
	820	1	36294	715	369	18.5	⩽ 70	437
		2	34370	749	449			
		3	32124	781	515	15		396
		4	28577	832	608			
		5	25418	872	690			
		6	22368	895	759			
		7	18795	904	825			
	880	1	38956	830	432	22	⩽ 71	455
		2	36884	863	517			
		3	34473	899	593	18.5		437
		4	30662	953	695			
		5	27278	1004	794			
		6	24005	1031	875			
		7	20169	1040	950			
	940	1	41611	947	493	30	⩽ 73	515
		2	39399	985	589			
		3	36824	1026	676	22		455
		4	32758	1094	799			
		5	29137	1145	906			
		6	25641	1176	997			
		7	21545	1187	1083			
	1000	1	44268	1072	558	30	⩽ 74	515
		2	41914	1113	666			
		3	39174	1161	765			
		4	34850	1237	904	22		455
		5	30997	1296	1024			
		6	27278	1330	1128			
		7	22919	1342	1226			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-25	480	1	29869	279	132	5.5	⩽ 61	376
		2	27878	303	175			
		3	26055	326	214			
		4	23894	344	249			
		5	22051	362	281			
		6	19439	369	307	4		358
		7	16854	373	327			
	530	1	32979	340	160	7.5	⩽ 63	389
		2	30782	369	213			
		3	28769	397	260			
		4	26389	425	310			
		5	24347	440	342	5.5		376
		6	21463	449	373			
		7	18609	454	397			
	590	1	36712	420	197	11	⩽ 65	435
		2	34265	457	263			
		3	32025	491	322			
		4	29376	527	384	7.5		389
		5	27104	544	423			
		6	23893	556	462			
		7	20717	562	492			
	640	1	39824	493	231	15	⩽ 67	448
		2	37169	537	308			
		3	34739	578	378	11		435
		4	31865	619	451			
		5	29394	634	491			
		6	25917	653	542			
		7	22471	662	578			
	680	1	42313	557	261	15	⩽ 68	448
		2	39492	606	348			
		3	36910	652	427			
		4	33857	699	509	11		435
		5	31238	722	561			
		6	27537	737	612			
		7	23875	746	652			
	730	1	45423	641	299	18.5	⩽ 70	489
		2	42395	697	399			
		3	39624	750	491	15		448
		4	36345	804	587			
		5	33535	832	647			
		6	29561	849	704			
		7	25631	859	751			
	780	1	48534	732	343	22	⩽ 71	507
		2	45299	796	457			
		3	42338	856	560	18.5		489
		4	38835	918	669			
		5	35831	949	737			
		6	31587	969	804			
		7	27387	980	856			
	830	1	51645	828	387	30	⩽ 73	567
		2	48203	899	517			
		3	45051	970	634	22		507
		4	41324	1039	757			
		5	38128	1074	834			
		6	33611	1097	910			
		7	29141	1110	970			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-28	470	1	39776	375	194	11	⩽ 65	498
		2	37651	398	237			
		3	35294	422	280	7.5		452
		4	32342	440	321			
		5	28783	453	359			
		6	25097	460	388			
		7	21630	464	411			
	510	1	43160	440	228	11	⩽ 66	498
		2	40854	468	278			
		3	38298	497	330			
		4	35094	518	378			
		5	31232	533	422	7.5		452
		6	27234	541	456			
		7	23470	545	482			
	560	1	47391	530	274	15	⩽ 68	511
		2	44860	564	334			
		3	42053	598	397			
		4	38534	624	455			
		5	34295	642	508	11		498
		6	29903	651	549			
		7	25771	657	582			
	610	1	51623	628	325	22	⩽ 70	570
		2	48865	668	397			
		3	45806	708	469	18.5		552
		4	41975	740	539			
		5	37356	762	603			
		6	32572	772	651			
		7	28072	780	690			
	650	1	55008	714	369	22	⩽ 72	570
		2	52069	759	450			
		3	48810	804	533			
		4	44727	840	612	18.5		552
		5	39806	865	684			
		6	34709	877	740			
		7	29912	884	782			
	700	1	59238	827	427	30	⩽ 73	630
		2	56075	879	521			
		3	52565	933	618			
		4	48167	974	711	22		570
		5	42867	1003	794			
		6	37378	1016	857			
		7	32213	1025	906			
	740	1	62623	923	476	37	⩽ 74	675
		2	59279	983	582			
		3	55569	1042	690	30		630
		4	50919	1087	792			
		5	45316	1120	886			
		6	39514	1135	957			
		7	34053	1146	1014			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-30	400	1	44161	316	181	11	⩽ 64	570
		2	41704	355	234			
		3	39249	384	277	7.5		524
		4	36794	399	306			
		5	34337	410	328			
		6	31882	414	344			
		7	29427	418	358			
	450	1	49680	399	228	15	⩽ 66	583
		2	46917	449	297			
		3	44155	486	350	11		570
		4	41393	506	387			
		5	38629	518	414			
		6	35867	525	435			
		7	33105	527	451			
	480	1	52992	454	259	15	⩽ 67	583
		2	50045	510	335			
		3	47098	553	399			
		4	44152	575	440			
		5	41205	589	471			
		6	38258	596	494	11		570
		7	35311	599	512			
	520	1	57408	532	303	18.5	⩽ 69	624
		2	54215	598	394			
		3	51023	648	467			
		4	47830	675	516			
		5	44638	691	552	15		583
		6	41446	699	579			
		7	38247	701	595			
	570	1	62926	639	364	30	⩽ 71	702
		2	59428	718	472			
		3	55929	777	560	22		642
		4	52429	810	619			
		5	48930	829	663			
		6	45430	839	695			
		7	41932	844	722			
	610	1	67342	732	417	30	⩽ 73	702
		2	63598	822	540			
		3	59852	890	641			
		4	56108	927	709			
		5	52364	950	760			
		6	48618	961	797	22		642
		7	44874	966	826			
	650	1	71758	830	472	45	⩽ 74	782
		2	67768	933	614			
		3	63777	1010	727	30		702
		4	59787	1053	804			
		5	55796	1078	861			
		6	51807	1091	904			
		7	47817	1097	938			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-33	400	1	52967	357	232	15	⩽ 64	727
		2	50022	399	289	11		714
		3	47077	434	335			
		4	44132	451	365			
		5	41186	463	388			
		6	38235	461	396			
		7	35295	471	415			
	450	1	59588	451	293	18.5	⩽ 67	768
		2	56275	506	365	15		727
		3	52962	548	424			
		4	49647	571	461			
		5	46334	585	490			
		6	43021	592	509			
		7	39707	595	525			
	480	1	63561	513	333	22	⩽ 68	786
		2	60026	575	415	18.5		768
		3	56492	623	481			
		4	52957	649	524			
		5	49423	665	556			
		6	45888	673	579			
		7	42354	677	597			
	520	1	68851	595	384	30	⩽ 70	846
		2	65029	675	487	22		786
		3	61199	731	564			
		4	57370	761	615			
		5	53541	780	652			
		6	49712	788	678			
		7	45883	794	699			
	570	1	75478	721	468	37	⩽ 72	891
		2	71284	810	584	30		846
		3	67084	877	677			
		4	62887	915	739			
		5	58689	936	783			
		6	54492	947	815			
		7	50295	952	840			
	610	1	80774	826	536	37	⩽ 73	891
		2	76283	927	669	30		846
		3	71791	1004	776			
		4	67299	1046	845			
		5	62807	1072	897			
		6	58316	1084	933			
		7	53824	1091	962			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-36	400	1	61304	380	273	15	⩽ 62	1015
		2	57894	426	331			
		3	54485	462	378			
		4	51077	481	407	11		1002
		5	47667	493	429			
		6	44258	499	443			
		7	40844	496	449			
	450	1	69163	483	347	18.5	⩽ 65	1056
		2	65316	542	421			
		3	61471	587	480			
		4	57625	612	518	15		1015
		5	53778	626	544			
		6	49933	634	563			
		7	46086	637	577			
	480	1	75450	574	413	22	⩽ 67	1074
		2	71254	645	499			
		3	67058	699	571			
		4	62863	728	615	18.5		1056
		5	58667	745	647			
		6	54472	754	669			
		7	50275	758	686			
	520	1	81737	674	484	30	⩽ 68	1134
		2	77191	756	587			
		3	72646	818	669			
		4	68095	847	715			
		5	63555	873	759	22		1074
		6	59011	883	784			
		7	54465	889	804			
	570	1	91162	831	595	45	⩽ 71	1214
		2	86098	940	730			
		3	81029	1018	832	37		1179
		4	75958	1060	897			
		5	70889	1086	944			
		6	65819	1098	975			
		7	60743	1101	995			
	610	1	99027	987	708	55	⩽ 73	1301
		2	93520	1109	861			
		3	88008	1195	975			
		4	82506	1250	1057	45		1214
		5	76999	1281	1112			
		6	71493	1296	1151			
		7	65987	1303	1180			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-40	370	1	79779	422	241	18.5	⩽ 66	1201
		2	75343	474	313			
		3	70906	513	370			
		4	66470	534	409	15		1152
		5	62034	547	438			
		6	57597	554	460			
		7	53161	557	477			
	390	1	84091	468	268	22	⩽ 67	1223
		2	79415	526	347			
		3	74739	570	411			
		4	70062	594	454	18.5		1201
		5	65386	608	486			
		6	60710	614	510			
		7	56034	619	529			
	440	1	94872	596	340	37	⩽ 69	1349
		2	89596	668	440			
		3	84320	724	523			
		4	79045	755	577	30		1295
		5	73769	773	619			
		6	68494	782	648			
		7	63217	786	673			
	480	1	103496	708	404	45	⩽ 71	1391
		2	97742	796	524			
		3	91986	862	621			
		4	86230	897	686	37		1349
		5	80475	919	735			
		6	74720	930	771			
		7	68964	935	799			
	510	1	109965	799	456	55	⩽ 73	1495
		2	103849	897	591			
		3	97735	972	699			
		4	91619	1013	774	45		1391
		5	85504	1037	829			
		6	79390	1048	869			
		7	73268	1049	896			
	560	1	120745	963	549	75	⩽ 75	1645
		2	114030	1081	712			
		3	107316	1170	843			
		4	100596	1214	927	55		1495
		5	93887	1249	999			
		6	87172	1264	1049			
		7	80458	1272	1088			

• Specifications (Double speeds):

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-12	720	1	5310	207	138	2.5/0.9 2.2/1.5	⩽ 56	171
		2	4936	216	156			
		3	4570	225	173			
		4	4081	231	191			
		5	3584	237	204			
		6	2872	240	220			
		7	2549	242	226			
	1080	1	7964	461	306		⩽ 65	
		2	7396	476	342			
		3	6847	495	380			
		4	6119	517	425			
		5	5375	527	456			
		6	4307	536	491			
		7	3822	541	505			
	770	1	5704	238	158	3.2/1.1 2.8/2.2	⩽ 57	182
		2	5295	242	173			
		3	4909	258	199			
		4	4383	267	220			
		5	3850	272	235			
		6	3085	276	253			
		7	2738	279	260			
	1160	1	B554	532	352		⩽ 66	
		2	7950	555	399			
		3	7361	578	445			
		4	6573	597	491			
		5	5773	608	526			
		6	4626	618	565			
		7	4105	623	582			
	960	1	6589	317	210	4.7/1.5 5.5/4	⩽ 61	213
		2	6123	331	239			
		3	5670	343	265			
		4	5063	355	292			
		5	4447	361	313			
		6	3563	368	337			
		7	3162	371	347			
	1430	1	9881	709	469		⩽ 69	
		2	9183	740	533			
		3	6503	769	592			
		4	7592	795	653			
		5	6668	809	699			
		6	5343	824	754			
		7	4742	831	776			
DT-15	540	1	8054	183	118	3.2/1.1 2.8/2.2	⩽ 57	202
		2	7485	191	135			
		3	6930	199	151			
		4	6188	205	167			
		5	5435	209	179			
		6	4355	213	194			
		7	3865	215	199			
	800	1	12079	408	262		⩽ 65	
		2	11225	426	299			
		3	10394	443	335			
		4	9281	458	372			
		5	8151	467	399			
		6	6531	475	432			
		7	5796	479	445			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-15	640	1	9664	262	169	4.7/1.5 4/3	⩽ 61	220
		2	8981	274	194			
		3	8316	285	215			
		4	7425	294	239			
		5	6521	299	257			
		6	5226	305	278			
		7	4637	307	286			
	960	1	14494	587	376		⩽ 69	
		2	13470	613	432			
		3	12472	637	481			
		4	11136	658	534			
		5	9781	671	575			
		6	7837	683	621			
		7	6954	687	639			
	700	1	10469	308	198	6.7/2.2 5.5/4	⩽ 62	233
		2	9730	322	227			
		3	9009	334	253			
		4	8043	344	280			
		5	7059	345	296			
		6	5661	357	325			
		7	5023	360	335			
	1040	1	15696	682	436		⩽ 71	
		2	14593	720	507			
		3	13511	748	565			
		4	12063	771	626			
		5	10595	787	675			
		6	8490	799	728			
		7	7534	807	750			
	750	1	11274	356	229	9.5/3.1 8/6.5	⩽ 64	279
		2	10477	372	263			
		3	9695	381	287			
		4	8662	399	324			
		5	7608	407	349			
		6	6096	414	377			
		7	5410	417	388			
	1120	1	16909	797	511		⩽ 73	
		2	15714	834	587			
		3	14550	867	655			
		4	12992	895	726			
		5	11410	911	781			
		6	9142	928	844			
		7	8113	935	869			
DT-18	500	1	11261	199	120	4.7/1.5 4/3	⩽ 59	239
		2	10465	209	140			
		3	9690	217	158			
		4	8652	224	177			
		5	7599	228	192			
		6	6089	232	209			
		7	5403	234	215			
	750	1	16890	446	266		⩽ 68	
		2	15697	466	311			
		3	14534	485	351			
		4	12976	499	394			
		5	11398	510	428			
		6	9132	519	466			
		7	8103	522	481			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-18	600	1	13512	287	171	6.7/2.2 5.5/4	⩽ 63	252
		2	12558	299	199			
		3	11628	311	226			
		4	10382	321	253			
		5	9118	327	275			
		6	7306	333	299			
		7	6483	335	309			
	900	1	20267	641	382		⩽ 72	
		2	18835	670	446			
		3	17440	696	504			
		4	15571	719	566			
		5	13676	732	614			
		6	10958	746	670			
		7	9724	751	691			
	680	1	15195	356	210	6.5/3.2	⩽ 65	298
		2	14127	378	252			
		3	13081	393	285			
		4	11679	406	320			
		5	10258	413	347			
		6	8219	421	378			
		7	7294	424	390			
	900	1	20267	641	382		⩽ 72	
		2	18835	670	446			
		3	17440	696	504			
		4	15571	719	566			
		5	13676	732	614			
		6	10958	746	670			
		7	9724	751	691			
	690	1	15464	374	223	12/4 11/9	⩽ 66	311
		2	14371	391	261			
		3	13306	406	295			
		4	11881	420	331			
		5	10435	428	359			
		6	8361	435	391			
		7	7420	439	404			
	1030	1	23194	838	498		⩽ 75	
		2	21555	876	583			
		3	19958	911	659			
		4	17820	940	740			
		5	15652	959	804			
		6	12543	975	876			
		7	11128	983	905			
DT-20	460	1	14211	209	131	6.7/2.2 5.5/4	⩽ 60	298
		2	13207	218	151			
		3	12228	226	169			
		4	10918	234	188			
		5	9590	238	203			
		6	7684	243	220			
		7	6819	245	227			
	690	1	21314	467	291		⩽ 69	
		2	19809	487	336			
		3	18341	506	376			
		4	16375	522	419			
		5	14383	532	452			
		6	11524	542	491			
		7	10226	546	506			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-20	500	1	15240	240	150	9.5/3.1 8/6.5	⩽ 62	344
		2	14164	250	173			
		3	13114	260	194			
		4	11709	268	215			
		5	10284	273	233			
		6	8240	278	252			
		7	7312	281	260			
	740	1	22859	535	334		⩽ 71	
		2	21244	560	386			
		3	19670	582	432			
		4	17562	599	481			
		5	15425	611	520			
		6	12358	622	563			
		7	10967	628	581			
	580	1	17917	330	206	12/4 11/9	⩽ 65	357
		2	16651	345	238			
		3	15417	358	267			
		4	13765	370	297			
		5	12091	377	321			
		6	9687	383	347			
		7	8596	387	358			
	870	1	26874	739	460		⩽ 74	
		2	24975	772	531			
		3	23124	803	597			
		4	20647	829	665			
		5	18134	845	718			
		6	14530	859	777			
		7	12887	861	796			
	610	1	18766	362	226	9/4.5	⩽ 66	357
		2	17440	378	261			
		3	16148	393	292			
		4	14418	406	326			
		5	12663	413	351			
		6	10146	421	381			
		7	9004	424	392			
	810	1	25020	641	399		⩽ 72	
		2	23253	670	461			
		3	21530	696	517			
		4	19223	719	577			
		5	16884	732	622			
		6	13528	746	675			
		7	12004	751	695			
DT-22	430	1	18889	197	104	9.5/3.1 8/6.5	⩽ 61	383
		2	17885	205	121			
		3	16716	214	140			
		4	14871	228	170			
		5	13227	238	192			
		6	11640	244	209			
		7	9781	247	222			
	640	1	28332	440	230		⩽ 70	
		2	26826	458	269			
		3	25072	477	312			
		4	22305	508	378			
		5	19839	532	429			
		6	17459	546	466			
		7	14670	552	495			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-22	470	1	20660	236	124	12/4 11/9	⩽ 63	396
		2	19561	245	144			
		3	18283	255	167			
		4	16265	272	203			
		5	14467	284	229			
		6	12731	292	249			
		7	10697	295	265			
	700	1	30989	527	275		⩽ 72	
		2	29341	547	321			
		3	27422	570	373			
		4	24396	608	452			
		5	21699	637	512			
		6	19095	653	557			
		7	16044	660	592			
	550	1	24195	316	162	15.5/5.1 14/11	⩽ 66	437
		2	22914	335	197			
		3	21417	349	228			
		4	19052	372	276			
		5	16946	389	314			
		6	14913	399	341			
		7	12531	403	356			
	820	1	36299	721	375		⩽ 75	
		2	34370	749	439			
		3	32124	781	510			
		4	28577	832	618			
		5	25418	872	703			
		6	22368	895	764			
		7	18795	904	811			
	590	1	25972	371	194	18/6.2 16/13	⩽ 68	455
		2	24590	385	227			
		3	22983	392	263			
		4	20446	428	318			
		5	18186	448	361			
		6	16004	460	393			
		7	13447	464	416			
	880	1	38956	830	432		⩽ 77	
		2	36884	863	506			
		3	34473	899	588			
		4	30668	959	712			
		5	27278	1004	809			
		6	24005	1025	880			
		7	20169	1040	933			
	630	1	27742	423	221	24/8.5 22/18.5	⩽ 69	515
		2	26267	439	258			
		3	24550	458	299			
		4	21840	488	363			
		5	19426	510	411			
		6	17095	524	447			
		7	14364	529	475			
	940	1	41611	947	493		⩽ 78	
		2	39399	985	577			
		3	36824	1026	670			
		4	32758	1094	812			
		5	29137	1145	922			
		6	25641	1176	1003			
		7	21545	1187	1065			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-22	570	1	25234	350	184	13/6.5	⩽ 67	455
		2	23892	364	214			
		3	22331	379	248			
		4	19866	404	299			
		5	17669	423	341			
		6	15550	434	371			
		7	13066	438	393			
	760	1	33644	621	324		⩽ 74	
		2	31855	645	378			
		3	29773	672	439			
		4	26487	716	532			
		5	23558	749	604			
		6	20732	770	657			
		7	17420	776	697			
DT-25	450	1	28209	249	118	15.5/5.1 14/11	⩽ 64	489
		2	26329	271	156			
		3	24608	291	191			
		4	22572	312	228			
		5	20826	323	251			
		6	18359	329	274			
		7	15917	333	291			
	680	1	42313	557	261		⩽ 73	
		2	39492	606	348			
		3	36910	652	427			
		4	33857	699	509			
		5	31238	722	561			
		6	27537	737	612			
		7	23875	746	652			
	520	1	32357	327	154	18/6.2 16/13	⩽ 67	507
		2	30199	354	204			
		3	28226	382	251			
		4	25891	410	299			
		5	23889	423	329			
		6	21059	432	359			
		7	18258	437	382			
	780	1	48534	732	343		⩽ 76	
		2	45299	796	457			
		3	42338	856	560			
		4	38835	918	669			
		5	35831	949	737			
		6	31587	969	804			
		7	27386	980	856			
	550	1	34431	370	174	24/8.5 22/18.5	⩽ 68	567
		2	32131	397	226			
		3	30035	433	283			
		4	27550	463	338			
		5	25420	479	372			
		6	22408	489	406			
		7	19428	495	433			
	830	1	51645	828	387		⩽ 77	
		2	48203	899	517			
		3	45051	970	634			
		4	41324	1039	757			
		5	38128	1074	834			
		6	33611	1097	910			
		7	29141	1110	970			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-25	590	1	36399	413	194	17/8.5	⩽ 69	582
		2	33975	449	258			
		3	31754	483	316			
		4	29127	518	378			
		5	26874	535	416			
		6	23691	546	454			
		7	20540	553	483			
	780	1	48534	732	343		⩽ 76	
		2	45299	796	457			
		3	42338	856	560			
		4	38835	918	669			
		5	35831	949	737			
		6	31587	969	804			
		7	27386	980	856			
	620	1	38734	467	219	21/11	⩽ 71	588
		2	36153	508	292			
		3	33789	547	358			
		4	30993	586	427			
		5	28597	606	470			
		6	25209	618	513			
		7	21856	626	547			
	830	1	51645	828	387		⩽ 77	
		2	48203	899	517			
		3	45051	970	634			
		4	41324	1039	757			
		5	38128	1074	834			
		6	33611	1097	910			
		7	29141	1110	970			
DT-28	370	1	31595	237	123	15.5/5. 14/11	⩽ 64	552
		2	29908	252	150			
		3	28036	267	178			
		4	25690	279	204			
		5	22864	287	227			
		6	19936	291	246			
		7	17182	294	260			
	560	1	47391	530	274		⩽ 73	
		2	44860	564	334			
		3	42053	598	397			
		4	38534	624	455			
		5	34295	642	508			
		6	29903	651	549			
		7	25771	657	582			
	400	1	34416	281	146	18/6.2 16/13	⩽ 66	570
		2	32578	299	178			
		3	30539	316	210			
		4	27984	330	241			
		5	24905	340	270			
		6	21716	345	291			
		7	18716	348	308			
	610	1	51623	628	325		⩽ 74	
		2	48865	668	396			
		3	45806	708	469			
		4	41975	740	539			
		5	37356	762	603			
		6	32572	772	651			
		7	28072	780	690			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-28	460	1	39493	369	191	24/8.5 22/18.5	⩽ 69	630
		2	37384	392	233			
		3	35044	417	277			
		4	32113	435	317			
		5	28579	447	355			
		6	24920	453	383			
		7	21477	457	404			
	700	1	59238	827	427		⩽ 77	
		2	56075	879	521			
		3	52565	933	618			
		4	48167	974	711			
		5	42867	1003	794			
		6	37378	1014	857			
		7	32213	1025	906			
	500	1	41750	412	213	33/11 32/26	⩽ 70	710
		2	39520	438	260			
		3	37047	465	308			
		4	33947	485	354			
		5	30212	499	395			
		6	26343	506	427			
		7	22703	511	452			
	740	1	62623	923	476		⩽ 79	
		2	59279	983	582			
		3	55569	1042	690			
		4	50919	1087	792			
		5	45316	1120	886			
		6	39514	1135	957			
		7	34053	1146	1014			
	460	1	38718	355	184	17/8.5	⩽ 68	630
		2	36650	377	224			
		3	34356	399	265			
		4	31482	417	305			
		5	28018	430	341			
		6	24430	436	368			
		7	21055	440	389			
	610	1	51623	628	325		⩽ 74	
		2	48865	668	396			
		3	45806	708	469			
		4	41975	740	539			
		5	37356	762	603			
		6	32572	772	651			
		7	28072	780	690			
	525	1	44430	467	242	21/11	⩽ 71	642
		2	42057	496	294			
		3	39424	526	349			
		4	36126	549	399			
		5	32151	566	448			
		6	28034	573	483			
		7	24161	578	511			
	700	1	59238	827	427		⩽ 77	
		2	56075	879	521			
		3	52565	933	618			
		4	48167	974	710			
		5	42867	1003	794			
		6	37378	1016	857			
		7	32213	1025	906			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-28	555	1	46968	521	269	30/15	⩽ 72	710
		2	44460	554	329			
		3	41677	587	389			
		4	38190	613	447			
		5	33988	631	499			
		6	29636	640	540			
		7	25541	646	572			
	740	1	62623	923	476		⩽ 79	
		2	59279	983	582			
		3	55569	1042	690			
		4	50919	1087	792			
		5	45316	1120	886			
		6	39514	1135	957			
		7	34053	1146	1014			
DT-30	350	1	38273	238	136	18/6.2 16/13	⩽ 65	642
		2	36144	267	177			
		3	34016	290	209			
		4	31882	296	225			
		5	29760	309	247			
		6	27631	312	259			
		7	25503	314	269			
	520	1	57408	532	303		⩽ 73	
		2	54215	598	394			
		3	51023	648	467			
		4	47830	675	516			
		5	44638	691	552			
		6	41446	699	579			
		7	38253	703	599			
	380	1	41952	286	163	24/8.5 22/18.5	⩽ 67	702
		2	39620	321	211			
		3	37287	347	251			
		4	34954	362	277			
		5	32621	370	296			
		6	30288	375	311			
		7	27956	377	323			
	570	1	62926	639	364		⩽ 75	
		2	59428	718	472			
		3	55929	777	560			
		4	52429	810	619			
		5	48930	829	663			
		6	45430	839	695			
		7	41932	844	722			
	430	1	47840	371	211	33/11 32/26	⩽ 70	702
		2	45180	416	275			
		3	42519	450	325			
		4	39859	470	359			
		5	37199	481	384			
		6	34539	486	403			
		7	31879	489	419			
	650	1	71758	830	472		⩽ 78	
		2	67768	933	614			
		3	63777	1010	727			
		4	59787	1053	804			
		5	55796	1078	861			
		6	51807	1091	904			
		7	47817	1097	938			

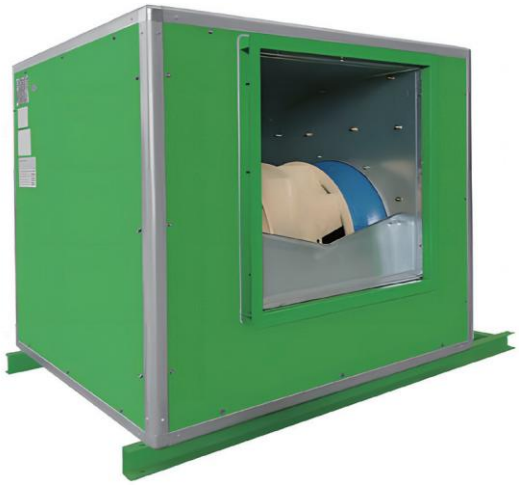
Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-30	390	1	43056	299	172	21/11	⩽ 67	782
		2	40662	338	223			
		3	38268	366	264			
		4	35874	381	282			
		5	33479	390	312			
		6	31085	394	327			
		7	28691	397	339			
	520	1	57408	532	303		⩽ 73	
		2	54215	598	394			
		3	51023	648	467			
		4	47830	675	516			
		5	44638	691	552			
		6	41446	699	579			
		7	38253	703	599			
	490	1	53820	468	267	30/15	⩽ 72	846
		2	50827	526	347			
		3	47834	569	410			
		4	44841	593	454			
		5	41848	607	486			
		6	38856	615	510			
		7	35863	618	529			
	650	1	71758	830	472		⩽ 78	
		2	67768	933	614			
		3	63777	1010	727			
		4	59787	1053	804			
		5	55796	1078	861			
		6	51807	1091	904			
		7	47817	1097	938			
DT-33	350	1	45906	269	175	24/8.5 22/18.5	⩽ 67	926
		2	43353	296	218			
		3	40799	327	252			
		4	38247	340	275			
		5	35695	348	291			
		6	33142	352	303			
		7	30590	354	313			
	520	1	68857	599	390		⩽ 75	
		2	65029	675	487			
		3	61199	731	564			
		4	57370	761	615			
		5	53541	780	652			
		6	49712	788	678			
		7	45883	794	699			
	400	1	53851	369	240	33/11 32/26	⩽ 70	1013
		2	50856	414	299			
		3	47861	448	346			
		4	44867	467	377			
		5	41872	478	399			
		6	38878	483	416			
		7	35884	486	429			
	610	1	B0777	830	540		⩽ 79	
		2	76286	930	672			
		3	71794	1007	778			
		4	67296	1043	842			
		5	62810	1075	899			
		6	58319	1087	936			
		7	53827	1094	965			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-33	430	1	57382	418	272	38/13 42/32	⩽ 71	1066
		2	54191	470	339			
		3	50999	508	393			
		4	47809	530	428			
		5	44618	543	454			
		6	41428	549	472			
		7	38237	552	487			
	650	1	86071	937	608		⩽ 80	
		2	81285	1053	759			
		3	76499	1140	880			
		4	71712	1188	959			
		5	66926	1217	1018			
		6	62140	1231	1059			
		7	57354	1237	109			
	390	1	51643	340	221	21/11	⩽ 69	846
		2	48772	381	275			
		3	45899	412	319			
		4	43028	429	347			
		5	40157	440	368			
		6	37285	445	383			
		7	34413	448	395			
	520	1	68857	599	390		⩽ 75	
		2	65029	675	487			
		3	61199	731	564			
		4	57370	761	615			
		5	53541	780	652			
		6	49712	788	678			
		7	45883	794	699			
	460	1	60582	466	303	30/15	⩽ 73	926
		2	57213	523	378			
		3	53844	566	437			
		4	50475	590	477			
		5	47106	604	506			
		6	43738	611	526			
		7	40369	615	542			
	610	1	80774	826	536		⩽ 79	
		2	76283	927	669			
		3	71791	1004	775			
		4	67299	1046	845			
		5	62807	1072	897			
		6	58316	1084	933			
		7	53824	1091	962			

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
DT-36	390	1	60780	374	269	38/13 42/32	⩽ 70	1301
		2	57399	419	325			
		3	54020	454	371			
		4	50640	473	399			
		5	47260	484	421			
		6	43880	490	435			
		7	40499	493	447			
	580	1	91168	837	599		⩽ 78	
		2	86098	940	730			
		3	81029	1018	832			
		4	75956	1060	897			
		5	70889	1086	944			
		6	65819	1098	975			
		7	60743	1101	995			
	420	1	66019	440	316	47/16 55/42	⩽ 71	1426
		2	62348	495	384			
		3	58677	535	438			
		4	55005	557	471			
		5	51334	571	496			
		6	47663	578	513			
		7	43992	581	526			
	630	1	99027	987	708		⩽ 80	
		2	93520	1109	861			
		3	88008	1195	975			
		4	82506	1250	1051			
		5	76999	1281	1112			
		6	71493	1296	1151			
		7	65987	1303	1180			
	435	1	68377	472	339	37/18	⩽ 72	1301
		2	64574	530	412			
		3	60772	574	469			
		4	56969	598	506			
		5	53168	612	532			
		6	49365	619	550			
		7	45563	623	564			
	580	1	91168	837	599		⩽ 78	
		2	86098	940	730			
		3	81029	1018	832			
		4	75958	1060	897			
		5	70889	1086	944			
		6	65819	1098	975			
		7	60749	1106	999			
	470	1	74271	556	399	45/22	⩽ 74	1426
		2	70141	625	486			
		3	66011	677	553			
		4	61880	705	596			
		5	57751	722	627			
		6	53620	730	649			
		7	49491	734	665			
	630	1	99027	987	708		⩽ 80	
		2	93520	1109	861			
		3	88008	1195	975			
		4	82506	1250	1057			
		5	76999	1281	1112			
		6	71493	1296	1151			
		7	65987	1303	1180			

VHTFB-DT
Centrifugal Fire Smoke Exhaust Fan

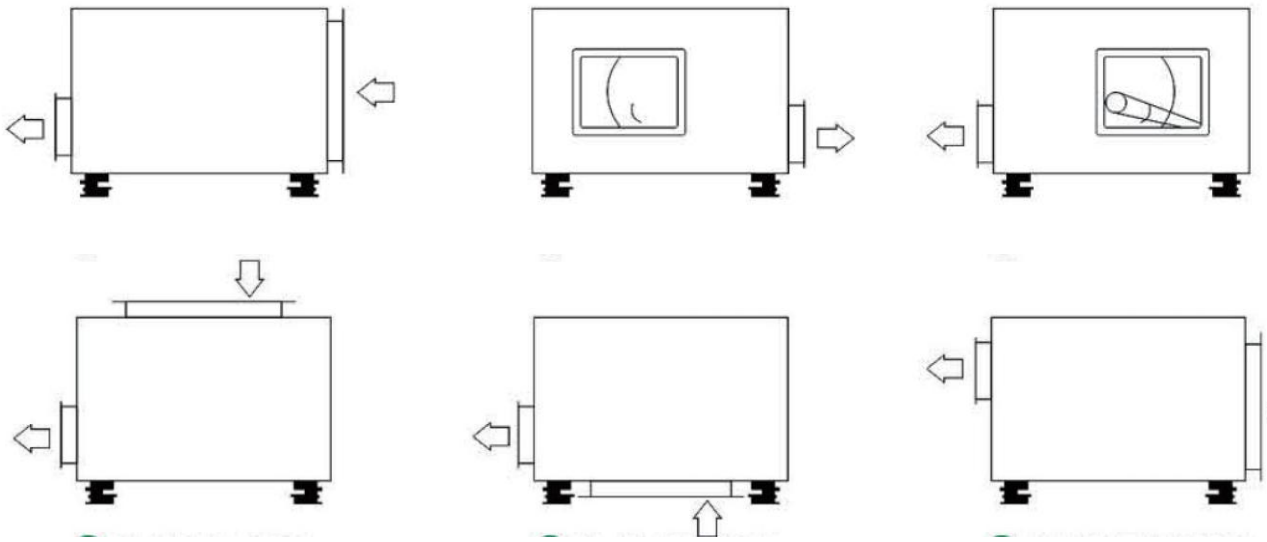
VHTFB-DT-A



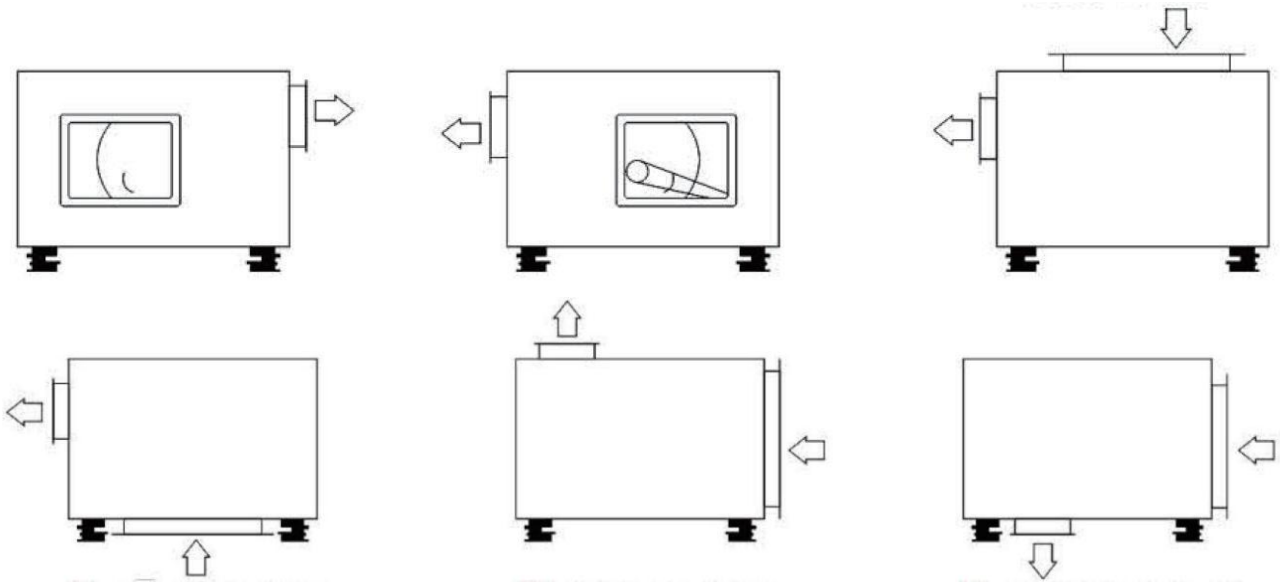
VHTFB-DT-B

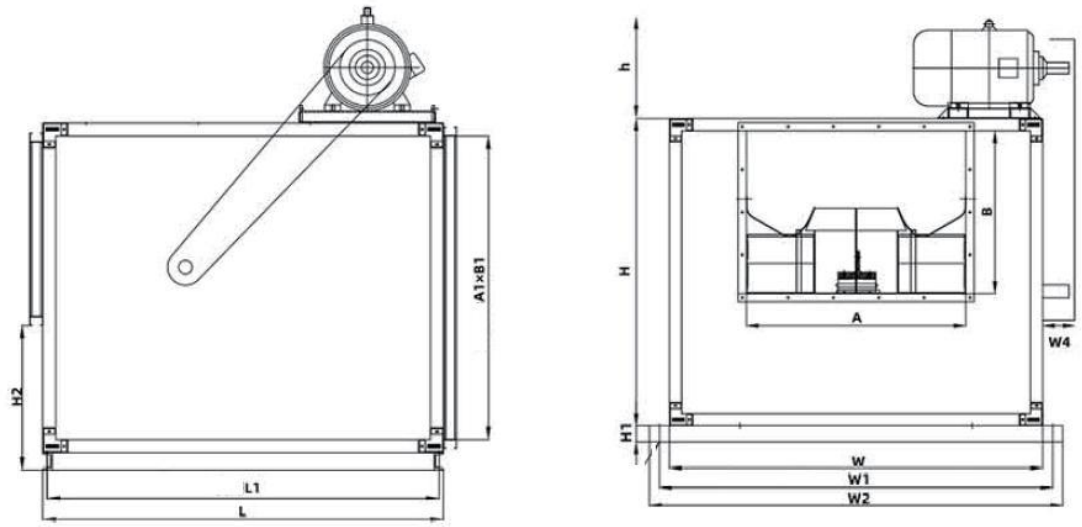
VHTFB–DT type centrifugal fire smoke exhaust fan. The box plates are made of high–quality steel plates. The silencing structure is a double–layer sandwich structure, and fireproof and thermal insulation materials are filled inside to effectively reduce noise and vibration. It is easy to maintain, has good sealing performance, and this type of fan is widely used for ventilation, air exchange, air purification, filtration and air supply in air conditioning.

Different types:

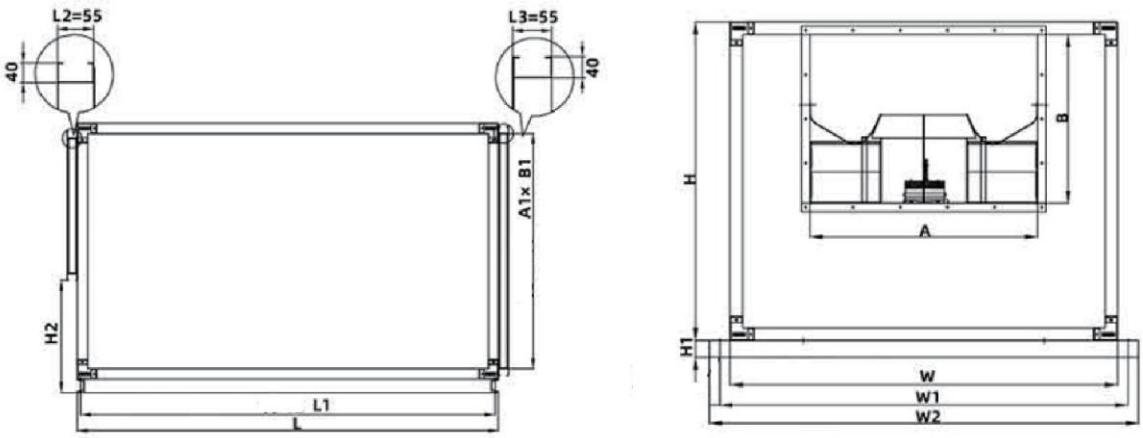


dix@chinaventech.com

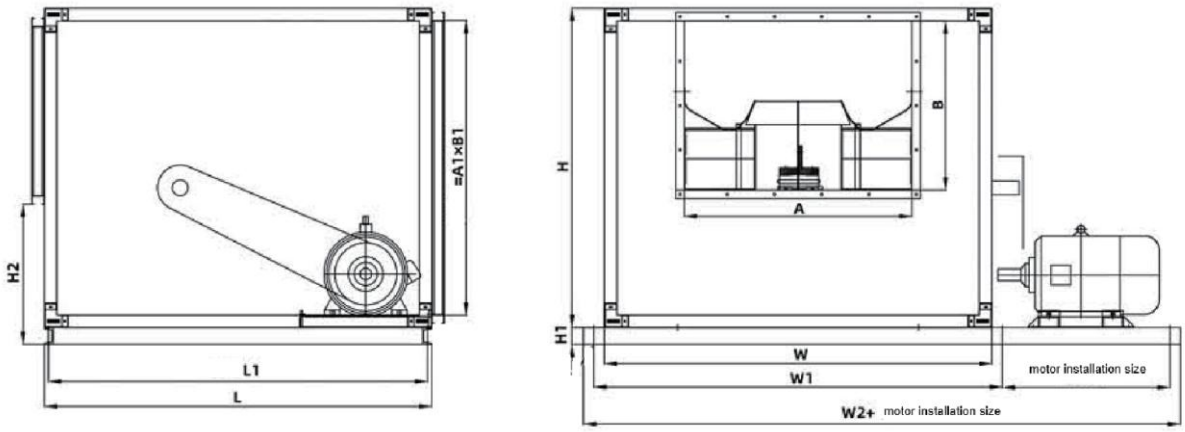




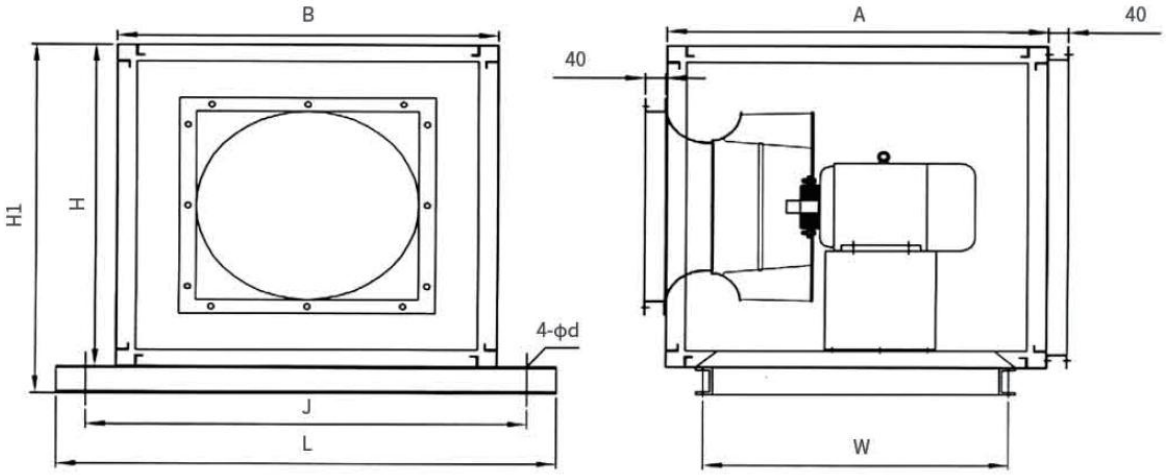
Top motor



Motor inside



Rear motor



Side motor

• Size Data:

规格	H	H1	L	L1	L	L1	W	W1	W2	W4	A	B	H2 (图 1- 图 5)	H2 图 6- 图 10)	A1	B1
315	730	50	800	768	1150	1118	800	900	1000	100	446	332	152	388	560	610
355	780	50	850	818	1200	1168	850	950	1050	100	496	365	138	366	610	660
400	850	50	950	918	1300	1268	950	1050	1150	100	546	405	139	407	710	730
420	915	50	1050	1018	1400	1368	1050	1150	1250	100	600	445	138	433	810	795
450	995	63	1150	1114	1500	1464	1150	1250	1350	110	666	492	152	478	910	875
500	1070	63	1250	1214	1600	1564	1250	1350	1450	110	728	539	149	510	1010	950
560	1170	63	1350	1314	1700	1664	1350	1450	1550	120	788	599	151	549	1110	1050
630	1270	80	1500	1460	1900	1860	1500	1600	1700	120	888	659	168	607	1260	1150
710	1380	80	1600	1560	2050	2010	1600	1700	1800	125	976	726	167	650	1360	1260
800	1520	80	1850	1810	2200	2160	1850	1950	2050	125	1088	806	169	706	1610	1400
850	1650	100	2000	1956	2300	2256	2000	2140	2240	135	1186	888	188	800	1760	1530
900	1830	100	2000	1956	2400	2356	2370	2510	2610	135	1318	980	200	855	2250	1710
1000	1990	120	2150	2100	2650	2600	2620	2760	2860	135	1454	1082	225	930	2500	1870
1150	2180	140	2300	2242	2850	2792	2900	3040	3140	145	1606	1194	246	1025	2780	2060
1250	2380	140	2500	2242	3000	2942	3200	3340	3440	145	1766	1314	247	1103	3080	2260

Sizes		specification							
Power	motor	Side motor length mm	Rear motor length mm	Top motor Height h	Power	motor	Side motor length mm	Rear motor length mm	Top motor Height h
0.55kW	Y80M1	320	420	220	15kW	Y160L	650	600	435
0.75kW	Y80M2	320	420	220	18.5kW	Y180M	700	650	480
1.1kW	Y90S	360	440	240	22kW	Y180L	730	650	480
1.5kW	Y90L	360	440	240	30kW	Y200L	800	780	525
2.2kW	Y100L1	420	490	295	37kW	Y225S	830	830	580
3kW	Y100L2	420	490	295	45kW	Y225M	850	830	580
4kW	Y112M	420	520	315	55kW	Y250M	1020	910	625
5.5kW	Y132S	520	560	365	75kW	Y280S	1090	1010	690
7.5kW	Y132M	520	560	365	90kW	Y280M	1090	1010	690
11kW	Y160M	650	600	435					

• Specifications (single speed):

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
HTFB-DT-315	1660	1	4363	224	184	0.55	72	216
		2	4092	259	224		71	
		3	3816	289	258		71	
		4	3564	317	290		71	
		5	3296	345	322		69	
		6	2849	380	363		67	
		7	2450	387	374		67	
	1820	1	4654	287	241	0.75	73	217
		2	4384	322	281		73	
		3	4090	357	321		73	
		4	3813	390	359		73	
		5	3503	425	399		71	
		6	3233	449	427		69	
		7	2963	460	441		69	
	2100	1	5447	374	311	1.1	77	221
		2	4926	450	399		77	
		3	4556	499	457		77	
		4	4243	544	506		75	
		5	3920	583	551		73	
		6	3512	612	586		73	
		7	2991	623	604		72	
	2330	1	6287	409	326	1.5	79	226
		2	5877	487	414		78	
		3	5350	568	508		79	
		4	4877	641	591		78	
		5	4550	689	645		77	
		6	4266	725	687		75	
		7	3961	748	715		75	
	2650	1	7117	529	422	2.2	82	232
		2	6735	612	516		82	
		3	6007	741	665		82	
		4	5613	810	744		81	
		5	5339	857	797		80	
		6	4957	916	864		79	
		7	4634	953	908		78	
	2940	1	8263	565	421	3	85	237
		2	7722	705	579		84	
		3	7228	814	704		84	
		4	6719	912	817		84	
		5	6159	1017	937		84	
		6	5669	1110	1042		82	
		7	4756	1196	1148		80	

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
HTFB-DT-355	1570	1	5614	232	188	0.75	73	236
		2	5272	271	232		73	
		3	4734	323	291		73	
		4	4290	364	338		72	
		5	3883	397	376		69	
		6	3568	413	395		69	
		7	2975	421	409		68	
	1790	1	6204	328	274	1.1	76	240
		2	5748	382	335		76	
		3	5395	412	371		76	
		4	5011	460	425		75	
		5	4686	493	462		74	
		6	4187	533	508		72	
		7	3596	538	520		71	
	1990	1	6954	391	323	1.5	78	245
		2	6469	456	397		78	
		3	5877	526	477		78	
		4	5521	568	525		78	
		5	5190	605	567		76	
		6	4799	643	611		74	
		7	4373	663	636		74	
	2250	1	8008	483	392	2.2	81	251
		2	7408	576	499		81	
		3	6729	668	604		81	
		4	6161	744	690		80	
		5	5719	798	752		78	
		6	5150	845	808		77	
		7	4519	860	831		77	
	2510	1	9011	582	467	3	84	256
		2	8549	667	564		83	
		3	7992	755	665		83	
		4	7595	813	732		83	
		5	7133	883	811		83	
		6	6560	965	904		81	
		7	5939	1037	987		80	
	2750	1	10364	591	439	4	87	267
		2	9743	728	594		86	
		3	9154	842	724		85	
		4	8454	958	857		86	
		5	7929	1045	956		85	
		6	7435	1124	1046		84	
		7	6687	1230	1167		82	

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
HTFB-DT-400	1460	1	7052	280	233	1.1	74	281
		2	6649	317	275		74	
		3	6344	342	304		75	
		4	5759	386	355		74	
		5	5332	414	387		71	
		6	4588	438	418		70	
		7	4040	447	432		70	
	1620	1	7882	334	275	1.5	77	286
		2	7124	408	360		77	
		3	6524	460	420		76	
		4	6082	494	459		75	
		5	5103	534	509		73	
		6	4266	550	533		72	
		7	3571	559	547		71	
	1830	1	8435	478	411	2.2	80	292
		2	7898	535	476		80	
		3	7235	599	549		79	
		4	6508	652	612		76	
		5	5971	674	640		76	
		6	5671	682	652		75	
		7	4835	699	678		75	
	2020	1	9955	511	417	3	82	297
		2	9106	617	539		82	
		3	8236	713	649		82	
		4	7579	775	721		80	
		5	6751	823	779		78	
		6	6051	845	810		78	
		7	5181	863	838		77	
	2230	1	11186	591	473	4	84	308
		2	10337	712	611		84	
		3	9361	835	752		84	
		4	8682	912	841		83	
		5	8045	969	908		81	
		6	7388	1005	953		80	
		7	6199	1040	1004		80	
	2500	1	13854	495	313	5.5	88	326
		2	13075	641	479		87	
		3	12374	759	614		86	
		4	11823	847	715		86	
		5	11271	930	810		87	
		6	10592	1026	920		87	
		7	9573	1154	1067		85	

Model	Speed (r/min)	Test Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	Motor power (kw)	Noise dB (A)	Weight (kg)
HTFB-DT-420	1350	1	7661	364	326	1.5	75	318
		2	7077	399	368		74	
		3	6502	423	396		72	
		4	5656	453	432		71	
		5	5150	460	443		71	
		6	4487	468	455		70	
		7	3998	473	463		70	
	1550	1	9750	403	341	2.2	78	324
		2	8803	480	430		79	
		3	7792	550	511		77	
		4	6887	588	557		75	
		5	5982	606	583		74	
		6	4887	620	605		74	
		7	3940	631	621		73	
	1720	1	11814	393	297	3	82	329
		2	10950	482	404		81	
		3	9792	588	526		81	
		4	8908	658	607		80	
		5	8087	707	665		77	
		6	7245	733	699		77	
		7	6340	751	725		77	
	1900	1	11207	682	599	4	84	340
		2	10104	783	717		83	
		3	9128	855	799		80	
		4	8299	888	843		79	
		5	7112	915	882		79	
		6	5839	935	913		78	
		7	4778	948	933		78	
	2110	1	13515	710	591	5.5	86	358
		2	12011	880	786		86	
		3	10817	996	920		84	
		4	9833	1058	995		82	
		5	8740	1104	1054		82	
		6	7929	1122	108		82	
		7	6735	1143	1114		81	
	2360	1	15982	762	596	7.5	88	371
		2	14581	955	817		88	
		3	13181	1126	1014		88	
		4	12321	1220	1121		87	
		5	11016	1326	1247		84	
		6	9552	1383	1324		84	
		7	8215	1415	1371		84	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-450	1340	1	10108	457	413	2.2	79	384
		2	8992	509	474		79	
		3	8087	555	527		79	
		4	7350	584	561		79	
		5	6824	597	577		79	
		6	6235	607	590		79	
		7	5561	611	598		79	
	1460	1	12224	468	404	3	81	389
		2	11348	517	462		81	
		3	10377	567	521		81	
		4	9595	608	568		81	
		5	8742	655	622		82	
		6	7890	690	663		82	
		7	6682	715	695		81	
	1620	1	13803	567	485	4	84	400
		2	12950	621	549		84	
		3	11845	686	626		84	
		4	10702	745	696		85	
		5	9881	796	754		85	
		6	8934	842	808		84	
		7	7961	876	849		84	
	1800	1	15250	712	612	5.5	86	418
		2	13881	808	725		86	
		3	12926	868	796		87	
		4	11908	933	872		87	
		5	10571	1023	975		87	
		6	9234	1079	1042		87	
		7	7738	1104	1078		85	
	2000	1	17923	788	650	7.5	90	431
		2	16141	935	823		89	
		3	14836	1031	936		89	
		4	13053	1157	1084		90	
		5	11526	1268	121		89	
		6	10252	1324	1279		89	
		7	8947	1352	1318		88	
	2270	1	21880	846	640	11	94	477
		2	19678	1077	910		93	
		3	17475	1273	114		93	
		4	15683	1414	1308		93	
		5	13966	1561	1477		93	
		6	12099	1682	1619		92	
		7	10083	1740	1696		91	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-500	1280	1	12629	495	447	3	80	447
		2	11719	538	497		81	
		3	10456	594	561		81	
		4	9287	636	610		81	
		5	8435	654	633		80	
		6	7677	665	647		81	
		7	6445	666	654		80	
	1380	I	14719	526	461	4	82	458
		2	13392	588	534		82	
		3	12224	638	593		83	
		4	11150	689	652		83	
		5	10071	727	696		83	
		6	8971	758	734		82	
		7	7645	771	753		82	
	1560	1	16485	678	596	5.5	86	476
		2	15085	750	682		86	
		3	13754	822	765		86	
		4	12353	898	852		86	
		5	11080	949	912		86	
		6	9934	975	945		86	
		7	8565	988	966		85	
	1710	1	20130	695	573	7.5	89	489
		2	18645	791	687		88	
		3	16825	898	813		88	
		4	14857	1005	939		89	
		5	13217	1095	1043		89	
		6	11775	1156	1114		88	
		7	9955	1188	1158		87	
	1950	I	24707	749	565	11	93	535
		2	22830	906	749		92	
		3	20568	1069	942		91	
		4	18563	1198	1094		91	
		5	16856	1305	1220		92	
		6	14510	1452	1389		91	
		7	11864	1531	1489		90	
	2160	1	27795	866	634	15	95	548
		2	25520	1089	893		94	
		3	22443	1335	1184		94	
		4	20534	1470	1343		94	
		5	18358	1623	1522		94	
		6	16289	1769	1689		94	
		7	13053	1878	1827		93	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-560	1170	1	16171	510	456	4	81	568
		2	15003	550	503		81	
		3	13487	597	564		81	
		4	12161	647	616		81	
		5	10961	672	647		82	
		6	9950	685	664		82	
		7	8529	689	674		81	
	1290	1	20966	495	404	5.5	84	586
		2	18608	587	515		84	
		3	16914	660	599		84	
		4	15035	731	684		84	
		5	13487	790	752		84	
		6	12087	822	792		84	
		7	9692	844	824		84	
	1440	1	23091	623	512	7.5	87	599
		2	21096	717	625		86	
		3	19610	782	698		86	
		4	17913	851	784		87	
		5	15706	947	896		87	
		6	13754	1008	969		87	
		7	11419	1039	1012		86	
	1630	1	25923	820	680	11	91	645
		2	23896	925	806		90	
		3	21070	1063	971		91	
		4	19203	1152	1075		91	
		5	16963	1259	1199		91	
		6	14510	1323	1279		90	
		7	12483	1342	1310		89	
	1800	1	31144	832	630	15	94	658
		2	29181	966	789		93	
		3	27006	1098	946		92	
		4	24990	1210	1080		92	
		5	22974	1312	1197		93	
		6	20268	1459	1374		93	
		7	18355	1548	1478		93	
	1950	1	34167	913	670	18.5	96	699
		2	31674	1099	892		95	
		3	29181	1265	1088		94	
		4	26369	1431	1287		94	
		5	24194	1550	1428		95	
		6	22125	1673	1571		95	
		7	20109	1782	1698		95	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-630	1100	1	22992	462	391	5.5	83	696
		2	21224	520	459		82	
		3	19835	561	508		82	
		4	18445	599	554		83	
		5	16971	645	606		83	
		6	15750	682	648		83	
		7	14361	712	684		83	
	1220	1	26371	532	438	7.5	86	709
		2	24371	607	527		85	
		3	23319	644	571		85	
		4	21740	696	632		85	
		5	19792	757	704		85	
		6	17898	823	780		86	
		7	16108	870	835		86	
	1390	1	31310	633	499	11	90	755
		2	29176	731	616		89	
		3	27683	794	690		89	
		4	25656	872	783		89	
		5	23523	949	874		89	
		6	21070	1043	983		89	
		7	18723	1122	1075		89	
	1530	1	35732	684	511	15	93	768
		2	33603	795	643		92	
		3	30878	932	803		91	
		4	28650	1029	918		91	
		5	26343	1121	1027		91	
		6	23398	1243	1169		92	
		7	20374	1354	1298		92	
	1650	1	38199	838	641	18.5	94	809
		2	35329	996	827		94	
		3	33027	1117	970		94	
		4	30560	1232	1106		94	
		5	27854	1348	1243		94	
		6	24831	1487	1404		94	
		7	22443	1582	1514		94	
	1740	1	41144	873	644	22	96	827
		2	37881	1075	881		95	
		3	34459	1259	1098		95	
		4	31435	1404	1270		95	
		5	28411	1540	143		95	
		6	26024	1659	1567		95	
		7	23717	1755	1679		95	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-710	1030	1	33792	379	274	7.5	82	789
		2	30371	518	433		81	
		3	28108	598	525		81	
		4	25529	674	614		80	
		5	22635	741	694		78	
		6	20003	787	750		78	
		7	16740	805	779		78	
	1170	1	38003	508	375	11	85	835
		2	34803	652	540		84	
		3	31923	772	678		84	
		4	29283	862	783		83	
		5	26563	936	871		81	
		6	23363	1004	954		81	
		7	19443	1038	1003		80	
	1300	1	42178	603	439	15	87	848
		2	39313	751	609		85	
		3	35653	920	803		86	
		4	32470	1042	945		85	
		5	29526	1132	1052		82	
		6	25865	1220	1158		83	
		7	21409	1262	1220		82	
	1390	1	45679	672	480	18.5	89	889
		2	42496	852	686		87	
		3	38756	1039	899		87	
		4	35175	1190	1076		86	
		5	31913	1299	1206		84	
		6	28008	1395	1323		84	
		7	22443	1455	1409		84	
	1470	1	49181	706	483	22	91	907
		2	44804	972	787		88	
		3	40984	1174	1019		88	
		4	36687	1361	1237		87	
		5	33504	1471	1368		85	
		6	30719	1551	1464		85	
		7	25467	1634	1574		85	
	1630	1	55085	795	515	30	93	967
		2	51356	1067	824		91	
		3	46008	1389	1194		90	
		4	41934	1597	1435		90	
		5	37520	1776	1646		87	
		6	33106	1913	1812		87	
		7	28438	1991	1916		87	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-800	870	1	35845	431	354	7.5	80	1000
		2	33792	490	421		81	
		3	30556	569	513		80	
		4	27477	628	583		78	
		5	25424	660	621		79	
		6	23214	688	656		78	
		7	20450	704	679		78	
	980	1	41432	509	406	11	83	1046
		2	38336	609	521		83	
		3	35003	704	630		83	
		4	32066	771	709		81	
		5	29051	828	777		80	
		6	26114	870	829		80	
		7	23416	890	857		80	
	1090	1	46316	620	491	15	86	1059
		2	42496	758	649		85	
		3	38995	869	777		85	
		4	35573	955	879		83	
		5	32231	1025	962		83	
		6	28173	1086	1038		83	
		7	26024	1099	1059		82	
	1170	1	50931	663	507	18.5	88	1100
		2	46555	838	708		87	
		3	42815	969	859		87	
		4	38836	1085	994		85	
		5	34778	1176	1103		84	
		6	31276	1238	1179		84	
		7	28411	1266	1217		84	
	1250	1	54921	708	526	22	89	1118
		2	50931	882	726		88	
		3	47366	1023	888		88	
		4	42868	1175	1064		87	
		5	38284	1295	1207		85	
		6	33870	1384	1315		85	
		7	30305	1424	1369		85	
	1370	1	62019	795	563	30	92	1178
		2	57563	1019	820		90	
		3	53292	1211	1040		90	
		4	49393	1366	1219		90	
		5	46051	1478	1350		88	
		6	41595	1599	1496		87	
		7	38067	1679	1592		87	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-850	840	1	47066	476	383	11	83	1215
		2	43495	564	485		83	
		3	40399	632	564		83	
		4	37622	684	625		82	
		5	34051	738	690		80	
		6	30399	783	744		80	
		7	27537	796	764		80	
	930	1	53563	506	386	15	86	1228
		2	48724	643	544		85	
		3	44820	741	657		85	
		4	40915	821	751		84	
		5	37266	881	823		82	
		6	34040	925	877		82	
		7	30475	956	917		82	
	1000	1	56263	646	514	18.5	87	1269
		2	51807	779	667		86	
		3	47443	892	798		86	
		4	42523	995	919		84	
		5	37596	1067	1008		83	
		6	34446	1110	1060		83	
		7	30732	1125	1086		83	
	1060	1	61117	679	523	22	88	1287
		2	56873	818	683		87	
		3	52735	941	825		88	
		4	48809	1041	941		87	
		5	43717	1163	1065		89	
		6	39154	1218	1154		85	
		7	33743	1265	1217		85	
	1180	1	70030	741	536	30	91	1347
		2	64406	955	782		90	
		3	60056	1105	954		90	
		4	54327	1271	1148		89	
		5	49764	1378	1275		87	
		6	44671	1474	1391		87	
		7	38836	1545	1482		87	
	1250	1	75679	808	569	37	93	1392
		2	70785	1015	806		91	
		3	66250	1187	1004		91	
		4	62430	1321	1158		91	
		5	57178	1477	1340		90	
		6	51091	1619	1510		88	
		7	46197	1711	1622		88	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-900	780	1	60424	520	419	15	85	1389
		2	55582	621	535		85	
		3	50839	696	624		84	
		4	46740	756	695		82	
		5	43371	791	739		81	
		6	39687	823	779		81	
		7	36003	841	805		81	
	830	1	64043	577	463	18.5	86	1430
		2	59844	696	597		86	
		3	54539	796	713		86	
		4	49658	864	796		84	
		5	43823	925	872		83	
		6	39472	955	912		83	
		7	36289	958	921		83	
	900	1	71621	622	480	22	88	1448
		2	67921	718	590		88	
		3	63743	816	703		88	
		4	59923	894	794		88	
		5	54910	976	892		86	
		6	49419	1044	976		85	
		7	44406	1091	1037		85	
	980	1	78465	705	534	30	90	1508
		2	73213	853	704		89	
		3	67961	983	855		90	
		4	62868	1089	979		89	
		5	58252	1163	1069		87	
		6	53796	1221	1141		86	
		7	49658	1266	1198		86	
	1050	1	86104	757	551	37	92	1553
		2	80056	946	768		91	
		3	76645	1058	941		91	
		4	68915	1231	1099		91	
		5	64459	1314	1199		89	
		6	60160	1380	1280		88	
		7	54751	1449	1366		88	
	1150	1	94061	775	529	45	94	1588
		2	88331	980	763		93	
		3	82125	1172	985		92	
		4	74963	1363	1207		92	
		5	68756	1492	136		91	
		6	63823	1573	1460		89	
		7	56496	1662	1573		89	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-1000	700	1	70819	545	449	18.5	84	1603
		2	67503	599	513		84	
		3	61937	679	606		84	
		4	56253	741	681		82	
		5	52819	771	718		82	
		6	48905	795	749		82	
		7	42635	825	790		82	
	740	1	75635	591	482	22	86	1621
		2	69950	689	596		86	
		3	63003	787	711		85	
		4	57792	841	777		83	
		5	53056	881	827		83	
		6	49424	905	858		83	
		7	44845	919	881		83	
	820	1	84990	712	574	30	89	1681
		2	78146	846	729		89	
		3	72417	939	839		89	
		4	66847	1011	926		87	
		5	62072	1061	987		86	
		6	56820	1106	1044		86	
		7	51250	1134	1084		85	
	880	1	93896	741	573	37	91	1726
		2	88173	876	728		90	
		3	80693	1023	899		91	
		4	75122	1112	1004		90	
		5	68120	1198	1109		87	
		6	62549	1252	1177		87	
		7	54274	1299	1244		87	
	940	1	103292	783	579	45	93	1761
		2	96130	962	786		92	
		3	90242	1093	938		92	
		4	84035	1214	1079		92	
		5	79419	1287	1167		91	
		6	71780	1384	1286		89	
		7	60480	1481	1411		88	
	1010	1	113955	781	533	55	95	1848
		2	107165	979	760		93	
		3	99526	1173	984		93	
		4	90825	1362	1205		93	
		5	80852	1525	1399		90	
		6	71515	1635	1537		90	
		7	60905	1698	1627		90	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-1150	630	1	82424	577	490	22	85	1920
		2	78003	631	553		85	
		3	70582	705	641		84	
		4	62845	762	711		82	
		5	59056	784	739		82	
		6	52898	806	770		82	
		7	47056	803	775		81	
	700	1	93425	669	557	30	87	1980
		2	88014	746	647		87	
		3	81329	B27	742		87	
		4	75282	885	812		85	
		5	68756	934	873		85	
		6	63982	963	811		84	
		7	56183	985	945		84	
	750	1	105892	685	541	37	90	2025
		2	96343	841	722		89	
		3	88279	949	849		89	
		4	82125	1014	928		87	
		5	75547	1069	996		86	
		6	70242	1107	1044		86	
		7	62390	1140	1090		86	
	800	1	117987	684	506	45	92	2060
		2	109711	843	689		91	
		3	100156	995	867		91	
		4	87854	1156	1057		89	
		5	80427	1223	1140		88	
		6	72152	1281	1214		88	
		7	65992	1295	1239		88	
	850	1	126051	788	585	55	94	2147
		2	116289	986	813		92	
		3	104831	1184	1043		93	
		4	93796	1326	1213		91	
		5	85726	1396	1302		90	
		6	78518	1458	1379		90	
		7	70242	1490	1427		89	
	950	1	144433	843	576	75	97	2272
		2	130587	1172	954		95	
		3	120083	1383	1198		95	
		4	109340	1556	1403		94	
		5	99075	1680	1554		92	
		6	89526	1770	1667		92	
		7	74247	1826	1755		91	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-1250	590	1	111582	524	415	30	86	2174
		2	103582	619	525		86	
		3	95365	696	617		86	
		4	88635	758	689		85	
		5	81266	805	747		84	
		6	71371	852	808		84	
		7	63582	866	831		83	
	640	1	112045	710	599	37	88	2219
		2	102921	810	718		89	
		3	94433	884	806		87	
		4	87854	928	861		86	
		5	78093	981	928		86	
		6	71509	996	951		85	
		7	63663	998	963		85	
	680	1	127748	696	554	45	90	2254
		2	117987	829	707		90	
		3	106953	953	853		89	
		4	95918	1043	963		87	
		5	89128	1087	1018		87	
		6	81064	1128	1071		87	
		7	72152	1142	1097		87	
	730	1	138226	776	609	55	92	2341
		2	127244	937	796		91	
		3	116263	1073	955		91	
		4	104088	1186	1091		89	
		5	93823	1256	1179		88	
		6	85706	1297	1233		88	
		7	76873	1309	1257		88	
	800	1	154698	927	718	75	95	2466
		2	144512	1098	916		94	
		3	132417	1274	1121		94	
		4	116820	1444	1325		92	
		5	103133	1549	1456		91	
		6	91674	1604	1531		91	
		7	88173	1610	1542		91	
	850	1	176661	789	517	90	98	2481
		2	166157	1010	769		96	
		3	147059	1342	1153		96	
		4	129234	1577	1431		95	
		5	116183	1697	1579		93	
		6	101854	1787	1696		93	
		7	92311	1814	1740		92	

• Specifications (double speeds):

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-315	1820	1	4654	287	241	1.1/0.32	73	221
		2	4384	322	281		73	
		3	4090	356	321		73	
		4	3813	390	359		73	
		5	3503	425	399		71	
		6	3233	449	427		69	
		7	2963	460	441		69	
	1200	1	3073	190	160		69	
		2	2894	214	186		69	
		3	2699	236	213		69	
		4	2518	258	238		69	
		5	2313	282	264		67	
		6	2135	297	283		66	
		7	1957	305	292		66	
	2100	1	5447	374	311	1.4/0.45	77	226
		2	4926	449	399		77	
		3	4550	495	451		77	
		4	4243	544	506		75	
		5	3920	583	551		73	
		6	3512	612	586		73	
		7	2991	623	604		72	
	1380	1	3596	248	206		73	
		2	3252	298	264		73	
		3	3008	332	303		73	
		4	2795	354	329		71	
		5	2588	385	365		69	
		6	2319	405	388		69	
		7	1975	412	399		68	
	2330	1	6287	409	326	2.2/0.7	79	232
		2	5877	487	414		78	
		3	5350	568	508		79	
		4	4877	641	591		78	
		5	4550	689	645		77	
		6	4266	725	687		75	
		7	3961	748	715		75	
	1530	1	4150	271	216		75	
		2	3880	322	274		74	
		3	3532	376	336		75	
		4	3220	424	391		74	
		5	3004	456	427		73	
		6	2817	480	454		71	
		7	2615	495	473		71	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-315	2650	1	7117	529	422	2.5/0.9	82	237
		2	6735	612	516		82	
		3	6007	741	665		82	
		4	5613	810	744		81	
		5	5339	857	797		80	
		6	4957	916	864		79	
		7	4634	953	908		78	
	1749	1	4698	350	280		78	
		2	4447	405	342		78	
		3	3966	490	440		78	
		4	3706	536	492		77	
		5	3525	567	527		76	
		6	3273	606	571		75	
		7	3059	630	599		74	
	2940	1	8263	565	421	3.2/1.1	85	248
		2	7722	705	579		84	
		3	7228	814	704		84	
		4	6719	912	817		84	
		5	6162	1020	940		84	
		6	5669	1110	1042		82	
		7	4756	1196	1148		80	
	1940	1	5455	374	279		81	
		2	5098	466	383		80	
		3	4772	538	466		80	
		4	4436	603	540		80	
		5	4068	674	621		80	
		6	3743	734	689		78	
		7	3144	794	763		76	
HTFB-DT-355	1790	1	6204	328	274	1.4/0.45	76	245
		2	5748	382	335		76	
		3	5395	412	371		76	
		4	5011	460	425		75	
		5	4686	493	462		74	
		6	4187	533	508		72	
		7	3596	538	520		71	
	1181	1	4096	218	182		72	
		2	3795	253	222		72	
		3	3566	277	250		72	
		4	3308	305	282		71	
		5	3094	326	306		70	
		6	2764	353	336		68	
		7	2378	360	348		67	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-355	1990	1	6954	391	323	2.2/0.7	78	251
		2	6469	456	397		78	
		3	5877	526	477		78	
		4	5521	568	525		78	
		5	5190	605	567		76	
		6	4799	643	611		74	
		7	4373	663	636		74	
	1313	1	4591	259	214		74	
		2	4265	296	257		74	
		3	3880	348	316		74	
		4	3645	376	348		74	
		5	3426	399	375		72	
		6	3168	425	404		70	
		7	2887	439	421		70	
	2250	1	8008	483	392	2.5/0.9	81	256
		2	7408	576	499		81	
		3	6729	668	604		81	
		4	6161	744	690		80	
		5	5719	798	752		78	
		6	5150	845	808		77	
		7	4519	860	831		77	
	1485	1	5286	320	260		77	
		2	4890	381	330		77	
		3	4442	442	399		77	
		4	4067	492	456		76	
		5	3776	528	497		74	
		6	3399	559	534		73	
		7	2984	569	549		73	
	2510	1	9011	582	467	3.2/1.1	84	267
		2	8549	667	564		83	
		3	7992	755	665		83	
		4	7595	813	732		83	
		5	7133	883	811		83	
		6	6560	965	904		81	
		7	5939	1037	987		80	
	1657	1	5948	385	309		80	
		2	5643	441	373		79	
		3	5276	499	440		79	
		4	5014	538	484		79	
		5	4709	584	536		79	
		6	4331	638	598		77	
		7	3921	685	652		76	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-355	2750	1	10364	591	439	4.7/1.5	87	285
		2	9743	728	594		86	
		3	9154	842	724		85	
		4	8454	958	857		86	
		5	7929	1045	956		85	
		6	7435	1124	1046		84	
		7	6687	1230	1167		82	
	1815	1	6841	391	291		83	
		2	6431	482	393		82	
		3	6043	557	479		81	
		4	5581	633	567		82	
		5	5234	691	632		81	
		6	4908	743	691		80	
		7	4414	813	771		78	
HTFB-DT-400	1620	1	7882	334	275	2.2/0.7	77	292
		2	7124	408	360		77	
		3	6524	460	420		76	
		4	6082	494	459		75	
		5	5103	534	509		73	
		6	4266	550	533		72	
		7	3571	559	547		71	
	1069	1	5203	221	183		73	
		2	4703	270	239		73	
		3	4307	305	278		72	
		4	4015	327	304		71	
		5	3369	353	337		69	
		6	2817	364	353		68	
		7	2358	370	362		67	
	1830	1	8435	478	411	2.5/0.9	80	297
		2	7898	535	476		80	
		3	7235	599	549		79	
		4	6508	652	612		76	
		5	5971	674	640		76	
		6	5671	682	652		75	
		7	4835	699	678		75	
	1208	1	5568	317	272		76	
		2	5214	354	315		75	
		3	4776	396	363		75	
		4	4296	431	405		72	
		5	3942	446	423		72	
		6	3744	451	431		71	
		7	3192	463	449		71	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-400	2020	1	9955	511	417	3.2/1.1	82	308
		2	9106	617	539		82	
		3	8236	713	649		82	
		4	7579	775	721		80	
		5	6751	823	780		78	
		6	6051	845	810		78	
		7	5181	863	838		77	
	1333	1	6571	338	276		78	
		2	6011	408	357		78	
		3	5437	472	429		78	
		4	5003	513	477		76	
		5	4457	544	517		74	
		6	3995	559	536		74	
		7	3420	571	554		73	
	2230	1	11186	591	473	4.7/1.5	84	326
		2	10337	712	611		84	
		3	9361	835	752		84	
		4	8682	912	841		83	
		5	8045	969	908		81	
		6	7388	1005	953		80	
		7	6199	1040	1004		80	
	1472	1	7384	391	314		80	
		2	6823	471	404		80	
		3	6179	552	497		80	
		4	5731	603	556		79	
		5	5311	641	599		77	
		6	4877	664	630		76	
		7	4092	687	664		76	
	2500	1	13860	499	319	6.7/2.2	88	339
		2	13075	641	479		87	
		3	12374	759	614		86	
		4	11823	847	715		86	
		5	11271	930	810		87	
		6	10592	1026	920		87	
		7	9573	1154	1067		85	
	1650	1	9149	332	212		84	
		2	8631	424	317		83	
		3	8162	496	400		82	
		4	7804	560	473		82	
		5	7440	615	536		83	
		6	6992	678	608		83	
		7	6319	763	705		81	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-420	1550	1	9750	403	341	2.5/0.9	78	329
		2	8803	480	430		79	
		3	7792	550	511		77	
		4	6887	588	557		75	
		5	5982	606	583		74	
		6	4887	620	605		74	
		7	3940	631	621		73	
	1023	1	6436	267	226		74	
		2	5811	318	285		75	
		3	5144	364	338		73	
		4	4546	389	369		71	
		5	3943	395	381		70	
		6	3226	410	399		70	
		7	2595	411	405		69	
	1720	1	11808	387	296	3.2/1.1	82	340
		2	10950	482	404		81	
		3	9792	588	526		81	
		4	8908	658	607		80	
		5	8087	707	665		77	
		6	7245	733	699		77	
		7	6340	751	725		77	
	1135	1	7798	260	199		78	
		2	7228	319	268		77	
		3	6464	389	348		77	
		4	5874	429	396		76	
		5	5338	468	439		73	
		6	4783	485	462		73	
		7	4185	497	480		73	
	1900	1	11207	682	599	4.7/1.5	84	358
		2	10104	783	717		83	
		3	9128	855	799		80	
		4	8299	888	843		79	
		5	7112	915	882		79	
		6	5839	935	913		78	
		7	4778	948	933		78	
	1254	1	7398	451	397		80	
		2	6670	518	474		79	
		3	6026	565	530		76	
		4	5479	587	557		75	
		5	4695	605	583		75	
		6	3855	618	604		74	
		7	3155	627	617		74	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-420	2110	1	13515	710	561	6.7/2.2	86	371
		2	12011	880	786		86	
		3	10817	996	920		84	
		4	9833	1058	995		82	
		5	8740	1104	1054		82	
		6	7929	1122	1081		82	
		7	6735	1143	1l14		81	
	1393	1	8921	470	391		82	
		2	7928	582	520		82	
		3	7140	658	608		80	
		4	6495	703	662		78	
		5	5769	730	697		78	
		6	5234	742	714		78	
		7	4446	755	736		77	
	2360	1	15982	762	596	9.5/3.1	88	417
		2	14581	955	817		88	
		3	13181	1126	1014		88	
		4	12321	1220	1121		87	
		5	11016	1326	1247		84	
		6	9552	1383	1324		84	
		7	8215	1415	1371		84	
	1558	1	10549	504	394		84	
		2	9624	631	540		84	
		3	8599	744	670		84	
		4	8133	806	741		83	
		5	7272	876	824		80	
		6	6305	914	875		80	
		7	5423	935	906		80	
HTFB-DT-450	1460	1	12224	468	404	3.2/1.1	81	400
		2	11348	517	462		81	
		3	10377	567	521		81	
		4	9595	608	568		81	
		5	8742	655	622		82	
		6	7890	690	663		82	
		7	6682	715	696		81	
	964	1	8069	310	268		77	
		2	7491	342	306		77	
		3	6850	375	345		77	
		4	6328	396	370		77	
		5	5771	433	412		78	
		6	5208	456	439		78	
		7	4411	473	460		77	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-450	1620	1	13803	567	485	4.7/1.5	84	418
		2	12950	621	549		84	
		3	11845	686	626		84	
		4	10702	745	696		85	
		5	9881	796	754		85	
		6	8940	848	814		84	
		7	7961	876	849		84	
	1069	1	9111	375	321		80	
		2	8548	411	363		80	
		3	7819	454	414		80	
		4	7068	497	464		81	
		5	6526	530	503		81	
		6	5895	555	532		80	
		7	5255	579	561		80	
	1800	1	15250	712	612	6.7/2.2	86	431
		2	13881	808	725		86	
		3	12926	868	796		87	
		4	11908	933	872		87	
		5	10571	1023	975		87	
		6	9234	1079	1042		87	
		7	7738	1104	1078		85	
	1188	1	10066	411	405		82	
		2	9162	534	480		82	
		3	8532	574	526		83	
		4	7860	617	577		83	
		5	6978	676	645		83	
		6	6095	713	689		83	
		7	5108	730	713		81	
	2000	1	17923	788	650	9.5/3.1	90	477
		2	16141	935	823		89	
		3	14836	1031	936		89	
		4	13053	1157	1084		90	
		5	11526	1268	1211		89	
		6	10252	1324	1279		89	
		7	8947	1352	1318		88	
	1320	1	11830	521	430		86	
		2	10654	618	544		85	
		3	9793	681	619		85	
		4	8616	765	716		86	
		5	7608	838	799		85	
		6	6767	875	845		85	
		7	5906	893	871		84	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-450	2270	1	21880	846	640	12/4	94	490
		2	19678	1077	910		93	
		3	17475	1273	1141		93	
		4	15683	1414	1308		93	
		5	13966	1561	1477		93	
		6	12099	1682	1619		92	
		7	10083	1740	1696		91	
	1498	1	14442	559	423		89	
		2	12983	706	596		88	
		3	11535	841	754		88	
		4	10352	934	864		88	
		5	9219	1031	976		88	
		6	7986	1111	1070		87	
		7	6656	1149	1120		86	
HTFB-DT-500	1380	1	14719	526	461	4.7/1.5	82	476
		2	13392	588	534		82	
		3	12224	638	593		83	
		4	11150	689	652		83	
		5	10071	727	696		83	
		6	8971	758	734		82	
		7	7645	771	753		82	
	911	1	9716	348	306		78	
		2	8840	389	353		78	
		3	8069	422	392		79	
		4	7360	457	431		79	
		5	6652	485	464		79	
		6	5922	499	485		78	
		7	5047	510	498		78	
	1560	1	16491	684	597	6.7/2.2	86	489
		2	15091	756	688		86	
		3	13754	822	765		86	
		4	12353	898	852		86	
		5	11080	949	912		86	
		6	9934	975	945		86	
		7	8565	988	966		85	
	1030	1	10885	452	398		82	
		2	9961	499	455		82	
		3	9079	544	506		82	
		4	8154	594	563		82	
		5	7314	627	603		82	
		6	6557	645	625		82	
		7	5654	653	639		81	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-500	1710	1	20130	695	573	9.5/3.1	89	535
		2	18645	791	687		88	
		3	16825	898	813		88	
		4	14857	1005	939		89	
		5	13223	1099	1048		89	
		6	11775	1156	1114		88	
		7	9955	1188	1158		87	
	1129	1	13287	460	379		85	
		2	12307	523	454		84	
		3	11106	594	538		84	
		4	9807	664	621		85	
		5	8728	728	693		85	
		6	7773	764	736		84	
		7	6571	785	765		83	
	1950	1	24707	749	565	12/4	93	548
		2	22830	906	749		92	
		3	20568	1069	942		91	
		4	18563	1198	1094		91	
		5	16856	1305	1220		92	
		6	14510	1452	1389		91	
		7	11864	1531	1489		90	
	1287	1	16308	495	374		88	
		2	15069	599	495		87	
		3	13576	707	623		86	
		4	12253	792	723		86	
		5	11126	862	806		87	
		6	9578	959	918		86	
		7	7831	1011	984		86	
	2160	1	27795	866	640	15.5/5.1	95	589
		2	25520	1089	893		94	
		3	22443	1335	1184		94	
		4	20534	1470	1343		94	
		5	18358	1623	1522		94	
		6	16289	1769	1689		94	
		7	13053	1878	1827		93	
	1426	1	18350	577	423		90	
		2	16844	720	590		89	
		3	14813	882	782		89	
		4	13553	971	887		89	
		5	12117	1082	1006		89	
		6	10752	1169	1116		89	
		7	8616	1241	1207		88	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-560	1290	1	20966	495	404	6.7/2.2	84	599
		2	18608	587	515		84	
		3	16914	660	599		84	
		4	15035	731	684		84	
		5	13487	790	752		84	
		6	12087	822	792		84	
		7	9692	844	824		84	
	851	1	13839	328	268		80	
		2	12282	388	341		80	
		3	11164	437	398		80	
		4	9924	483	452		80	
		5	8896	516	491		80	
		6	7978	544	524		80	
		7	6398	558	545		80	
	1440	1	23091	623	512	9.5/3.1	87	645
		2	21096	717	625		86	
		3	19610	782	698		86	
		4	17913	851	784		87	
		5	15706	947	896		87	
		6	13754	1008	969		87	
		7	11419	1039	1012		86	
	950	1	15241	412	339		83	
		2	13924	474	414		82	
		3	12944	517	464		82	
		4	11824	563	518		83	
		5	10367	626	592		83	
		6	9079	666	641		83	
		7	7538	687	669		82	
	1630	1	25923	820	680	12/4	91	658
		2	23896	925	806		90	
		3	21070	1063	971		91	
		4	19203	1152	1075		91	
		5	16963	1259	1199		91	
		6	14510	1323	1279		90	
		7	12483	1342	1310		89	
	1076	1	17110	542	450		86	
		2	15772	612	533		86	
		3	13907	703	642		86	
		4	12675	761	711		86	
		5	11197	832	792		86	
		6	9578	874	845		86	
		7	8240	887	866		85	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-560	1800	1	31144	832	630	15.5/5.1	94	699
		2	29181	966	789		93	
		3	27006	1098	946		92	
		4	24990	1210	1080		92	
		5	22974	1312	1198		93	
		6	20268	1459	1374		93	
		7	18358	1551	1481		93	
	1188	1	20557	549	417		89	
		2	19260	639	522		88	
		3	17825	726	625		87	
		4	16494	799	714		87	
		5	15164	867	794		88	
		6	13378	964	908		88	
		7	12117	1025	978		88	
	1950	1	34167	913	670	18/6.2	96	717
		2	31674	1099	892		95	
		3	29181	1265	1088		94	
		4	26369	1431	1287		94	
		5	24194	1550	1428		95	
		6	22125	1673	1571		95	
		7	20109	1782	1698		95	
	1287	1	22551	604	443		91	
		2	20906	727	590		90	
		3	19260	836	719		89	
		4	17405	945	850		89	
		5	15969	1024	944		90	
		6	14604	1105	1038		90	
		7	13273	1177	1122		90	
HTFB-DT-630	1220	1	26371	532	438	9.5/3.1	86	755
		2	24371	607	527		85	
		3	23319	644	571		85	
		4	21740	696	632		85	
		5	19792	757	704		85	
		6	17898	823	780		86	
		7	16108	870	835		86	
	805	1	17406	352	290		82	
		2	16086	398	349		81	
		3	15392	426	378		81	
		4	14349	460	418		81	
		5	13064	499	466		81	
		6	11814	544	516		82	
		7	10632	575	552		82	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-630	1390	1	31310	633	499	12/4	90	768
		2	29176	731	616		89	
		3	27683	794	689		89	
		4	25656	872	783		89	
		5	23523	949	874		89	
		6	21070	1043	983		89	
		7	18723	1122	1075		89	
	917	1	20666	419	331		86	
		2	19257	483	408		85	
		3	18272	525	456		85	
		4	16934	577	518		85	
		5	15526	627	578		85	
		6	13907	689	650		85	
		7	12358	742	711		85	
	1530	1	35732	684	511	15.5/5.1	93	809
		2	33603	795	643		92	
		3	30878	932	803		91	
		4	28650	1029	918		91	
		5	26343	1121	1027		91	
		6	23398	1243	1169		92	
		7	20374	1354	1298		92	
	1010	1	23584	452	338		88	
		2	22179	526	425		87	
		3	20381	616	531		86	
		4	18910	680	607		86	
		5	17387	741	679		86	
		6	15444	821	773		87	
		7	13448	895	858		87	
	1650	1	38199	838	641	18/6.2	94	827
		2	35329	996	827		94	
		3	33027	1117	970		94	
		4	30560	1232	1106		94	
		5	27854	1348	1243		94	
		6	24831	1487	1404		94	
		7	22443	1582	1514		94	
	1089	1	25212	554	424		89	
		2	23322	662	551		89	
		3	21799	738	641		89	
		4	20171	814	731		89	
		5	18385	891	821		89	
		6	16389	982	928		89	
		7	14813	1045	999		89	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-630	1740	1	41144	873	644	24/8.5	96	887
		2	37881	1075	881		95	
		3	34459	1259	1098		95	
		4	31435	1404	1270		95	
		5	28411	1540	143		95	
		6	26024	1659	1567		95	
		7	23717	1755	1679		95	
	1148	1	27156	577	426		91	
		2	24996	705	576		90	
		3	22744	832	726		90	
		4	20748	928	839		90	
		5	18752	1017	945		90	
		6	17177	1096	1035		90	
		7	15654	1159	1109		90	
HTFB-DT-710	1170	1	38003	508	375	12/4	85	848
		2	34803	652	540		84	
		3	31923	772	678		84	
		4	29283	862	783		83	
		5	26563	936	871		81	
		6	23363	1004	954		81	
		7	19443	1038	1003		80	
	772	1	25083	336	249		81	
		2	22971	431	357		80	
		3	21070	511	449		80	
		4	19328	570	518		79	
		5	17533	619	576		77	
		6	15421	664	631		77	
		7	12833	686	663		76	
	1300	1	42178	603	439	15.5/5.1	87	889
		2	39313	751	609		85	
		3	35653	920	803		86	
		4	32470	1042	945		85	
		5	29526	1132	1052		82	
		6	25865	1220	1158		83	
		7	21409	1262	1220		82	
	858	1	27839	399	291		83	
		2	25948	497	403		81	
		3	23532	608	531		82	
		4	21431	689	625		81	
		5	19488	748	695		78	
		6	17072	806	765		79	
		7	14131	834	806		78	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-710	1390	1	45679	672	479	18/6.2	89	907
		2	42496	B52	686		87	
		3	38756	1039	899		87	
		4	35175	1190	1076		86	
		5	31913	1299	1206		84	
		6	28014	1399	1329		84	
		7	22443	1455	1409		84	
	917	1	30149	445	318		85	
		2	28048	563	454		83	
		3	25580	687	596		83	
		4	23217	786	711		82	
		5	21064	B59	797		80	
		6	18490	926	878		80	
		7	14813	961	931		80	
	1470	1	49181	706	483	24/B.5	91	967
		2	44804	972	787		88	
		3	40984	1174	1019		88	
		4	36687	1361	1237		87	
		5	33504	1471	1368		85	
		6	30719	1551	1464		85	
		7	25467	1634	1574		85	
	970	1	32460	467	320		86	
		2	29572	643	520		84	
		3	27050	776	674		84	
		4	24214	899	817		83	
		5	22114	972	904		81	
		6	20276	1025	967		81	
		7	16809	1079	1040		81	
	1630	1	55085	795	515	33/11	93	1012
		2	51356	1067	824		91	
		3	46008	1389	1194		90	
		4	41934	1597	1435		90	
		5	37520	1776	1646		87	
		6	33106	1913	1812		87	
		7	28438	1991	1917		87	
	1076	1	36361	530	345		88	
		2	33896	705	545		86	
		3	30366	918	789		86	
		4	27677	1055	948		86	
		5	24764	1173	1087		83	
		6	21851	1264	1197		83	
		7	18770	1315	1265		83	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-800	9B0	1	41432	509	406	12/4	83	1059
		2	38336	609	521		83	
		3	35003	704	630		83	
		4	32066	771	709		81	
		5	29051	828	777		80	
		6	26114	870	829		80	
		7	23416	890	857		80	
	647	1	27346	337	269		79	
		2	25303	403	345		79	
		3	23103	466	417		79	
		4	21165	510	469		77	
		5	19175	548	514		76	
		6	17236	575	548		76	
		7	15456	588	567		76	
	1090	1	46316	620	491	15.5/5.1	86	1100
		2	42496	758	649		85	
		3	38995	869	777		85	
		4	35573	955	879		83	
		5	32231	1025	962		83	
		6	28173	1086	1038		83	
		7	26024	1099	1059		82	
	719	1	30570	410	325		82	
		2	28048	499	429		81	
		3	25738	575	514		81	
		4	23479	631	581		79	
		5	21273	678	636		79	
		6	18595	718	686		79	
		7	17177	727	699		78	
	1170	1	50931	663	507	18/6.2	88	1118
		2	46555	838	705		87	
		3	42815	969	859		87	
		4	38836	1085	994		85	
		5	34778	1176	1103		84	
		6	31276	1238	1179		84	
		7	28411	1266	1217		84	
	772	1	33612	439	336		84	
		2	30727	554	468		83	
		3	28259	641	568		83	
		4	25633	717	657		81	
		5	22955	777	729		80	
		6	20643	818	779		80	
		7	18752	837	804		80	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-800	1250	1	54921	708	526	24/8.5	89	1178
		2	50931	882	726		88	
		3	47366	1023	888		88	
		4	42868	1175	1064		87	
		5	38284	1295	1207		85	
		6	33870	1384	1315		85	
		7	30305	1424	1369		85	
	825	1	36249	468	348		85	
		2	33615	583	480		84	
		3	31263	676	587		84	
		4	28294	777	703		83	
		5	25268	856	798		81	
		6	22355	914	869		81	
		7	19996	935	901		81	
	1370	1	62019	795	563	33/11	92	1223
		2	57563	1019	820		90	
		3	53292	1211	1040		90	
		4	49393	1366	1219		90	
		5	46051	1478	1350		88	
		6	41595	1599	1496		87	
		7	38067	1679	1592		87	
	904	1	40934	526	373		87	
		2	37993	674	542		86	
		3	35174	799	687		86	
		4	32599	903	806		86	
		5	30395	977	892		84	
		6	27454	1057	988		83	
		7	25125	1109	1052		83	
HTFB-DT-850	930	1	53563	506	386	15.5/5.1	86	1269
		2	48724	643	544		85	
		3	44820	741	657		85	
		4	40915	821	751		84	
		5	37266	881	823		82	
		6	34040	925	877		82	
		7	30475	956	917		82	
	614	1	35353	335	256		82	
		2	32159	425	360		81	
		3	29582	490	435		81	
		4	27005	543	497		80	
		5	24597	582	544		78	
		6	22467	612	580		78	
		7	20115	632	606		78	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-850	1000	1	56263	646	514	18/6.2	87	1287
		2	51807	779	667		86	
		3	47443	892	798		86	
		4	42523	995	919		84	
		5	37596	1067	1008		83	
		6	34446	1110	1060		83	
		7	30732	1125	1086		83	
	660	1	37135	427	340		83	
		2	34194	515	441		82	
		3	31313	590	528		82	
		4	28066	658	608		80	
		5	24818	709	670		79	
		6	22735	734	699		79	
		7	20284	744	718		79	
	1060	1	61117	679	523	24/8.5	88	1347
		2	56873	818	683		87	
		3	52735	941	825		88	
		4	48809	1041	941		87	
		5	43717	1163	1065		89	
		6	39154	1218	1154		85	
		7	33743	1265	1217		85	
	700	1	40338	449	346		84	
		2	37537	541	452		83	
		3	34806	622	546		84	
		4	32215	688	622		83	
		5	28854	769	704		85	
		6	25843	805	763		81	
		7	22271	836	804		81	
	1180	1	70030	741	536	33/11	91	1392
		2	64406	955	782		90	
		3	60056	1105	954		90	
		4	54327	1271	1148		89	
		5	49764	1378	1275		87	
		6	44671	1474	139		87	
		7	38836	1545	1482		87	
	779	1	46221	490	355		86	
		2	42509	631	517		86	
		3	39638	730	631		86	
		4	35857	840	759		85	
		5	32845	911	843		83	
		6	29484	974	919		83	
		7	25633	1021	979		83	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-850	1250	1	75679	808	569	38/13	93	1427
		2	70785	1015	806		91	
		3	66250	1187	1004		91	
		4	62430	1321	1158		91	
		5	57178	1477	1340		90	
		6	51091	1619	1510		88	
		7	46197	1711	1622		88	
	825	1	49949	534	377		88	
		2	46719	671	533		86	
		3	43726	784	664		86	
		4	41205	873	765		86	
		5	37739	976	885		86	
		6	33721	1070	998		84	
		7	30491	1130	1072		84	
HTFB-DT-900	830	1	64043	577	463	18/6.2	86	1448
		2	59844	696	597		B6	
		3	54539	796	713		86	
		4	49658	864	796		84	
		5	43823	925	872		83	
		6	39472	955	912		83	
		7	36289	958	921		83	
	548	1	42269	382	307		82	
		2	39498	460	395		B2	
		3	35997	526	472		82	
		4	32775	571	526		80	
		5	28924	612	577		79	
		6	26053	631	603		79	
		7	23952	633	609		79	
	900	1	71621	622	480	24/8.5	88	1508
		2	67921	718	590		88	
		3	63743	816	703		88	
		4	59923	894	794		88	
		5	54910	976	892		86	
		6	49419	1044	976		85	
		7	44406	1091	1036		85	
	594	1	47271	412	318		84	
		2	44829	475	390		84	
		3	42071	540	465		84	
		4	39550	591	525		84	
		5	36242	645	590		82	
		6	32618	690	645		81	
		7	29309	721	685		81	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-900	980	1	78465	705	534	33/11	90	1553
		2	73213	853	704		89	
		3	67961	983	855		90	
		4	62868	1089	979		89	
		5	58252	1163	1069		87	
		6	53796	1221	114		86	
		7	49658	1266	1198		86	
	647	1	51788	466	353		86	
		2	48322	564	466		85	
		3	44855	650	565		86	
		4	41494	720	647		85	
		5	38447	769	707		83	
		6	35506	807	754		82	
		7	32775	837	792		82	
	1050	1	86104	757	551	38/13	92	1588
		2	80056	946	768		91	
		3	76645	1058	941		91	
		4	68915	1231	1099		91	
		5	64459	1314	1199		89	
		6	60160	1380	1280		88	
		7	54751	1449	1366		88	
	693	1	56824	495	359		87	
		2	52838	625	508		86	
		3	50587	699	622		86	
		4	45485	813	726		86	
		5	42544	868	792		85	
		6	39707	912	846		84	
		7	36137	957	903		84	
	1150	1	94061	775	529	47/16	94	1675
		2	88332	980	763		93	
		3	82125	1172	985		92	
		4	74963	1363	1207		92	
		5	68756	1492	1361		91	
		6	63823	1573	1460		89	
		7	56496	1662	1573		89	
	759	1	62081	513	350		89	
		2	58299	648	505		88	
		3	54204	776	651		87	
		4	49471	895	792		87	
		5	45380	988	899		86	
		6	42124	1039	965		85	
		7	37286	1096	1037		85	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB DT-1000	740	1	75635	591	482	24/8.5	86	168
		2	69950	689	596		86	
		3	63003	787	711		85	
		4	57792	841	777		83	
		5	53056	881	827		83	
		6	49424	905	858		83	
		7	44845	919	881		83	
	488	1	49920	391	319		82	
		2	46168	456	394		82	
		3	41583	520	470		81	
		4	38144	556	514		79	
		5	35018	582	547		79	
		6	32621	598	567		79	
		7	29599	608	582		79	
	820	1	84990	712	574	33/11	89	1726
		2	78146	846	729		89	
		3	72417	939	839		89	
		4	66847	1011	926		87	
		5	62072	1061	987		86	
		6	56820	1106	1044		86	
		7	51250	1134	1084		85	
	541	1	56094	471	380		85	
		2	51577	559	482		85	
		3	47796	621	555		85	
		4	44120	668	612		83	
		5	40963	695	646		82	
		6	37496	725	684		82	
		7	33826	749	716		81	
	880	1	93896	741	572	38/13	91	1761
		2	88173	876	728		90	
		3	80693	1023	899		91	
		4	75121	1112	1004		90	
		5	68120	1198	1109		87	
		6	62549	1252	1177		87	
		7	54274	1299	1244		87	
	581	1	61976	494	383		86	
		2	58195	579	482		86	
		3	53258	676	594		86	
		4	49582	735	664		86	
		5	44960	792	733		83	
		6	41283	827	778		83	
		7	35822	859	822		83	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB DT-1000	940	1	103292	783	579	47/16	93	1848
		2	96130	962	786		92	
		3	90242	1093	938		92	
		4	84035	1214	1079		92	
		5	79419	1287	1167		91	
		6	71780	1384	1287		89	
		7	60480	1481	141		88	
	620	1	68174	518	383		88	
		2	63447	636	520		87	
		3	59561	721	620		87	
		4	55458	796	707		87	
		5	52418	850	771		86	
		6	47376	914	850		85	
		7	39918	978	932		84	
	1010	1	113955	781	533	55/18.5	95	1973
		2	107165	979	760		93	
		3	99526	1173	984		93	
		4	90825	1362	1205		93	
		5	80852	1525	1399		90	
		6	71515	1635	1537		90	
		7	60905	1698	1627		90	
	667	1	75211	516	353		90	
		2	70730	647	503		88	
		3	65688	775	650		88	
		4	59946	899	796		88	
		5	53363	1008	925		86	
		6	47195	1074	1009		86	
		7	40198	1122	1075		86	
HTFB-DT-1150	700	1	93425	669	557	33/11	87	2025
		2	88014	746	647		87	
		3	81329	827	742		87	
		4	75282	885	812		85	
		5	68756	934	873		85	
		6	63982	963	811		84	
		7	56183	985	945		84	
	462	1	61662	443	369		83	
		2	58090	493	428		83	
		3	53678	547	491		83	
		4	49687	585	537		81	
		5	45380	617	577		81	
		6	42229	637	536		80	
		7	37082	651	625		80	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB DT-1150	750	1	105892	685	541	38/13	90	2060
		2	96343	841	722		89	
		3	88279	949	849		89	
		4	82125	1014	928		87	
		5	75547	1069	996		86	
		6	70242	1107	1044		86	
		7	62390	1140	1090		86	
	495	1	69890	453	358		86	
		2	63587	556	478		85	
		3	58265	627	561		85	
		4	54204	670	614		83	
		5	49862	707	658		82	
		6	46361	732	690		82	
		7	41178	753	720		82	
	800	1	117987	684	506	47/16	92	2147
		2	109711	843	689		91	
		3	100162	999	873		91	
		4	87854	1156	1057		89	
		5	80427	1223	1140		88	
		6	72152	1281	1214		88	
		7	65998	1299	1245		88	
	528	1	77872	452	335		87	
		2	72410	557	456		86	
		3	66108	662	577		86	
		4	57985	764	699		85	
		5	53083	808	753		84	
		6	47615	840	796		84	
		7	43560	860	823		84	
	850	1	126051	788	585	55/18.5	94	2272
		2	116289	986	813		92	
		3	104831	1184	1043		93	
		4	93796	1326	1213		91	
		5	85728	1396	1302		90	
		6	78518	1458	1379		90	
		7	70242	1490	1427		89	
	561	1	83195	521	387		89	
		2	76752	652	538		87	
		3	69189	782	689		88	
		4	61900	870	796		86	
		5	56584	926	864		86	
		6	51823	963	911		86	
		7	46361	984	943		85	

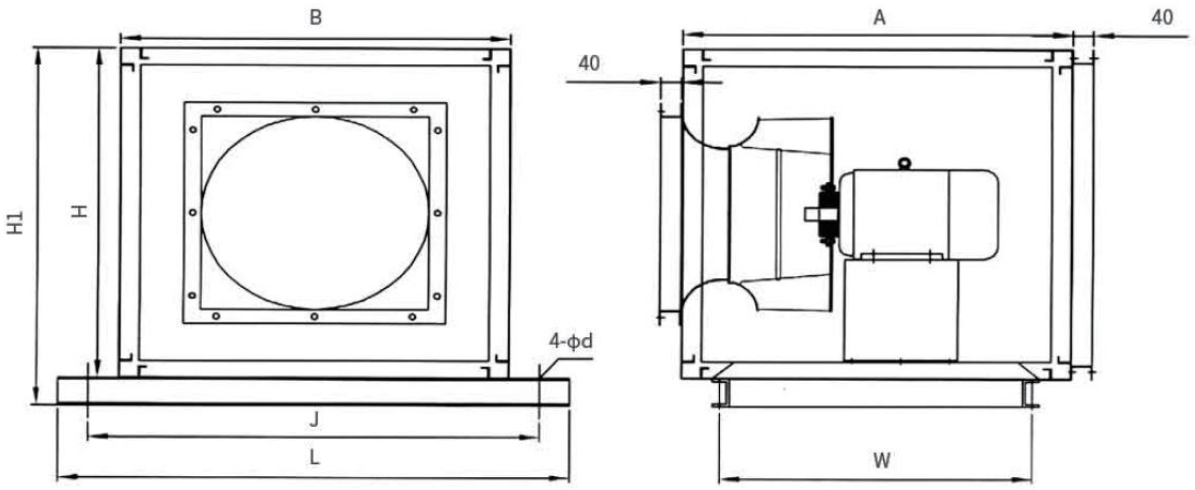
Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB DT-1150	950	1	144433	843	570	70/25	97	2287
		2	130587	1172	954		95	
		3	120083	1383	1198		95	
		4	109340	1556	1403		94	
		5	99075	1680	1554		92	
		6	89526	1770	1667		92	
		7	74247	1826	1755		91	
	627	1	95327	557	381		92	
		2	86188	775	631		90	
		3	79256	914	792		90	
		4	72165	1028	927		89	
		5	65391	1110	1027		87	
		6	59082	1163	1095		87	
		7	49004	1206	1159		86	
HTFB- DT-1250	640	1	112045	710	599	38/13	88	2254
		2	102921	810	718		89	
		3	94433	884	B06		87	
		4	87854	928	861		86	
		5	78093	981	928		86	
		6	71509	996	951		85	
		7	63663	998	963		85	
	422	1	73951	470	397		84	2254
		2	67929	536	475		85	
		3	62327	584	533		83	
		4	57985	614	569		82	
		5	51542	648	614		82	
		6	47195	656	627		81	
		7	42019	660	637		81	
	680	1	127748	696	554	47/16	90	234
		2	117987	829	707		90	
		3	106953	953	853		89	
		4	95918	1043	963		87	
		5	89128	1087	1018		87	
		6	81064	1128	107		87	
		7	72152	1142	1097		87	
	449	1	84315	460	367		86	
		2	77872	548	468		86	
		3	70590	630	564		85	
		4	63307	689	637		83	
		5	58826	718	673		83	
		6	53503	746	708		83	
		7	47621	755	725		83	

Model	Speed (r/min)	Point	Air flow (m3/h)	Full Pressure (Pa)	Static Pressure (Pa)	power (kw)	Noise dB(A)	Weight (kg)
HTFB-DT-1250	730	1	138226	776	609	55/18.5	92	2466
		2	127244	937	796		91	
		3	116263	1073	955		91	
		4	104088	1186	1091		89	
		5	93823	1256	1179		88	
		6	85706	1297	1233		88	
		7	76873	1309	1257		88	
	482	1	91230	513	403		87	
		2	83982	619	526		86	
		3	76735	709	631		86	
		4	68699	784	721		85	
		5	61924	830	779		84	
		6	56567	857	815		84	
		7	50737	865	831		84	
	800	1	154698	927	718	70/25	95	2481
		2	144512	1098	916		94	
		3	132417	1274	1121		94	
		4	116820	1444	1325		92	
		5	103133	1549	1456		91	
		6	91674	1604	1531		91	
		7	88173	1610	1542		91	
	528	1	102096	607	469		90	
		2	95379	726	606		89	
		3	87396	842	741		89	
		4	77096	948	870		87	
		5	68069	1023	962		86	
		6	60506	1060	1011		86	
		7	58195	1064	1019		86	
	850	1	158995	710	466	84/28	98	2581
		2	149542	909	692		96	
		3	132353	1208	1038		96	
		4	116311	1420	1288		95	
		5	104565	1528	1421		93	
		6	91674	1614	1532		93	
		7	83080	1633	1566		92	
	561	1	104938	470	308		93	
		2	98698	599	458		91	
		3	87354	798	686		91	
		4	76766	938	851		90	
		5	69014	1009	939		88	
		6	60506	1066	1012		88	
		7	54834	1079	1035		87	

VDTJ-PF

Cabinet type centrifugal fan

Cabinet type centrifugal fan with backward-inclined impeller. It features high efficiency, low noise, large flow rate, high pressure, easy installation and long service life. The backward-inclined impeller structure without volute casing is more convenient for maintenance. It is suitable for exhaust and air exchange as well as use in purification workshops. It has sufficient static pressure to be matched with the installation of primary, medium and high-efficiency filters.



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Model	Cabinet Size(mm)				Airin (mm)	Airout (mm)	Base Size (mm)			4-φd
	A	B	H	H1			L	J	W	
250	500	500	500	563	300*300	400*400	790	630	360	14
280	530	530	530	593	340*340	430*430	820	660	370	14
315	600	600	600	663	400*400	500*500	890	690	440	14
355	620	620	620	683	440*440	520*520	910	710	460	14
400	680	680	680	743	480*480	580*580	970	770	500	14
450	780	780	780	960	530*530	680*680	1080	880	590	14
500	900	900	900	980	600*600	800*800	1200	1000	710	14
560	960	960	960	1040	650*650	860*860	1260	1060	770	14
630	1010	1010	1010	1090	730*730	910*910	1310	1110	810	14
710	1130	1130	1130	1210	820*820	1030*1030	1430	1230	850	14
800	1250	1250	1250	1330	920*920	1150*1150	1550	1350	930	14
900	1400	1400	1400	1550	1020*1020	1300*1300	1700	1500	1060	14
1000	1550	1550	1550	1650	1120*1120	1450*1450	1950	1750	1300	14

Model	Speed (r/min)	Point	Air Volume (m^3/h)	Total pressure (Pa)	Static pressure (Pa)	Noise dB(A)	Motor	Weight (kg)
250	1470	1	502	180	174	⩽ 61	0.18kW-4	35
		2	612	172	158			
		3	798	163	145			
		4	1011	146	126			
		5	1102	137	113			
		6	1189	125	95			
	2900	1	1025	895	867	⩽ 74	0.75kW-2	38
		2	1389	802	738			
		3	1521	712	631			
		4	1725	638	549			
		5	2011	508	419			
		6	2315	335	255			
280	1470	1	890	245	237	⩽ 64	0.37kW-4	45
		2	1020	230	212			
		3	1128	200	177			
		4	1289	192	165			
		5	1405	168	139			
		6	1525	148	112			
	2900	1	1660	958	928	⩽ 76	1.1kW-2	62
		2	1850	844	776			
		3	2015	780	692			
		4	2200	761	655			
		5	2370	678	559			
		6	2600	589	448			
315	1470	1	1350	300	291	⩽ 65	0.55kW-4	58
		2	1605	281	258			
		3	1859	260	231			
		4	2057	212	183			
		5	2168	186	153			
		6	2299	155	118			
	2900	1	1790	1120	1085	⩽ 79	1.5kW-2	72
		2	2320	1058	973			
		3	2705	982	871			
		4	3100	825	710			
		5	3521	782	645			
		6	3998	625	475			

Model	Speed (r/min)	Point	Air Volume (m^3/h)	Total pressure (Pa)	Static pressure (Pa)	Noise dB(A)	Motor	Weight (kg)
355	1450	1	840	426	424	⩽ 67	0.55kW-4	83
		2	1159	431	425			
		3	2035	372	357			
		4	2634	276	252			
		5	3251	162	124			
		6	3562	105	92			
	2900	1	1741	1832	1823	⩽ 79	2.2kW-2	106
		2	2401	1850	1828			
		3	4310	1588	1534			
		4	5459	1187	1084			
		5	6736	695	532			
		6	7256	515	391			
400	1450	1	1050	540	538	⩽ 68	0.75kW-4	97
		2	2325	524	511			
		3	3321	433	407			
		4	4076	323	285			
		5	4719	226	174			
		6	5235	178	142			
	2900	1	2175	2315	2306	⩽ 82	4kW-2	133
		2	4815	2248	2193			
		3	6880	1855	1747			
		4	8443	1387	1221			
		5	9774	968	748			
		6	10892	625	556			
450	1450	1	1680	735	731	⩽ 69	1.1kW-4	107
		2	4304	647	620			
		3	5293	532	492			
		4	6123	427	373			
		5	7076	300	228			
		6	7986	253	187			
	2900	1	3516	3218	3199	⩽ 83	5.5kW-2	136
		2	9008	2832	2712			
		3	11078	2331	2156			
		4	12813	1871	1632			
		5	14809	1315	998			
		6	161B0	1025	556			

Model	Speed (r/min)	Point	Air Volume (m^3/h)	Total pressure (Pa)	Static pressure (Pa)	Noise dB(A)	Motor	Weight (kg)
500	1450	1	2100	932	928	⩽ 70	2.2kW-4	123
		2	3447	949	939			
		3	6301	842	805			
		4	8086	638	579			
		5	9281	385	302			
		6	11231	301	267			
	2900	1	4333	3968	3950	⩽ 85	11kW-2	153
		2	7113	4039	3997			
		3	13001	3584	3427			
		4	16685	2716	2462			
		5	19769	1640	1287			
		6	21721	1315	1129			
560	960	1	1706	465	463	⩽ 66	1.1kW-6	215
		2	3092	473	466			
		3	5600	408	389			
		4	7302	288	255			
		5	7989	230	191			
		6	8397	156	101			
	1450	1	2625	1092	1088	⩽ 70	4kW-4	238
		2	4758	1109	1095			
		3	8614	958	912			
		4	11233	676	600			
		5	12291	540	448			
		6	13256	322	217			
	2900	1	8623	3720	3620	⩽ 85	18.5kW-2	352
		2	10453	3669	351			
		3	12614	3512	3425			
		4	14540	3273	3027			
		5	16594	2940	2710			
		6	20510	2613	2322			
630	960	1	2418	647	645	⩽ 70	2.2kW-6	285
		2	4536	663	654			
		3	7994	568	544			
		4	10334	426	386			
		5	11815	309	256			
		6	13521	185	136			
	1450	1	3677	1497	1492	⩽ 76	5.5kW-4	318
		2	6900	1532	1514			
		3	12158	1315	1259			
		4	15717	987	894			
		5	17970	714	592			
		6	19325	534	422			

Model	Speed (r/min)	Point	Air Volume (m^3/h)	Total pressure (Pa)	Static pressure (Pa)	Noise dB(A)	Motor	Weight (kg)
710	960	1	3150	788	784	⩽ 73	4kW-6	398
		2	6061	816	806			
		3	10611	693	666			
		4	13742	570	526			
		5	16979	389	321			
		6	18256	178	125			
	1450	1	4758	1797	1790	⩽ 82	11kW-4	450
		2	9174	1864	1844			
		3	16064	1583	1524			
		4	20795	1304	1202			
		5	25671	888	734			
		6	28362	527	426			
800	960	1	12194	1030	998	⩽ 76	5.5kW-6	536
		2	14114	990	911			
		3	16034	925	820			
		4	17954	840	723			
		5	19806	743	613			
		6	21589	642	488			
	1450	1	18699	2343	2271	⩽ 83	22kW-4	658
		2	21491	2251	2070			
		3	24696	2082	1846			
		4	27489	1888	1626			
		5	30282	1665	1373			
		6	33590	1377	1047			
900	960	1	17344	1308	1203	⩽ 77	15kW-6	668
		2	20743	1236	1096			
		3	23463	1145	986			
		4	28571	914	736			
		5	29728	884	672			
		6	35256	535	428			
	720	1	15000	700	684	⩽ 83	5.5kW-8	649
		2	18000	600	577			
		3	21000	500	469			
		4	24500	400	358			
		5	26000	300	252			
		6	28000	200	145			
1000	960	1	31878	1381	1225	⩽ 78	18.5kW-6	789
		2	35556	1239	1067			
		3	38970	1091	899			
		4	42515	929	706			
		5	49850	795	654			
		6	55262	512	378			
	720	1	20000	781	800	⩽ 85	7.5kW-8	762
		2	25000	700	670			
		3	30000	600	558			
		4	33000	500	450			
		5	38000	400	333			
		6	41000	300	222			

VHTF
Axial Flow Fire Smoke Exhaust Fan

The VHTF type axial flow fire smoke exhaust fan features excellent performance, high temperature resistance, less floor space occupation compared to centrifugal fans, and easy installation.

It can operate continuously for more than 30 minutes under the condition of 280° and for more than 20 hours under the condition of 100°.

Model	Descriptions
VHTF01-1	Normal pressure, single speed
VHTF01-2	Normal pressure, double speed
VHTF02-1	Medium pressure, single speed, Diagonal Flow
VHTF02-2	Medium pressure, single speed, Diagonal Flow

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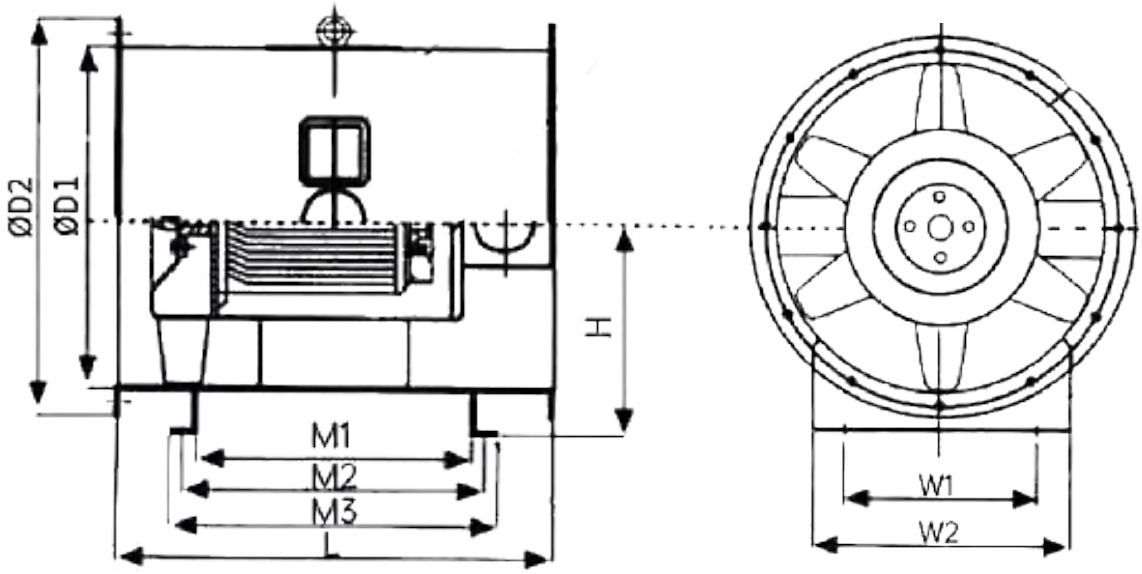
• VHTF01-1 Specifications:



Model	D1	D2	L		M1		M2		M3		W1	W2	H	N
			B	B-II	B	B-II	B	B-II	B	B-II				
3.5#	360	420	400		220		260		300		180	250	240	4-φl1
4#	410	470	430		250		290		330		200	300	265	4-φ11
4.5#	460	520	470		290		330		370		240	350	290	4-φll
5#	510	570	510	510	330	330	370	370	410	410	300	400	315	4-φ13
5.5#	565	625	530		350		390		430		300	400	355	4-φ13
6#	610	690	610	610	350	350	400	400	450	450	400	500	380	4-φ16
6.5#	660	740	630		370		420		470		400	500	402	4-φ16
7#	720	800	650	730	390	470	440	520	490	570	500	600	428	4-φ16
8#	810	890	670	750	410	490	460	540	510	590	500	600	487	4-φ16
9#	910	1010	770	810	470	510	520	560	570	610	600	700	550	4-φ16
10#	1010	1110	770	810	470	510	520	560	570	610	600	700	600	4-φ16
11#	1110	1210	830	890	510	570	570	630	630	690	700	800	650	4-φ19
12#	1210	1310	930	930	610	610	670	670	730	730	800	900	700	4-φ19
13#	1310	1430	930	930	610	610	670	670	730	730	800	900	750	4-φ19
14#	1410	1530	930	930	610	610	670	670	730	730	900	1000	800	4-φ19
15#	1510	1630	930	930	610	610	670	670	730	730	900	1000	850	4-φ19
16#	1610	1730	990	990	670	670	730	730	790	790	1000	1100	900	4-φ19

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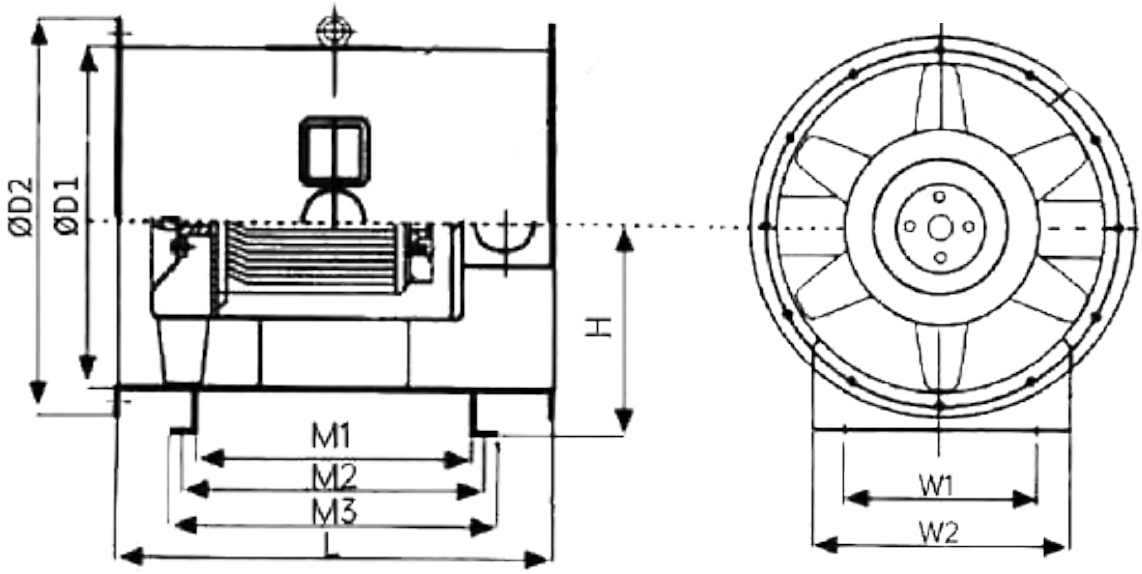
Model	Fan Dia. (mm)	Airvolume (m^3/h)	Total Pressure (pa)	Speed (rpm)	Power (kW)	Noise dB(A)	Weight (kg)
No3.5	350	6122	205	2900	1.1	⩽ 76	65
		5500	350				
		5008	368				
		4268	482				
		3500	552				
No4	400	6524	383	2900	1.5	⩽ 78	75
		6122	424				
		5232	483				
		4868	505				
		4525	530				
No4.5	450	7981	508	2900	2.2	⩽ 79	90
		6886	522				
		5886	588				
		5442	636				
		5023	698				
No5	500	9824	510	2900	3	⩽ 80	110
		9544	552				
		8861	610				
		8040	680				
		6817	752				
No5.5	550	12693	536	2900	4	⩽ 86	115
		12000	592				
		10920	643				
		9066	692				
		8256	756				
No6	600	16090	510	2900	5.5	⩽ 86	164
		15718	552				
		15102	610				
		14302	680				
		13197	760				
No6.5	650	21652	512	1450	5.5	⩽ 88	170
		19780	558				
		18000	620				
		17120	668				
		16254	702				
No7	700	24380	610	1450	7.5	⩽ 88	208
		23570	630				
		22439	655				
		20784	676				
		18908	728				
No8	800	31421	600	1450	7.5	⩽ 89	216
		30364	635				
		29172	661				
		28598	692				
		26012	723				

Model	Fan Dia. (mm)	Airvolume (m^3/h)	Total Pressure (pa)	Speed (rpm)	Power (kW)	Noise dB(A)	Weight (kg)
No9	900	33510	562	1450	11	⩽ 90	250
		32961	628				
		32297	668				
		30350	765				
		27513	840				
No10	1000	45679	630	1450	11	⩽ 90	300
		42960	665				
		40000	690				
		38200	736				
		35000	770				
No11	1100	53126	516	1450	15	⩽ 92	380
		51552	580				
		50128	647				
		48500	690				
		46658	726				
No12	1200	65862	582	960	18.5	⩽ 93	480
		62763	624				
		59300	680				
		58642	712				
		57748	740				
No13	1300	74708	600	960	18.5	⩽ 94	520
		71120	672				
		65370	710				
		61652	765				
		56031	807				
No14	1400	85511	612	960	22	⩽ 95	590
		79033	676				
		74111	718				
		68823	768				
		63312	812				
No15	1500	93800	623	960	22	⩽ 95	650
		90650	676				
		86115	710				
		B2236	772				
		76041	819				
No16	1600	120233	652	960	30	⩽ 96	740
		113498	704				
		109686	762				
		99506	842				
		91210	912				

• VHTF01-2 Specifications:



Model	D1	D2	L		M1		M2		M3		W1	W2	H	N
			B	B-II	B	B-II	B	B-II	B	B-ll				
4#	410	470	525		345		385		425		200	300	265	4-φl1
4.5#	460	520	555		375		415		455		240	350	290	4-φl1
5#	510	570	595		415		455		495		300	400	315	4-φ13
5.5#	565	625	645		465		505		545		300	400	355	4-φ13
6#	610	690	735	610	475	350	525	400	575	450	400	500	380	4-φ16
6.5#	660	740	755		495		545		595		400	500	402	4-φ16
7#	720	800	780	780	520	520	570	570	620	620	500	600	428	4-φ16
8#	810	890	825	865	565	605	615	655	665	705	500	600	487	4-φ16
9#	910	1010	875	920	575	620	625	670	675	720	600	700	550	4-φ16
10#	1010	1110	875	920	575	620	625	670	675	720	600	700	600	4-φ16
11#	1110	1210	1020	1020	700	700	760	760	820	820	700	800	550	4-φ19
12#	1210	1310	1020	1020	700	700	760	760	820	820	800	900	700	4-φ19
13#	1310	1430	1095	1095	775	775	835	835	895	895	800	900	750	4-φ19
14#	1410	1530	1160	1160	840	840	900	900	960	960	900	1000	800	4-φ19
15#	1510	1630	1160	1160	840	840	900	900	960	960	900	1000	850	4-φ19
16#	1610	1730	1320		1000		1060		1120		1000	1100	900	4-φ19
16#	1610	1730	990	990	670	670	730	730	790	790	1000	1100	900	4-φ19

Model	Fan Dia. (mm)	Airvolume (m^3/h)	Total Pressure (pa)	Speed (rpm)	Power (kW)	Noise dB(A)	Weight (kg)
No5	500	9824	510	2900	3/2.4	⩽ 80	115
		9544	552				
		8861	610				
		8040	680				
		6817	752				
		4912	127	1450		⩽ 75	
		4772	138				
		4431	153				
		4020	170				
		3410	188				
No6	600	16090	510	2900	5.5/4.5	⩽ 86	165
		15718	552				
		15102	610				
		14302	680				
		13197	760				
		8045	127	1450		⩽ 75	
		7859	138				
		7551	153				
		7151	170				
		6599	190				
No7	700	24380	610	1450	8/6.5	⩽ 88	220
		23570	630				
		22439	655				
		20784	676				
		18908	728				
		16141	267	960		⩽ 80	
		15605	276				
		14865	287				
		13856	296				
		12518	319				
No8	800	31421	600	1450	8/6.5	⩽ 89	230
		30364	635				
		29172	661				
		28598	692				
		26012	723				
		20800	263	960		⩽ 80	
		20103	278				
		19314	290				
		18934	303				
		17222	317				
No9	900	33510	562	1450	11/9	⩽ 90	250
		32961	628				
		32294	668				
		30350	765				
		27513	840				
		22186	246	960		⩽ 81	
		21822	275				
		21383	293				
		20094	335				
		18216	368				
No10	1000	45679	630	1450	11/9	⩽ 90	305
		42960	665				
		40000	690				
		38200	736				
		35000	770				
		30255	276	960		⩽ 81	
		28442	291				
		26483	302				
		25291	322				
		24019	338				

Model	Fan Dia. (mm)	Airvolume (m^3/h)	Total Pressure (pa)	Speed (rpm)	Power (kW)	Noise dB(A)	Weight (kg)
No11	1100	53126	516	1450	16/13	⩽ 92	390
		51552	580				
		50128	647				
		48500	690				
		46658	726				
		39844	290	960		⩽ 83	
		38664	326				
		37596	364				
		36375	387				
		34994	408				
No12	1200	65862	582	960	17/8.5	⩽ 93	485
		62763	624				
		59300	680				
		58642	712				
		55651	740				
		49396	327	720		⩽ 85	
		47072	351				
		44475	383				
		43982	400				
		43311	416				
No13	1300	74708	600	960	17/8.5	⩽ 94	525
		71120	672				
		65370	710				
		61652	765				
		56031	807				
		56031	338	720		⩽ 84.5	
		53340	378				
		49027	399				
		46989	430				
		42023	454				
No14	1400	85511	612	960	21/11	⩽ 95	615
		79033	676				
		74111	718				
		68823	768				
		63312	812				
		64133	344	720		⩽ 85	
		59275	380				
		55583	399				
		51617	432				
		47484	458				
No15	1500	93800	623	960	21/11	⩽ 95	655
		90650	676				
		86115	710				
		82236	772				
		76041	819				
		70350	350	720		⩽ 85	
		67988	380				
		64586	401				
		61677	434				
		57031	461				
No16	1600	120233	652	960	30/15	⩽ 96	780
		113498	704				
		109686	762				
		99506	842				
		91210	912				
		90175	366	720		⩽ 86	
		85116	396				
		82265	428				
		74630	473				
		68408	513				

• VHTF02-1 Specifications:

Model	Fan Dia. (mm)	Airvolume (m^3/h)	Total Pressure (pa)	Speed (rpm)	Power (kW)	Noise dB(A)	Weight (kg)
No4	400	7587	1087	2900	4	⩽ 79	85
		7335	1167				
		6873	1282				
		6481	1356				
		6061	1406				
No4.5	450	9354	1051	2900	5.5	⩽ 80	110
		8429	1106				
		7353	1165				
		5778	1226				
		5002	1291				
No5	500	12832	815	2900	5.5	⩽ 82	125
		11562	1057				
		10087	1091				
		7925	1223				
		6862	1381				
No5.5	550	16795	874	2900	7.5	⩽ 85	135
		15283	972				
		13907	1080				
		12516	1335				
		11264	1483				
No6	600	20531	954	2900	11	⩽ 88	170
		19732	1220				
		18898	1389				
		17092	1463				
		15598	1540				
No6.5	650	25192	1033	1450	11	⩽ 88	190
		23848	1088				
		22656	1146				
		21523	1206				
		20446	1270				
No7	700	31490	1199	1450	15	⩽ 89	215
		29811	1262				
		28320	1329				
		26904	1399				
		25558	1473				
No8	800	37437	981	1450	18.5	⩽ 89	250
		36015	1090				
		34493	1211				
		31196	1346				
		28469	1496				

Model	Fan Dia. (mm)	Airvolume (m^3/h)	Total Pressure (pa)	Speed (rpm)	Power (kW)	Noise dB(A)	Weight (kg)
No9	900	44480	1110	1450	22	⩽ 91	300
		42263	1233				
		40150	1371				
		38142	1415				
		36276	1490				
No10	1000	53701	984	1450	22	⩽ 92	330
		51611	1094				
		49431	1215				
		44706	1350				
		40798	1437				
Nol1	1100	60096	1170	960	30	⩽ 91	520
		57091	1232				
		54236	1296				
		51524	1365				
		48948	1437				
No12	1200	70100	1205	960	30	⩽ 92	670
		63090	1268				
		56781	1335				
		51102	1406				
		45992	1480				
No13	1300	88768	990	960	37	⩽ 93	730
		79000	1100				
		70130	1223				
		62578	1359				
		56320	1510				
No14	1400	90259	1028	960	45	⩽ 94	840
		83362	1143				
		76872	1270				
		68150	1411				
		58009	1568				
No15	1500	116520	912	960	45	⩽ 95	880
		105820	1052				
		96448	1168				
		60460	1278				
		82645	1412				
No16	1600	141086	910	720	55	⩽ 94	960
		122152	1064				
		112142	1185				
		99678	1298				
		87352	1465				

• VHTF02-2 Specifications:

Model	Fan Dia. (mm)	Airvolume (m^3/h)	Total Pressure (pa)	Speed (rpm)	Power (kW)	Noise dB(A)	Weight (kg)
No6	600	12969	579	1450	4.7/1.5	⩽ 84	210
		12118	631				
		10132	798				
		7496	838				
		6626	850				
		8586	254	960		⩽ 75	
		8023	276				
		6708	250				
		5272	367				
		4387	372				
No7	700	27185	788	1450	11/9	⩽ 89	270
		25401	860				
		21239	1086				
		16693	1141				
		13890	1157				
		17998	345	960		⩽ 80	
		16817	376				
		14061	476				
		11052	500				
		9196	507				
No8	800	35381	826	1450	16/13	⩽ 90	310
		31703	1039				
		28850	1083				
		22825	1220				
		17690	1304				
		23424	362	960		⩽ 81	
		20990	455				
		19100	474				
		15112	535				
		11712	571				
No9	900	44488	1110	1450	22/18.5	⩽ 91	340
		42263	1233				
		40150	1371				
		38142	1415				
		36276	1490				
		29451	486	960		⩽ 82	
		27978	540				
		26579	600				
		25250	620				
		24015	652				
No10	1000	53701	984	1450	22/18.5	⩽ 92	390
		51611	1094				
		49431	1215				
		44706	1350				
		40798	1437				
		35550	431	960		⩽ 83	
		34166	479				
		32723	532				
		29595	591				
		27008	629				

Model	Fan Dia. (mm)	Airvolume (m^3/h)	Total Pressure (pa)	Speed (rpm)	Power (kW)	Noise dB(A)	Weight (kg)
Nol1	1100	60096	1170	960	30/15	⩽ 91	630
		57091	1232				
		51236	1296				
		51524	1365				
		48948	1437				
		45072	658	720		⩽ 82	
		42818	693				
		40677	729				
		38643	768				
		36711	808				
No12	1200	70100	1205	960	30/15	⩽ 92	750
		63090	1268				
		56781	1335				
		51102	1406				
		45992	1480				
		52575	678	720		⩽ 83	
		47318	713				
		42585	751				
		38326	791				
		34494	832				
No13	1300	88768	990	960	37/18	⩽ 93	850
		79000	1100				
		70130	1223				
		62578	1359				
		56320	1510				
		66576	557	720		⩽ 84	
		59250	618				
		52598	668				
		46834	764				
		42240	849				
No14	1400	90259	1028	960	45/22	⩽ 94	930
		83362	1143				
		76872	1270				
		68150	1411				
		48009	1568				
		67694	578	720		⩽ 85	
		62522	643				
		57654	714				
		51113	794				
		43506	882				
No15	1500	116520	912	960	45/22	⩽ 95	970
		105820	1052				
		96448	1168				
		90460	1278				
		82645	1412				
		87690	513	720		⩽ 86	
		79365	592				
		72336	657				
		67845	719				
		61984	794				

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