



VOLTA EGYPT
AIR SOLUTIONS



For comfort, Safety and easy installation

BVF-DVF
Series

Fan Coil Unit
120 - 1900 L/s
(250 - 4000 cfm)



● Design

Volta offers standard and custom design products for nominal and high capacities air volume, design has the ability to accommodate architect designs needs with different solutions.

● Save

Volta emphasizes on energy saving products by applying modern hookup and control systems.

● QUALITY

Volta uses best materials, components and high quality assurance system in manufacturing process.

● Functional

Volta fan coil units models are suitable for all applications (Hotels , Residentials, Hospitals, Education Facilities,...etc.).

Volta fan coil units are suitable for 2 and 4 pipes system applications.

● Efficient

Volta fan coil units are designed for better efficiency, quiet and long life time operation.

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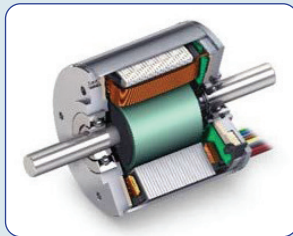
FAN

Fans are centrifugal, forward curved double inlet direct connected type, statically and dynamically balanced.



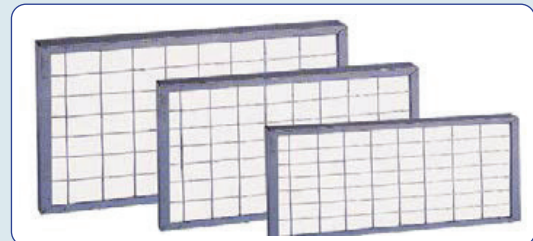
CASING

1 mm galvanized steel housing fully lined with acoustic and thermal insulation.



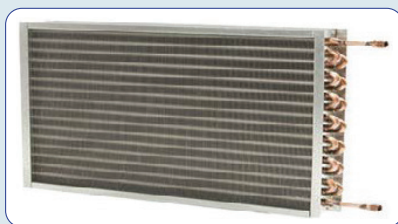
MOTOR

Motors are 3 speeds tap wound; permanent split capacitor type with thermal overload protection. Brushless motors are available as an option.



FILTER

Pre filters are made from high quality synthetic fiber. Aluminum filters are available as an option.



HEAT EXCHANGER COIL

Coils are fabricated from copper tubes and aluminum fins mechanically bonded to the tubes, Includes manual air vent discharging. All coils are factory tested.



DRAIN PAN

Drain pans are fabricated from 1mm galvanized steel, thermally insulated. Extended drain pan is available as an option.



BVF

120 TO 570 L/s
(250 - 1200 cfm)

Unit description

BVF series is blow through ceiling concealed ducted units, This slim series is ideal solution for quiet operation.



DVF

140 TO 1900 L/s
(300 - 4000 cfm)

Unit description

DVF series is draw through ceiling concealed ducted units, This series is ideal solution for high capacities and best cooling coil performance including district cooling applications.



BVF Series

Series	No. of Coil Rows Model	3 ROWS			4 ROWS		
		23	33	43	24	34	44
Maximum air flow rate⁽¹⁾							
At high speed	L/s	320	360	425	320	360	425
Maximum Total cooling capacity at High Speed⁽²⁾							
Capacity	KW	5.5	6.5	8.5	7.5	8.5	10.5
Air Outlet Temperature DB/WB	°C	16.5	16	15	14	13.5	13.5
Chilled water flow	L/s	0.23	0.28	0.35	0.31	0.37	0.45
Chilled water Pressure Drop	KPa	5.9	10.1	17.1	13.5	22.1	35.7
Coil No. of Rows		3	3	3	4	4	4
Headers Connection In/Out	mm	12.7	12.7	12.7	12.7	12.7	12.7
Sound Power level							
Low	dB(A)	41	45	44	41	45	44
Medium	dB(A)	44	47	46	44	47	46
High	dB(A)	48	50	51	48	50	51
No. of Fans	Qty.	2	2	2	2	2	2
Max absorbed Power	Watt	50	75	100	50	75	100
Electric power Supply	V-Ph-Hz	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50
Weight	Kg	21	27	29	25	28	40

(1) Based on high speed @ 50 Pa ESP

(2) Based on inlet air temperature 26.6 °C DB / 19.4 °C WB and water temperature inlet 6.6 °C / ΔTw 5.5 °C.

Selection software will be used for other data different from the tabulated ones.



DVF Series

Series	No. of Coil Rows Model	3 ROWS			4 ROWS	
		33	43	53	44	64
Maximum air flow rate⁽¹⁾						
At High Speed	L/s	395	465	615	465	640
Maximum Total cooling capacity at High Speed⁽²⁾						
Capacity	KW	6.5	8	11	10.5	14
Air Outlet Temperature DB/WB	°C	16.5	16	16	14	13.5
Chilled water flow	L/s	0.28	0.35	0.47	0.44	0.6
Ch. water Pressure Drop	KPa	9.6	16.1	15.1	20.1	22.1
Coil No. of Rows		3	3	3	4	4
Headers Connection In/Out	mm	12.7	19.1	25.4	19.1	25.4
Sound Power level						
Low	dB(A)	55	55	58	53	58
Medium	dB(A)	58	57	60	57	61
High	dB(A)	60	62	64	61	65
No. of Fans	Qty.	2	2	2	2	2
Max absorbed Power	Watt	100	160	250	160	400
Electric power Supply	V-Ph-Hz	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50
Weight	Kg	42	47	61	50	65

(1) Based on high speed @ 50 Pa ESP

(2) Based on inlet air temperature 26.6 °C DB / 19.4 °C WB and water temperature inlet 6.6 °C / ΔTw 5.5 °C.

Selection software will be used for other data different from the tabulated ones.



DVF Series

Series	No. of Coil Rows Model	3 ROWS			4 ROWS		
		73	83	113	94	144	164
Maximum air flow rate⁽¹⁾							
At High Speed	L/s	775	855	1185	1020	1435	1640
Maximum Total cooling capacity at High Speed ⁽²⁾							
Capacity	KW	13.5	16	20	23	30	34.5
Air Outlet Temperature DB/WB	°C	16.5	16	16.5	14	14.5	14.5
Chilled water flow	L/s	0.56	0.68	0.86	0.98	1.29	1.47
Chilled water Pressure Drop	Pa	15.1	26.1	21.1	34.2	37.2	38.1
Coil No. of Rows		3	3	3	4	4	4
Headers Connection In/Out	mm	25.4	25.4	25.4	25.4	25.4	25.4
Sound Power level							
Low	dB(A)	55	54	58	56	58	59
Medium	dB(A)	57	57	62	58	60	65
High	dB(A)	60	59	64	60	65	66
No. of Fans	Qty.	3	4	3	4	3	3
Max absorbed Power	Watt	390	400	600	500	750	750
Electric power Supply	V-Ph-Hz	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50
Weight	Kg	70	85	95	90	100	100

(1) Based on high speed @ 50 Pa ESP.

(2) Based on inlet air temperature 26.6 °C DB / 19.4 °C WB and water temperature inlet 6.6 °C / ΔTw 5.5 °C .

Selection software will be used for other data different from the tabulated ones

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Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 1			
	25 Pa	40 Pa	50 Pa	75 Pa
1	365	350	320	250
2	335	310	285	230
3	285	275	265	215
4	250	240	230	205
5	225	215	210	180
6	210	200	195	165

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 2			
	25 Pa	40 Pa	50 Pa	75 Pa
1	350	330	295	230
2	310	305	275	225
3	280	270	255	200
4	250	240	225	190
5	215	210	205	175
6	200	195	190	155

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 3			
	25 Pa	40 Pa	50 Pa	75 Pa
1	335	305	275	200
2	310	285	255	195
3	270	255	230	180
4	245	230	215	170
5	215	205	200	160
6	195	190	180	150

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 4			
	25 Pa	40 Pa	50 Pa	75 Pa
1	315	285	245	175
2	290	265	240	170
3	255	240	220	165
4	230	225	205	155
5	205	200	185	145
6	190	180	170	135

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 5			
	25 Pa	40 Pa	50 Pa	75 Pa
1	290	270	230	160
2	270	255	215	155
3	250	235	205	150
4	225	215	190	145
5	200	195	175	135
6	185	180	165	125

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Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 1			
	25 Pa	40 Pa	50 Pa	75 Pa
1	425	400	360	310
2	390	370	330	295
3	340	330	305	280
4	300	280	275	255
5	265	260	255	245
6	245	240	235	220

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 2			
	25 Pa	40 Pa	50 Pa	75 Pa
1	410	385	335	285
2	380	355	320	275
3	335	320	290	265
4	295	280	265	240
5	265	245	240	220
6	245	210	225	210

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 3			
	25 Pa	40 Pa	50 Pa	75 Pa
1	405	330	315	260
2	365	315	295	250
3	325	290	280	240
4	290	260	250	230
5	260	240	230	215
6	240	220	215	205

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 4			
	25 Pa	40 Pa	50 Pa	75 Pa
1	395	320	305	245
2	355	295	275	230
3	315	275	255	230
4	280	255	245	215
5	250	235	230	210
6	235	220	215	200

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 5			
	25 Pa	40 Pa	50 Pa	75 Pa
1	370	305	270	240
2	340	285	265	225
3	305	270	250	220
4	275	250	240	210
5	245	230	225	205
6	225	215	210	195

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Air Quantity (L/s) at different External Static Pressure

Speed

Based on the external static pressure at speed 1

	25 Pa	40 Pa	50 Pa	75 Pa
1	520	480	425	335
2	495	455	400	320
3	440	410	360	300
4	385	370	330	280
5	330	310	275	255
6	275	260	245	225

Air Quantity (L/s) at different External Static Pressure

Speed

Based on the external static pressure at speed 2

	25 Pa	40 Pa	50 Pa	75 Pa
1	495	445	405	325
2	455	425	385	315
3	410	385	345	295
4	360	340	305	275
5	305	285	270	250
6	250	235	230	220

Air Quantity (L/s) at different External Static Pressure

Speed

Based on the external static pressure at speed 3

	25 Pa	40 Pa	50 Pa	75 Pa
1	475	425	370	310
2	440	405	360	305
3	400	370	335	280
4	345	325	290	265
5	290	275	260	245
6	235	230	225	215

Air Quantity (L/s) at different External Static Pressure

Speed

Based on the external static pressure at speed 4

	25 Pa	40 Pa	50 Pa	75 Pa
1	445	410	345	290
2	410	385	325	275
3	385	360	305	270
4	335	315	275	255
5	275	265	245	230
6	225	225	220	205

Air Quantity (L/s) at different External Static Pressure

Speed

Based on the external static pressure at speed 5

	25 Pa	40 Pa	50 Pa	75 Pa
1	425	370	290	275
2	385	350	275	260
3	350	330	255	250
4	315	295	250	235
5	265	255	235	215
6	225	225	220	200

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Air Quantity (L/s) at different External Static Pressure

Speed	Based on the external static pressure at speed 1			
	25 Pa	40 Pa	50 Pa	75 Pa
1	425	410	395	335
2	400	390	380	325
3	380	360	350	305
4	330	325	310	280
5	295	290	280	250
6	255	250	245	225

Air Quantity (L/s) at different External Static Pressure

Speed	Based on the external static pressure at speed 2			
	25 Pa	40 Pa	50 Pa	75 Pa
1	425	390	370	325
2	400	380	355	310
3	365	360	330	290
4	325	320	300	270
5	290	280	260	240
6	250	240	225	215

Air Quantity (L/s) at different External Static Pressure

Speed	Based on the external static pressure at speed 3			
	25 Pa	40 Pa	50 Pa	75 Pa
1	410	370	325	250
2	390	355	310	240
3	360	330	290	235
4	325	300	270	225
5	280	260	240	205
6	240	225	215	185

Air Quantity (L/s) at different External Static Pressure

Speed	Based on the external static pressure at speed 4			
	25 Pa	40 Pa	50 Pa	75 Pa
1	395	375	335	270
2	380	360	325	265
3	350	335	305	250
4	315	300	265	235
5	275	270	250	215
6	240	235	220	190

Air Quantity (L/s) at different External Static Pressure

Speed	Based on the external static pressure at speed 5			
	25 Pa	40 Pa	50 Pa	75 Pa
1	370	340	310	240
2	355	325	295	235
3	340	310	280	220
4	300	290	250	215
5	265	255	235	190
6	225	225	210	185

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Air Quantity (L/s) at different External Static Pressure

Speed

Based on the external static pressure at speed 1

	25 Pa	40 Pa	50 Pa	75 Pa
1	515	490	465	420
2	485	455	435	395
3	435	415	405	365
4	395	385	365	330
5	355	350	330	310
6	320	320	300	280

Air Quantity (L/s) at different External Static Pressure

Speed

Based on the external static pressure at speed 2

	25 Pa	40 Pa	50 Pa	75 Pa
1	505	470	445	405
2	470	440	420	375
3	425	395	385	340
4	385	365	350	315
5	350	335	325	290
6	310	310	290	265

Air Quantity (L/s) at different External Static Pressure

Speed

Based on the external static pressure at speed 3

	25 Pa	40 Pa	50 Pa	75 Pa
1	485	455	435	370
2	455	425	405	345
3	410	380	370	325
4	370	350	340	300
5	335	320	310	270
6	305	290	280	245

Air Quantity (L/s) at different External Static Pressure

Speed

Based on the external static pressure at speed 4

	25 Pa	40 Pa	50 Pa	75 Pa
1	470	435	405	330
2	435	405	380	305
3	395	365	335	290
4	355	335	310	260
5	320	305	275	230
6	290	275	255	215

Air Quantity (L/s) at different External Static Pressure

Speed

Based on the external static pressure at speed 5

	25 Pa	40 Pa	50 Pa	75 Pa
1	460	425	395	325
2	430	395	370	300
3	385	360	325	280
4	345	325	300	250
5	310	295	265	220
6	280	265	245	205

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Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 1			
	25 Pa	40 Pa	50 Pa	75 Pa
1	660	635	615	545
2	590	565	535	485
3	520	495	475	435
4	465	445	425	395
5	405	395	365	350
6	365	350	330	310

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 2			
	25 Pa	40 Pa	50 Pa	75 Pa
1	635	615	570	495
2	565	545	520	450
3	495	480	450	405
4	435	410	390	360
5	380	365	350	320
6	345	330	315	285

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 3			
	25 Pa	40 Pa	50 Pa	75 Pa
1	600	575	530	455
2	530	500	485	410
3	460	450	425	380
4	405	390	380	345
5	355	350	330	315
6	315	310	300	270

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 4			
	25 Pa	40 Pa	50 Pa	75 Pa
1	570	545	495	415
2	500	485	445	380
3	445	430	395	345
4	390	380	360	320
5	350	335	320	290
6	310	295	290	250

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 5			
	25 Pa	40 Pa	50 Pa	75 Pa
1	560	525	465	365
2	490	460	420	345
3	435	420	380	315
4	385	370	345	285
5	340	330	305	250
6	295	285	280	235

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Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 1			
	25 Pa	40 Pa	50 Pa	75 Pa
1	710	670	640	590
2	640	620	605	545
3	575	555	540	495
4	505	485	475	435
5	435	425	415	390
6	390	375	355	335

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 2			
	25 Pa	40 Pa	50 Pa	75 Pa
1	685	645	620	565
2	625	600	590	530
3	565	540	520	475
4	495	475	455	410
5	425	415	390	365
6	380	360	335	275

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 3			
	25 Pa	40 Pa	50 Pa	75 Pa
1	665	625	600	545
2	615	590	565	515
3	545	520	500	450
4	480	460	435	400
5	410	395	375	350
6	355	350	320	290

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 4			
	25 Pa	40 Pa	50 Pa	75 Pa
1	650	600	565	495
2	590	570	505	460
3	520	495	475	425
4	475	450	415	380
5	390	375	360	330
6	335	320	305	275

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 5			
	25 Pa	40 Pa	50 Pa	75 Pa
1	625	560	530	475
2	565	545	485	425
3	505	475	445	400
4	450	425	390	345
5	360	350	335	305
6	310	295	285	250

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Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 1			
	25 Pa	40 Pa	50 Pa	75 Pa
1	835	800	775	690
2	780	760	720	655
3	735	695	685	605
4	665	640	625	565
5	605	595	580	525
6	560	540	530	495

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 2			
	25 Pa	40 Pa	50 Pa	75 Pa
1	820	780	755	680
2	765	745	710	635
3	725	685	675	595
4	660	635	625	555
5	595	585	570	515
6	550	530	520	485

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 3			
	25 Pa	40 Pa	50 Pa	75 Pa
1	810	760	725	630
2	755	725	675	605
3	695	665	640	575
4	645	625	600	525
5	585	575	550	490
6	535	520	505	460

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 4			
	25 Pa	40 Pa	50 Pa	75 Pa
1	800	740	700	615
2	745	710	660	585
3	690	650	625	545
4	635	610	580	515
5	575	560	535	480
6	525	505	485	450

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 5			
	25 Pa	40 Pa	50 Pa	75 Pa
1	790	725	690	580
2	730	690	645	555
3	675	635	605	525
4	625	600	560	495
5	565	550	520	460
6	520	490	475	430

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Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 1			
	25 Pa	40 Pa	50 Pa	75 Pa
1	935	890	855	770
2	865	840	800	725
3	800	770	755	675
4	735	710	690	625
5	665	650	635	580
6	610	590	575	540

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 2			
	25 Pa	40 Pa	50 Pa	75 Pa
1	920	870	840	755
2	855	820	795	705
3	790	755	745	660
4	725	700	680	615
5	655	640	620	570
6	600	580	565	530

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 3			
	25 Pa	40 Pa	50 Pa	75 Pa
1	905	850	805	700
2	835	800	750	670
3	760	740	710	635
4	705	685	660	585
5	635	625	600	540
6	585	5635	550	505

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 4			
	25 Pa	40 Pa	50 Pa	75 Pa
1	885	825	780	675
2	820	780	730	640
3	745	715	685	600
4	690	665	635	565
5	620	610	585	515
6	570	550	530	485

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 5			
	25 Pa	40 Pa	50 Pa	75 Pa
1	870	810	760	645
2	800	760	710	605
3	730	700	665	575
4	675	655	615	540
5	610	595	570	500
6	560	535	515	465

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Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 1			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1135	1080	1020	930
2	1045	1005	960	860
3	935	915	895	810
4	870	850	810	745
5	785	760	745	690
6	715	695	670	630

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 2			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1120	1055	1015	910
2	1025	980	965	840
3	920	900	880	790
4	855	835	795	735
5	770	745	725	680
6	700	680	655	615

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 3			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1090	1025	955	845
2	995	945	900	795
3	890	880	845	760
4	825	810	770	705
5	740	725	700	640
6	680	660	635	595

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 4			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1055	990	930	800
2	980	925	865	745
3	860	840	810	700
4	805	785	745	660
5	715	710	680	595
6	655	640	615	560

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 5			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1035	970	895	765
2	945	900	835	710
3	840	820	785	670
4	785	765	725	630
5	700	690	670	575
6	640	615	605	545

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Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 1			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1330	1265	1185	1085
2	1225	1165	1125	995
3	1065	1060	1040	950
4	1000	990	935	870
5	905	870	860	800
6	820	800	760	720

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 2			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1320	1240	1185	1065
2	1200	1140	1140	975
3	1050	1045	1020	920
4	985	970	910	855
5	885	855	825	785
6	800	785	745	705

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 3			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1280	1205	1110	990
2	1155	1095	1050	920
3	1025	1020	980	885
4	945	930	885	825
5	840	825	800	740
6	770	750	720	680

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 4			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1225	1155	1080	925
2	1140	1070	1000	855
3	975	965	930	805
4	915	900	860	755
5	810	810	780	670
6	740	75	705	635

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 5			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1200	1135	1035	890
2	1095	1040	965	815
3	950	945	905	765
4	895	880	835	720
5	790	785	765	650
6	720	700	690	620

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Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 1			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1630	1545	1435	1325
2	1490	1410	1365	1195
3	1270	1280	1250	1160
4	1205	1200	1125	1055
5	1085	1040	1025	965
6	970	955	900	855

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 2			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1620	1515	1445	1300
2	1460	1375	1395	1180
3	1250	1260	1230	1115
4	1175	1175	1080	1035
5	1065	1020	980	945
6	950	935	880	835

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 3			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1565	1470	1340	1205
2	1395	1315	1280	1110
3	1220	1230	1185	1075
4	1125	1115	1050	1005
5	995	975	950	890
6	910	890	850	815

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 4			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1480	1405	1305	1110
2	1375	1285	1200	1020
3	1145	1160	1115	955
4	1080	1075	1025	895
5	950	960	925	785
6	870	865	835	745

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 5			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1450	1380	1245	1075
2	1310	1250	1155	970
3	1115	1130	1085	905
4	1055	1045	995	855
5	930	925	915	765
6	840	825	815	730

DVF 164

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 1			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1875	1775	1640	1520
2	1715	1610	1565	1365
3	1435	1465	1425	1330
4	1370	1375	1280	1205
5	1230	1175	1160	1105
6	1100	1085	1015	970

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 2			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1870	1745	1660	1490
2	1675	1570	1610	1350
3	1410	1440	1400	1275
4	1340	1345	1220	1180
5	1210	1155	1105	1080
6	1075	1065	990	945

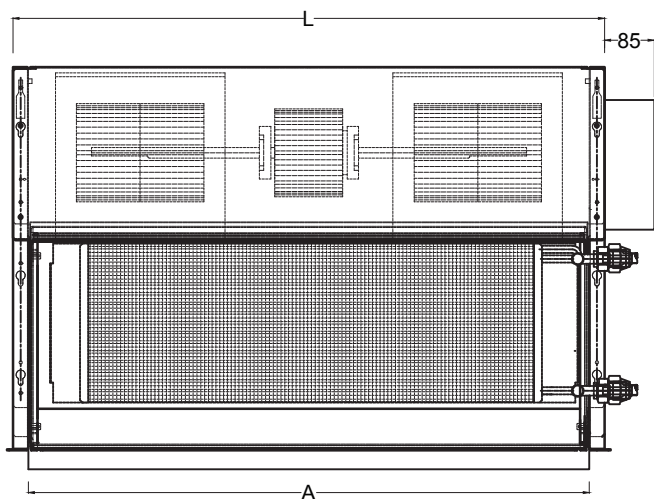
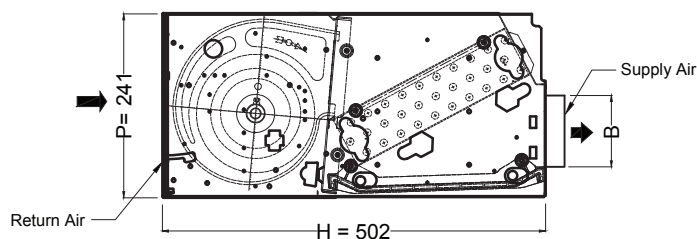
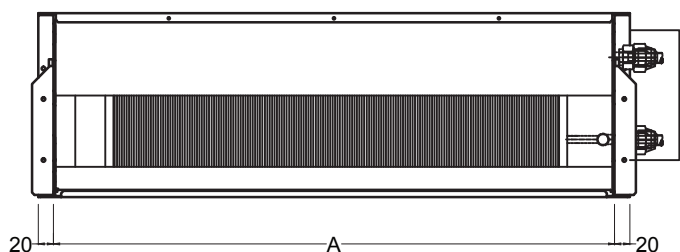
Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 3			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1800	1690	1535	1385
2	1595	1500	1465	1265
3	1385	1405	1360	1230
4	1275	1270	1190	1155
5	1120	1100	1075	1010
6	1030	1010	960	925

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 4			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1695	1615	1495	1265
2	1570	990	1370	1155
3	1285	1315	1270	1085
4	1220	1225	1160	1015
5	1065	1085	1045	885
6	975	975	945	840

Speed	Air Quantity (L/s) at different External Static Pressure			
	Based on the external static pressure at speed 5			
	25 Pa	40 Pa	50 Pa	75 Pa
1	1655	1585	1415	1225
2	1490	1425	1315	1100
3	1255	1285	1230	1025
4	1190	1185	1135	970
5	1040	1045	1040	860
6	945	930	925	825



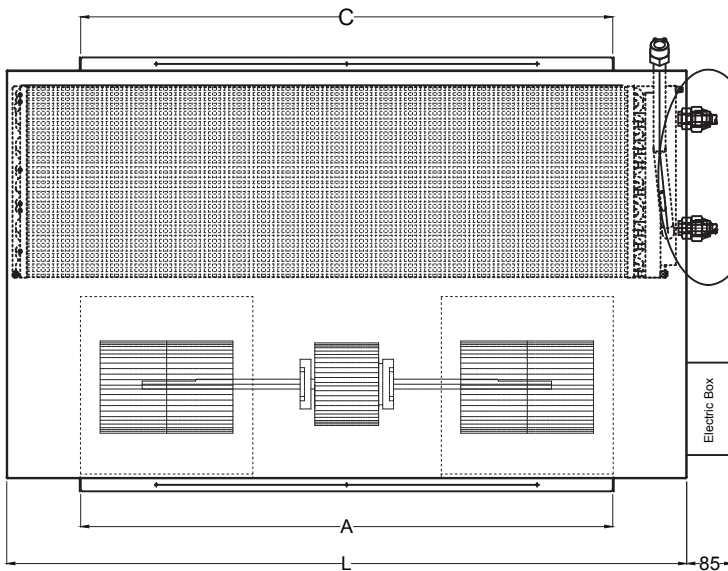
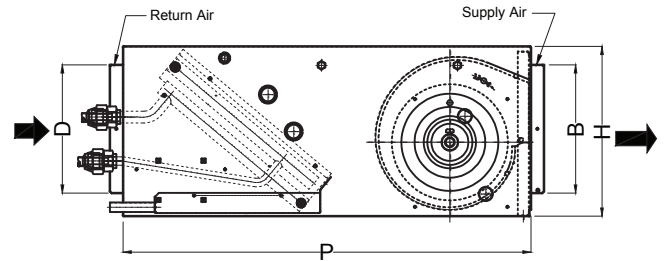
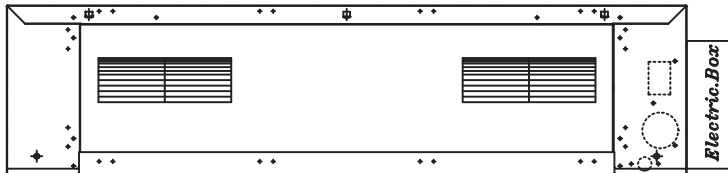
BVF



MODEL	L (mm)	H (mm)		P (mm)	A (mm)	B (mm)	No. of Fans
		Without Heaters	With Heaters				
23	981	502	602	241	925	100	2
24	981	502	602	241	925	100	2
33	1171	502	602	241	1115	100	2
34	1171	502	602	241	1115	100	2
43	1361	502	602	241	1305	100	2
44	1361	502	602	241	1305	100	2



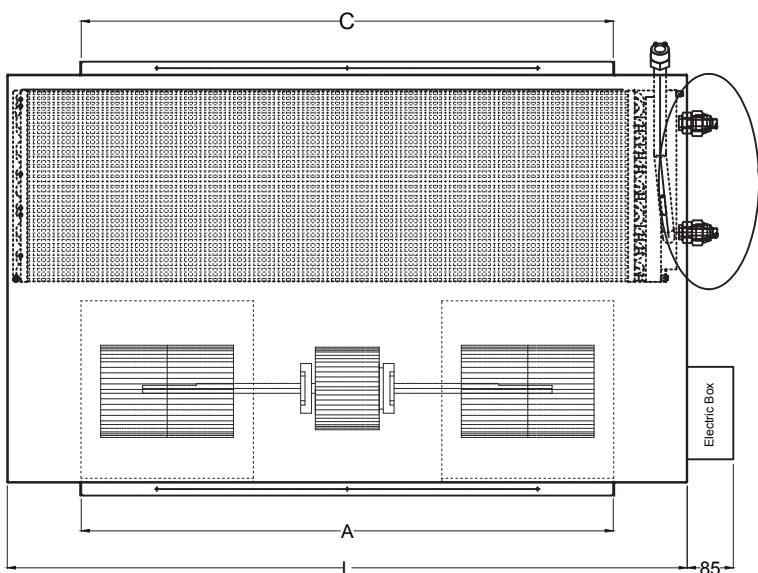
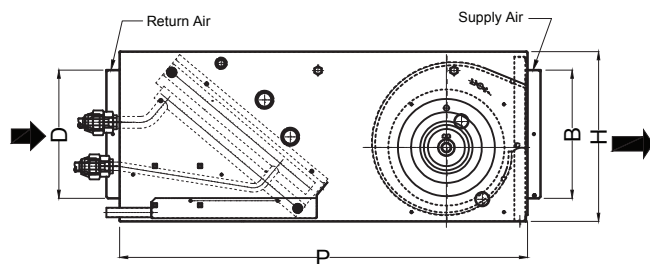
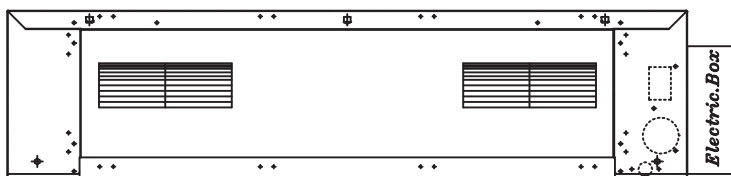
DVF



MODEL	L (mm)	H (mm)	P (mm)	A (mm)	B (mm)	C (mm)	D (mm)	No. of Fans
33	900	295	695	746	187	746	187	2
43	1050	295	695	978	186	886	227	2
44	1050	295	695	978	186	886	227	2
53	1250	315	750	978	236	978	236	2
64	1250	315	750	978	236	978	236	2



DVF

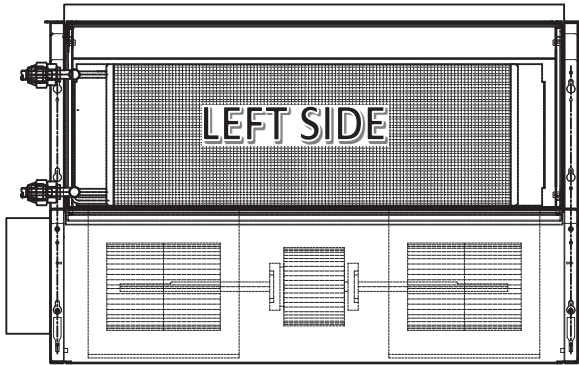


Side headers direction available as an option for this Series.

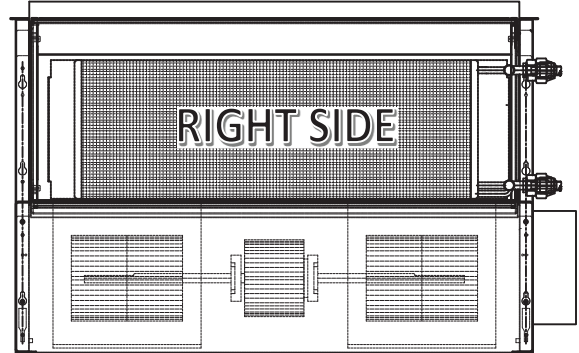
MODEL	L (mm)	H (mm)	P (mm)	A (mm)	B (mm)	C (mm)	D (mm)	No. of Fans
73	1370	315	750	1230	236	1098	236	3
83	1700	315	750	1550	236	1500	236	4
94	1725	315	750	1585	236	1453	236	4
113	1725	365	800	1453	286	1453	286	3
144	1725	365	800	1453	286	1453	286	3
164	1725	385	850	1453	306	1453	306	3

BVF

AIR DIRECTION

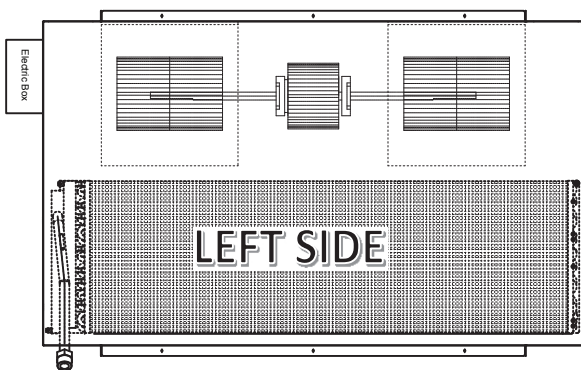


AIR DIRECTION

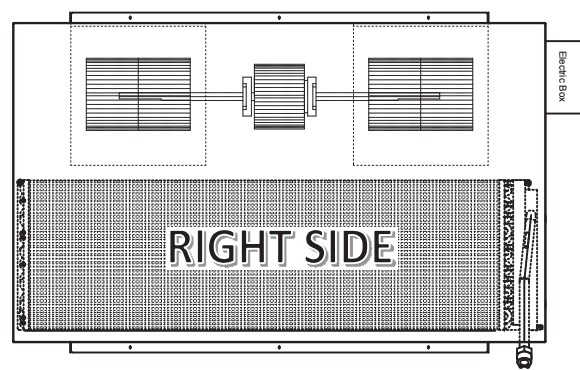


DVF

AIR DIRECTION



AIR DIRECTION



ELECTRIC HEATERS

All Models can be supplied with Additional Electric Heaters.



BVF	23	24	33	34	43	44
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STANDARD HEATER CAPACITY	KW	1	1	1	1	1	1
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DVF	33	43	44	53	64
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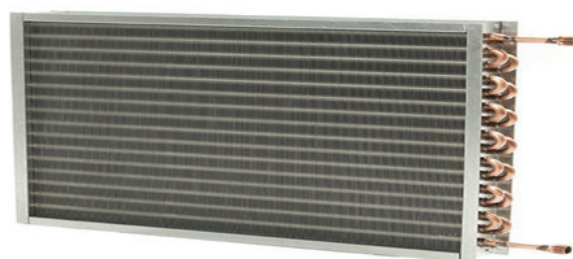
STANDARD HEATER CAPACITY	KW	1	1.5	1.5	2	2
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DVF	73	83	94	113	144	164
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STANDARD HEATER CAPACITY	KW	3	4	4	4	4
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HOT WATER COIL

Additional hot water coil can be added to all models



BVF	23	24	33	34	43	44
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STANDARD HOT WATER COIL	No. of Rows	1	1	1	1	1	1
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DVF	33	43	44	53	64
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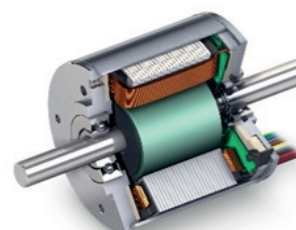
STANDARD HOT WATER COIL	No. of Rows	1	1	1	1	1
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DVF	73	83	94	113	144	164
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STANDARD HOT WATER COIL	No. of Rows	1	1	1	1	1
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BRUSHLESS DC MOTORS

All Models can be supplied with Brushless DC motor complete with thermostat and controller for more power consumption.



Extended drain pan

VOLTA fan coil units can be supplied with an extended drain pan as an option.



Complete hook-up option

VOLTA offers a complete hookup and piping solutions as an option.



Washable metal mesh filters

All VOLTA fan coil models can be supplied with metallic aluminum washable filter as an option.



Complete integration

BVF and DVF offers a wide versatility and deep easy installation. User-friendly interface with LCD screen allows the full control of all operating conditions.



The Order code comprises a combination of letters and numbers to clarify the unit type and options.

		Digit No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Position 1: Letter, Letter, Letter	Blow Through Series		B	V	F												
	Draw Through Series		D	V	F												
Position 2: Digit	Supply Air Flow at medium speed					M											
	Supply Air Flow at high speed					H											
Position 3: Digit, Digit, Digit	Supply Air Flow Capacity (L/s)						2	0	0								
Position 4: Digit, Digit	External pressure drop (Pa)									5	0						
Position 5: Digit	Supplied with 3 Rows Coil											3					
	Supplied with 4 Rows Coil											4					
Position 6: Letter	Supplied with Synthetic filter												S				
	Supplied with Washable filter												A				
Position 7: Letter	Supplied without Heating element													W			
	Supplied with Electric Heaters													E			
	Supplied with Hot water Coil													H			
Position 8: Letter	Supplied with 3 Speeds Motor															A	
	Supplied with Brushless DC Motor															B	
Position 9: Letter	Right hand side Access																R
	Left hand side Access																L

Ordering Example

Selection criteria	Requirement	Structure of the Order No.
Unit Type	Blow Through Series	BVF-
Supply Air Flow Speed	Medium Speed	BVF-M-
Supply Air Flow Capacity (L/s)	200 L/s	BVF-M-200-
External pressure drop (Pa)	50 Pa	BVF-M-200-50-
No. of Rows (According required Load)	3 Rows Coil	BVF-M-200-50-3-
Filter Media Type	Synthetic media filter	BVF-M-200-50-3-S-
Heating Element	Electric heaters	BVF-M-200-50-3-S-H-
Motor Type	3 Speeds standard motor	BVF-M-200-50-3-S-H-A-
Required Access Direction	Right Side access direction	BVF-M-200-50-3-S-H-A-R

GENERAL NOTE:

Technical data could change without prior notifications.

Selection software will be used for other data different from the tabulated ones.

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