



► Venkon XL
Fan coils

Venkon XL

Fan coils, recirculation air.
Heating, cooling for raised external pressure

► **Technical catalogue**

KAMPMANN

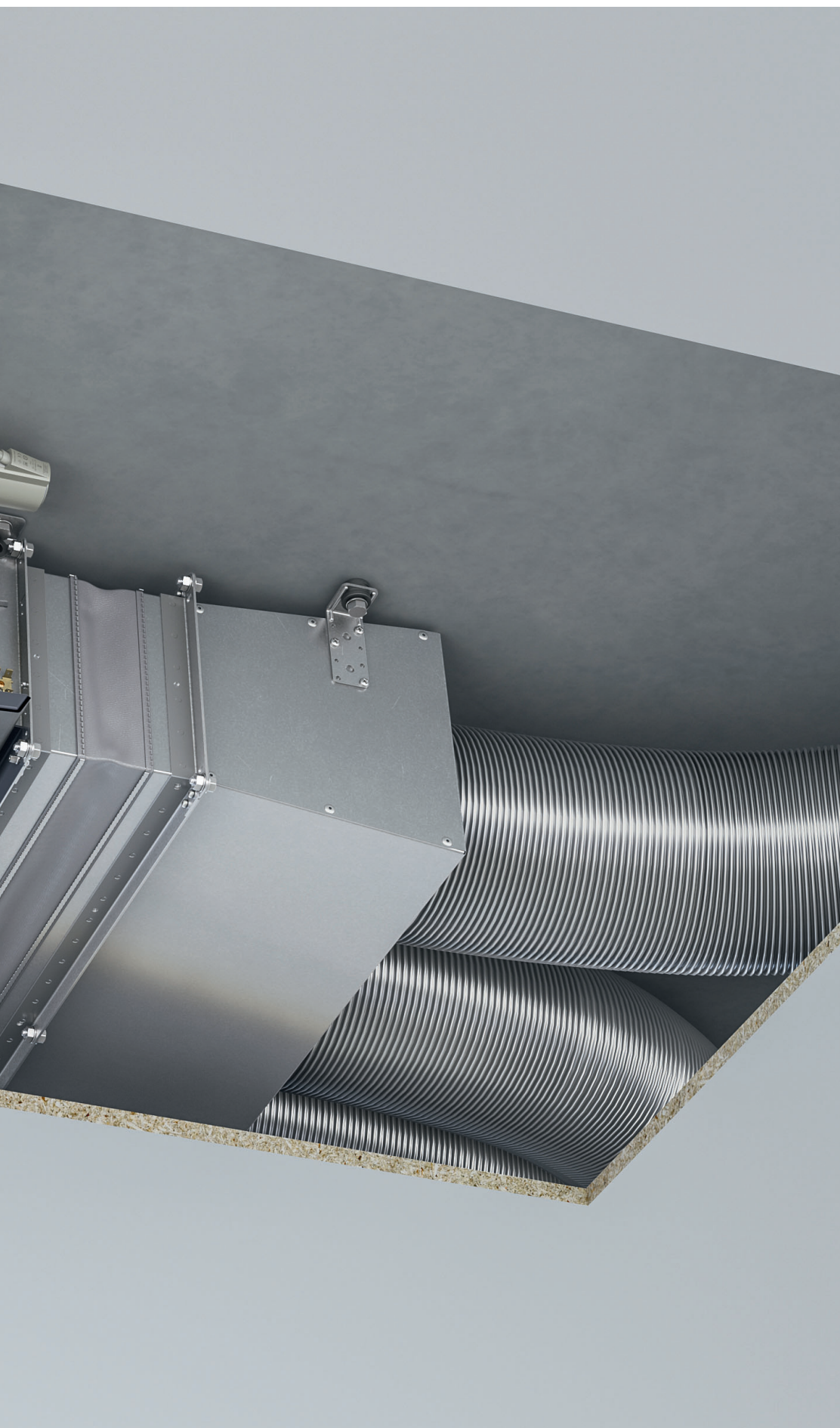
[https://www.kampmann.us/hvac/products/
fan-coils/venkon-xl](https://www.kampmann.us/hvac/products/fan-coils/venkon-xl)

Contents

01 ▶ Product information	6
▶ Overview	7
▶ Product data	8
▶ Selection guide: Overview of models	9
▶ Venkon XL at a glance	10
02 ▶ Technical data	12
▶ Advice on measuring conditions	13
▶ Venkon XL, models 1 – 4, basic unit, 2-pipe (example)	14
▶ Performance data	15
▶ Air flow diagrams for Venkon XL	27
03 ▶ Design information	30
▶ Information on planning and design	31
▶ Suspension points, frame connection	32
▶ Connection unit for circular pipe	33
▶ Water connection dimensions for 2-pipe	34
▶ Water connection dimensions for 4-pipe	35
▶ Condensation drain, inspection opening	36
▶ Minimum clearances, control options	37
▶ Cladding variants	38
04 ▶ Controls	40
▶ Control of Venkon XL electromechanical model	40
05 ▶ Ordering information	41
▶ Accessories	41



Venkon XL:
XL performance
guaranteed



With the Venkon XL, you are opting for a decentralised air handling unit, at the same time as meeting all the expectations of a high-performance design.

01 ▶ Product information



Venkon XL – The right solution for every challenge

Fan coils are used in comfort buildings of all types with high heating and cooling requirements as well as exacting user requirements.

The Venkon XL models have been optimised for applications that require higher performance with raised external pressure.

EC technology

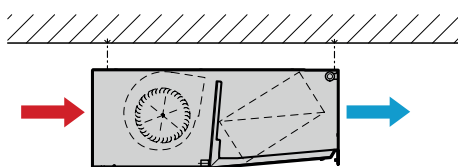
EC fans can be operated infinitely variably within a low fan speed range even at low air volumes with intelligent, integrated electronics on demand and this energy-efficiently. Every model has sufficient power in reserve for fast temperature control and increased output requirement.

Intelligent motor management permanently detects the operating state of the fans and keeps the pre-set speed constant, regardless of the fan length and external influences. All EC fans are fitted with a running motor thermal contact.

Kampmann is incorporating innovative knowledge and expertise in efficient, cost-saving technology with GreenTech EC fans from ebm-papst.

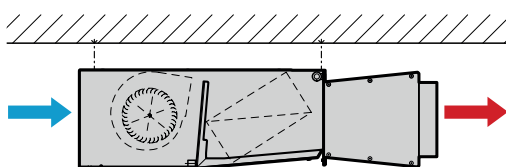
Treated air can be routed specifically to ventilation end components on site using the optional connection unit for circular pipes.

Cooling example

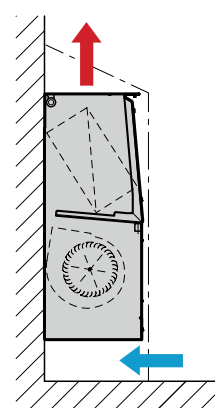


Side view
Venkon XL, ceiling-mounted

Heating example



Side view
Venkon XL with connection unit for circular pipe, ceiling-mounted



Side view
Venkon XL, wall-mounted

Product data



Product benefits

- ▶ XL performance guaranteed
- ▶ For higher external pressure requirements
- ▶ Highly optimised, large heat exchanger
- ▶ Flexible combination with connection unit for circular pipe
- ▶ Sound-reducing and insulated against thermal losses
- ▶ Slimline design for installation in suspended ceilings



Features

- ▶ Four sizes
- ▶ MERV 8 / Filter ePM10>50% (M5) or MERV 13 / Filter ePM1>50% (F7)
- ▶ Continuously variable EC fans
- ▶ Optional connection unit for circular pipe
- ▶ 2-way valve kits or differential pressure-independent valve kits as an accessory
- ▶ Comprehensive range of accessories

Installation	▶ Wall- or ceiling-mounted
Primary air supply	▶ ---
Heating	▶ LPHW
Cooling	▶ CHW
KaControl	▶ Optional

Performance data

Air flow [cfm]	▶ 57 – 1879
Heat output [BTU]¹⁾	▶ 3438 – 149433
Cooling output [BTU]²⁾	▶ 2169 – 63020
Sound pressure level [dB(A)]³⁾	▶ 28 – 67
Sound power level [dB(A)]	▶ 36 – 75

¹⁾ at LPHW 160/140 °F, $t_{L1} = 68$ °F

²⁾ at CHW 45/55 °F, $t_{L1} = 80$ °F, 48% relative humidity

³⁾ The sound pressure levels were calculated with an assumed room insulation of 8 dB(A). This corresponds to a distance of 2 m, a room volume of 100 m³ and a reverberation time of 0.5 s (in accordance with VDI 2081)

Operating limits

- ▶ Max. operating pressure: 145 psi
- ▶ Min. entering water temperature: 41 °F
- ▶ Max. entering water temperature: 194 °F
- ▶ Min. air inlet temp.: 50 °F
- ▶ Max. air inlet temp.: 77 °F
- ▶ Rel. air humidity: 20 % – 60 %
- ▶ Max. glycol volume: 50 %

Applications

Buildings of all kinds, which need to be cooled and/or heated.



Selection guide

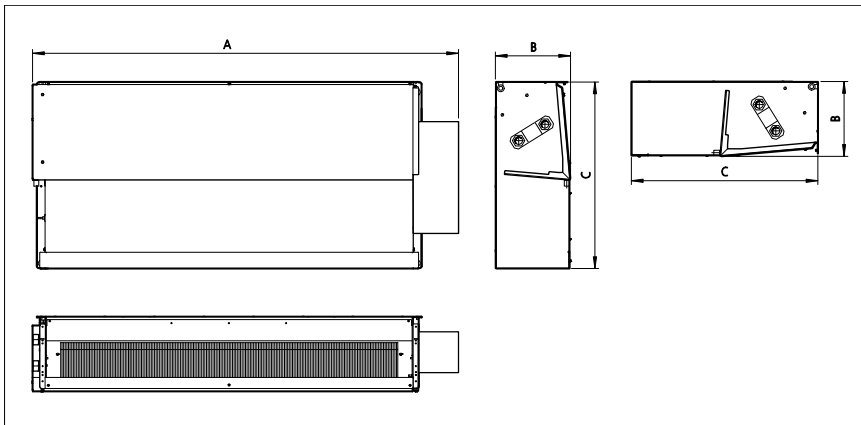
Filter class	Model size	Length (A) ¹⁾ [in]	Depth (B) [in]	Height (C) [in]	Air flow [cfm]	System			
						2-pipe		4-pipe	
						Heat output ²⁾ [BTU]	Cooling output ³⁾ [BTU]	Heat output ²⁾ [BTU]	Cooling output ³⁾ [BTU]
MERV 8 / ePM10 filter >50% (M5)	1	24.8	10.3	25.6	89 – 539	7204 – 42274	3367 – 17615	4809 – 27800	3038 – 15306
	2	36.6			171 – 949	13690 – 74577	6421 – 31226	10601 – 58184	5831 – 27278
	3	54.3			273 – 1461	21839 – 115071	10221 – 48218	16923 – 89854	9373 – 42418
	4	68.1			351 – 1879	28260 – 149433	13541 – 63020	21829 – 116098	12076 – 54557
MERV 13 / ePM1 filter >50% (F7)	1	24.8			57 – 494	4910 – 39004	2359 – 16310	3438 – 25763	2169 – 14205
	2	36.6			106 – 831	8988 – 65915	4361 – 27771	7129 – 51661	4042 – 24350
	3	54.3			176 – 1293	14907 – 102733	7194 – 43297	11809 – 80556	6721 – 38230
	4	68.1			205 – 1626	17634 – 130553	8791 – 55524	14045 – 101952	8024 – 48227

¹⁾ For control options: electromechanical without fault signalling contact / KaControl

²⁾ at LPHW 160/140 °F, t_{L1} = 68 °F

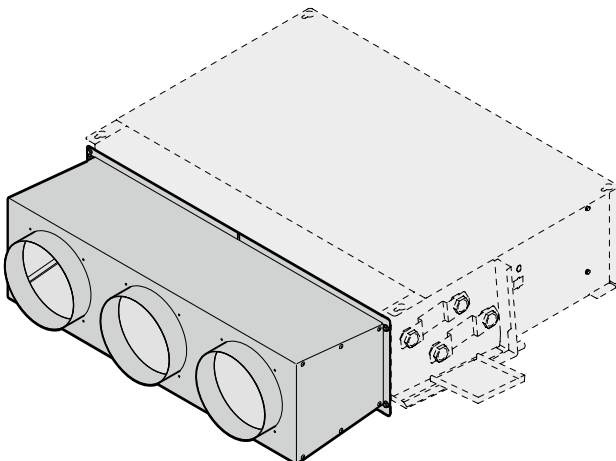
³⁾ at CHW 45/55 °F, t_{L1} = 80 °F, 48% relative humidity

Technical drawing (Dimensions in mm)

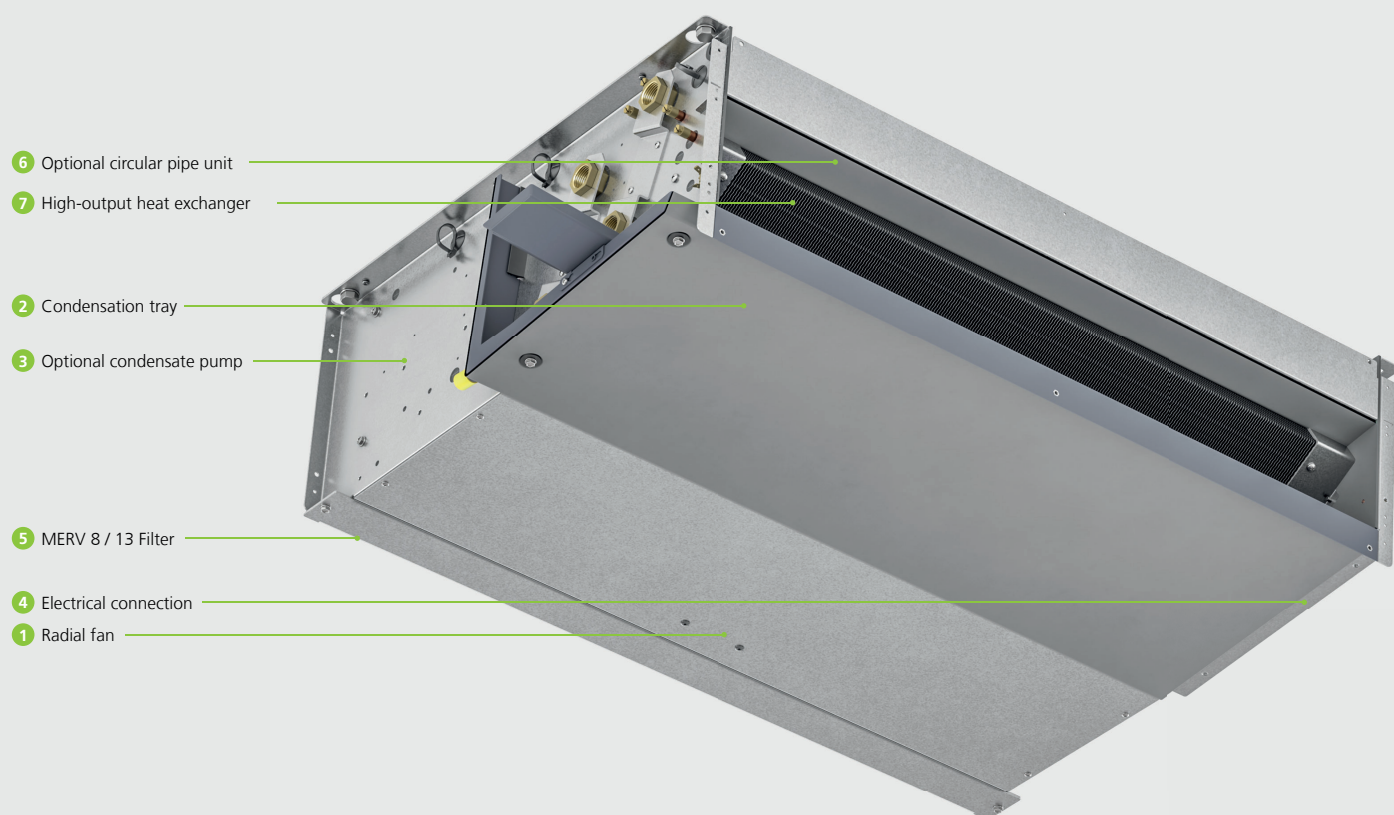


Optional layout:

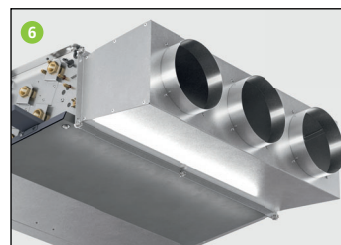
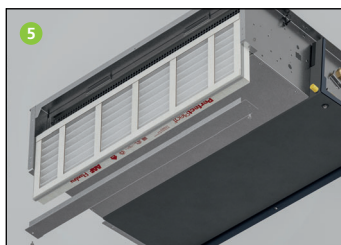
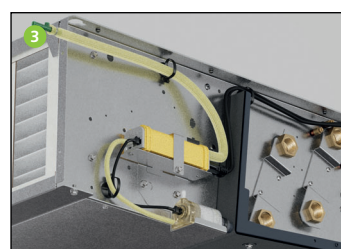
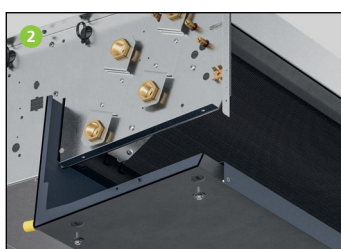
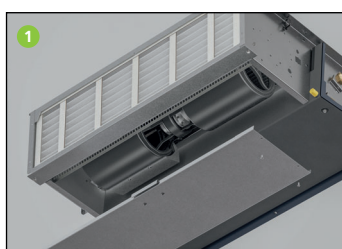
Venkon XL with connection unit for circular pipe on the discharge side

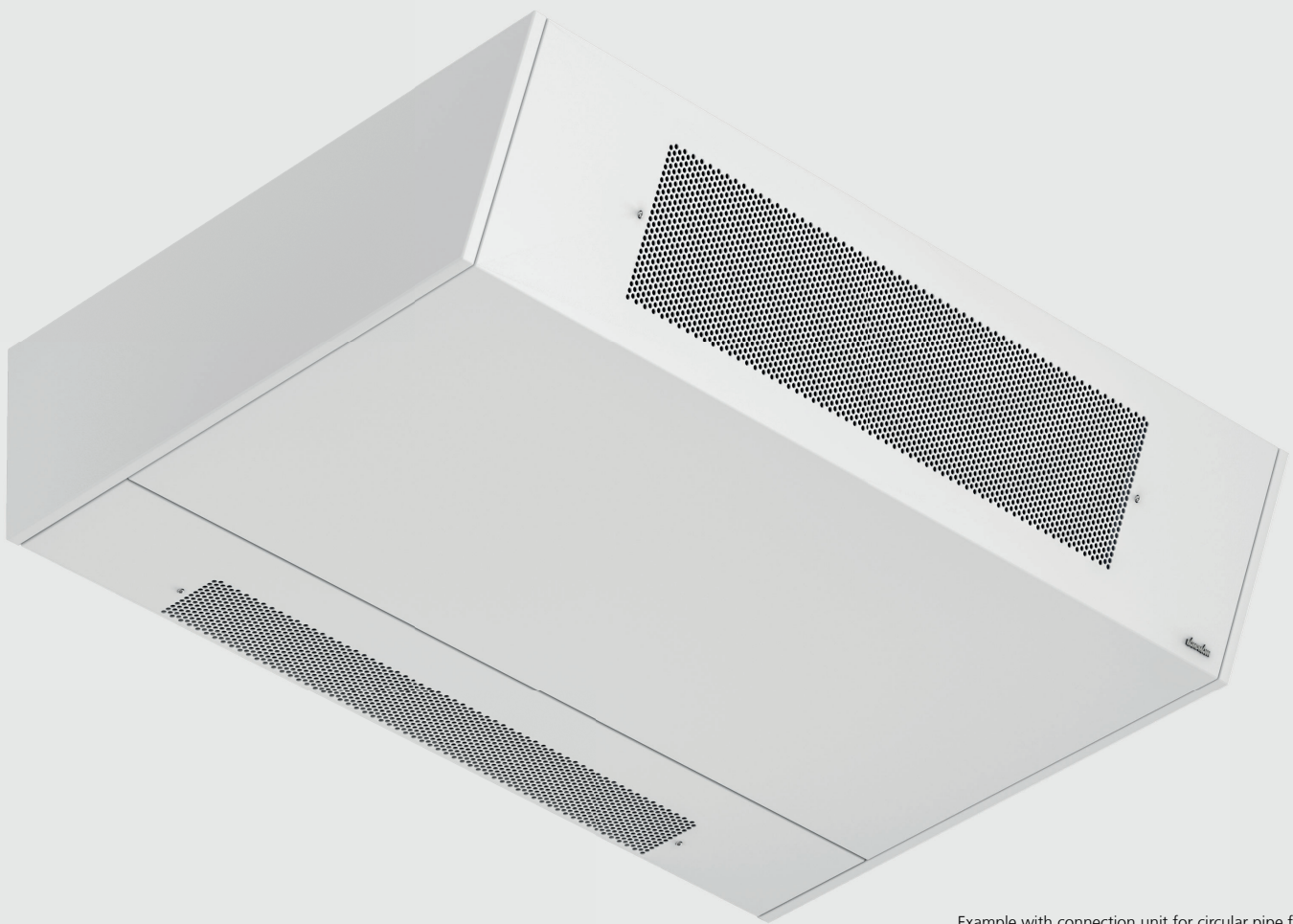


Venkon XL at a glance



Features





Example with connection unit for circular pipe fitted

1 Radial fan

- ▶ direct-driven energy saving radial fan with forward-curved impeller, continuously variable EC model

2 Condensation tray

- ▶ can be simply and conveniently removed for maintenance / cleaning
- ▶ projects out of the side of the unit to collect condensation produced at the valves factory fitted

3 Condensation pump (optional)

- ▶ available as an accessory
- ▶ for controlled discharge of condensation produced with wet cooling
- ▶ includes mounting bracket for float switch

4 Electrical connection

- ▶ electromechanical on terminal box
- ▶ with disconnect switch for maintenance purpose

5 Filter

- ▶ easily removable
- ▶ optional filter classes MERV 8 and MERV 13

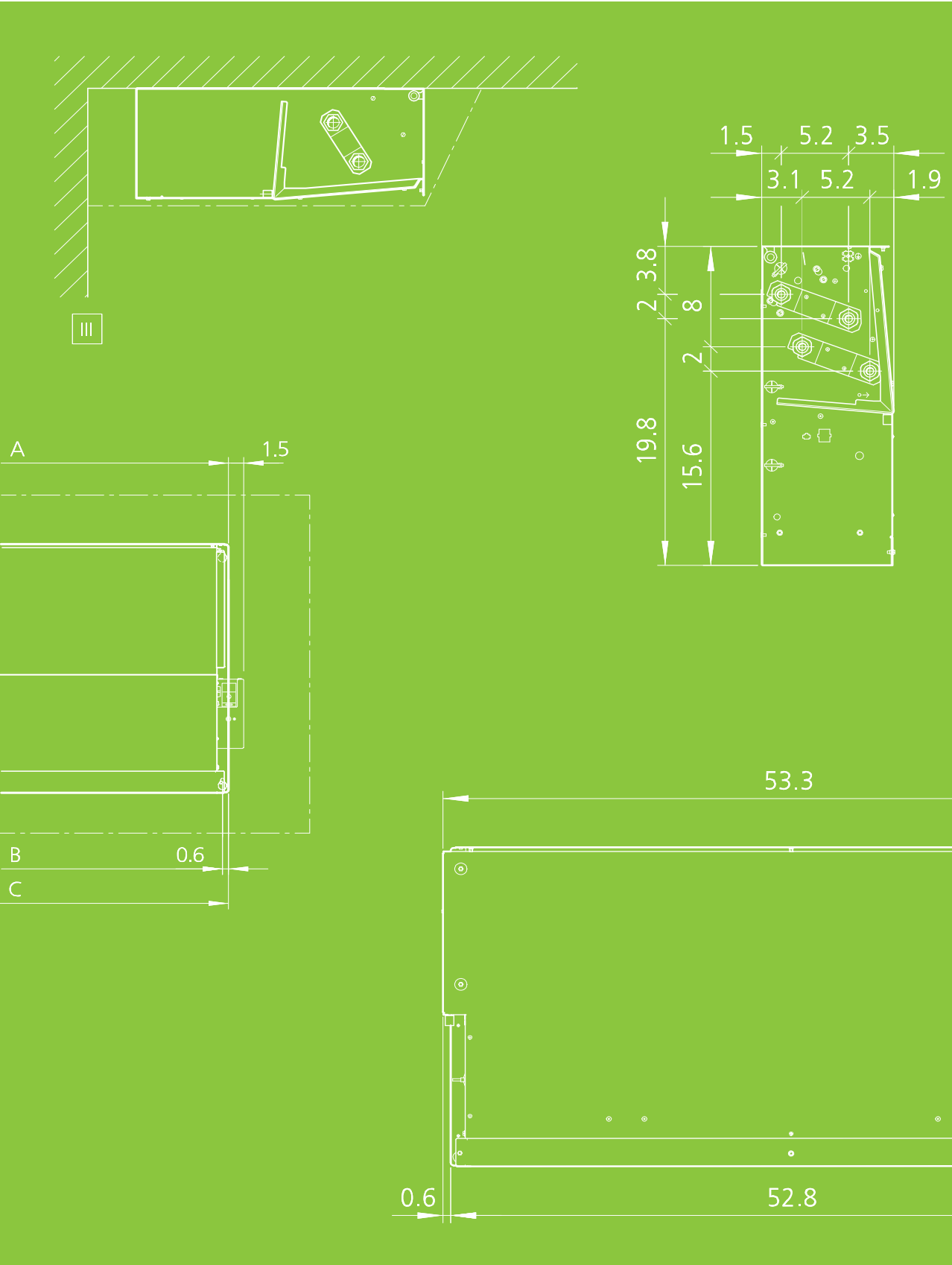
6 Connection unit for circular pipe

- ▶ optionally factory-fitted
- ▶ excellent flexibility due to variable number of spigots
- ▶ different sizes and numbers of spigots possible

7 High-output heat exchanger

- ▶ proven combination of copper/aluminium
- ▶ optimised for maximum output

02 ▶ Technical data



Advice on measuring conditions

The cooling and heat outputs have been calculated in line with DIN EN 1397:2015 "Water-air fan convectors, test methods for establishing the performance".

The specific requirements for cooling and heating mode are taken into account in DIN EN 1397. They are also based on Eurovent Certification.

Normative reference

The standard refers to:

- ▶ EN 16583; Determining the sound power levels of noise sources
- ▶ EN 45001; General criteria for the operation of test laboratories
- ▶ ISO 5801; Industrial fans; Performance testing using standardised airways
- ▶ ISO 5221; Air distribution and air diffusion; Rules to methods of measuring air flow rate in an air handling duct

The entering air temperature of the fan convector is selected as the reference / air temperature, which should not be confused with the ambient temperature.

Acoustics

Fan coils are very often used in acoustically sensitive areas. The units have therefore been optimised in terms of sound emissions.

The acoustic data were recorded in accordance with the provisions of DIN EN 16583 by DIN EN ISO 3744 and DIN EN ISO 3741 in the Kampmann GmbH laboratories.

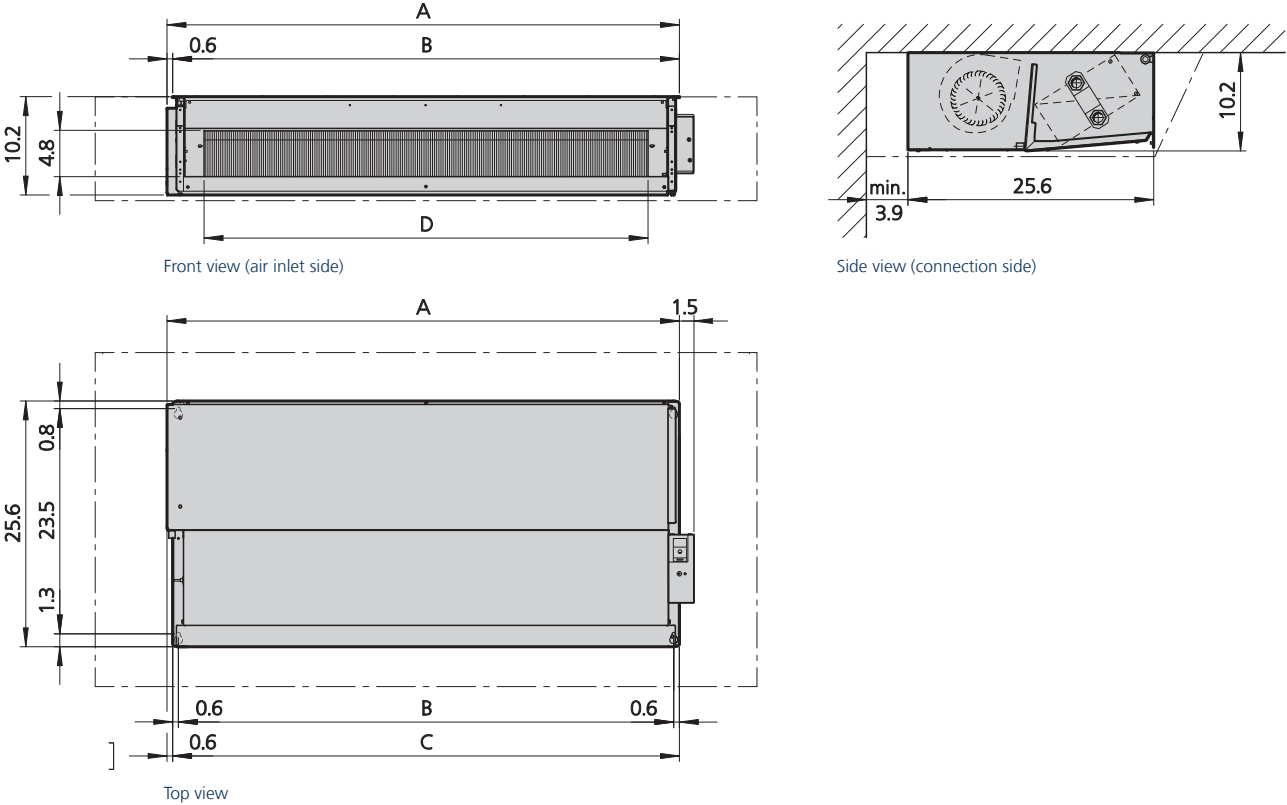


Acoustic laboratory

Venkon XL

Models 1 – 4, basic unit, 2-pipe (example)

Technical drawings, connection side on left in the direction of airflow (dimensions in mm)



Dimensions for all nominal voltages

size	unit width (A) [inch]	Spacing of suspension points (B) [inch]	rear wall (C) [inch]	Air discharge opening (D) [inch]	filter class	connection 2-pipe	connection 4-pipe
1	23,8	22,0	23,2	17,0	MERV 8 and MERV 13	3/4"	3/4"
2	35,6	33,9	35,0	28,8	MERV 8 and MERV 13	3/4"	3/4"
3	53,3	51,6	52,8	46,5	MERV 8 and MERV 13	3/4"	3/4"
4	67,1	65,4	66,5	60,3	MERV 8 and MERV 13	3/4"	3/4"

Performance data Venkon XL, size 1, 120 V

Filter class	System	Installation	Control voltage	Air flow	Cooling output, total ¹⁾	Cooling output, sensible	Outlet air temperature	Mass flow	Pressure loss	Heat output ²⁾	Outlet air temperature	Mass flow	Pressure loss	Power consumption	Current consumption	SFP value	Sound pressure level ³⁾	Sound power level
			[V]	[cfm]	[BTU]	[BTU]	[°F]	[GPM]	[ft H ₂ O]	[BTU]	[°F]	[GPM]	[ft H ₂ O]	[W]	[mA]	[W/cfm]	[dB(A)]	[dB(A)]
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Ceiling-mounted	10	427	14349	10811	55.6	2,86	3,8	34072	142,7	3,48	5,1	92	1437	0,216	58	66
			8	379	12923	9700	55.4	2,58	3,1	30474	143,3	3,11	4,2	66	1040	0,174	55	63
			6	297	10483	7798	54.7	2,09	2,2	24289	144,5	2,48	2,8	35	565	0,118	49	57
			4	200	7523	5484	53.6	1,50	1,2	16786	146,6	1,71	1,5	14	236	0,071	41	49
			2	89	3867	2639	51.4	0,77	0,4	7962	151,8	0,81	0,4	4	80	0,047	28	36
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Wall-mounted	10	427	13206	10129	57.2	2,63	3,3	32098	138,3	3,28	4,6	92	1437	0,216	58	66
			8	379	11725	8991	57.2	2,34	2,7	28421	138,2	2,9	3,7	66	1040	0,174	55	63
			6	297	9295	7112	57	1,85	1,8	22278	138,2	2,27	2,4	35	565	0,118	49	57
			4	200	6531	4953	56.2	1,3	0,9	15135	138,9	1,55	1,2	14	236	0,071	41	49
			2	89	3367	2449	53.5	0,67	0,3	7204	143,8	0,74	0,3	4	80	0,047	28	36
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Ceiling-mounted	10	427	12545	9710	58.1	2,5	4,6	22676	117,7	2,31	4,8	92	1437	0,216	58	66
			8	379	11335	8746	57.8	2,26	3,9	20408	118,4	2,08	4	66	1040	0,174	55	63
			6	297	9258	7090	57	1,85	2,7	16478	119,9	1,68	2,7	35	565	0,118	49	57
			4	200	6726	5066	55.6	1,34	1,5	11649	122,5	1,19	1,5	14	236	0,071	41	49
			2	89	3563	2535	52.6	0,71	0,5	5864	129,7	0,6	0,4	4	80	0,047	28	36
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Wall-mounted	10	427	11430	8969	59.8	2,28	3,9	20485	112,9	2,09	4	92	1437	0,216	58	66
			8	379	10162	7972	59.8	2,03	3,2	18117	112,8	1,85	3,2	66	1040	0,174	55	63
			6	297	8084	6329	59.5	1,61	2,1	14202	112,7	1,45	2,1	35	565	0,118	49	57
			4	200	5727	4451	58.6	1,14	1,2	9707	113,5	0,99	1,1	14	236	0,071	41	49
			2	89	3038	2279	55.3	0,61	0,4	4809	118,6	0,49	0,3	4	80	0,047	28	36
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Ceiling-mounted	10	376	12836	9632	55.3	2,56	3,1	30253	143,3	3,09	4,2	85	1330	0,226	58	66
			8	325	11329	8458	55	2,26	2,5	26438	144,1	2,7	3,3	59	939	0,182	55	63
			6	246	8945	6596	54.2	1,78	1,6	20379	145,5	2,08	2,1	31	498	0,124	49	57
			4	153	6050	4333	52.8	1,21	0,8	13126	148,1	1,34	1	12	205	0,079	41	49
			2	57	2675	1737	50.7	0,53	0,2	5316	155,1	0,54	0,2	4	74	0,066	28	36
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Wall-mounted	10	376	11636	8922	57.2	2,32	2,6	28199	138,2	2,88	3,7	85	1330	0,226	58	66
			8	325	10122	7754	57.1	2,02	2	24386	138,2	2,49	2,8	59	939	0,182	55	63
			6	246	7833	5973	56.6	1,56	1,3	18512	138,4	1,89	1,7	31	498	0,124	49	57
			4	153	5229	3926	55.4	1,04	0,6	11782	139,9	1,2	0,8	12	205	0,079	41	49
			2	57	2359	1655	52.1	0,47	0,2	4910	148,5	0,5	0,2	4	74	0,066	28	36
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Ceiling-mounted	10	376	11260	8686	57.8	2,25	3,8	20269	118,5	2,07	3,9	85	1330	0,226	58	66
			8	325	9979	7665	57.3	1,99	3,1	17849	119,4	1,82	3,1	59	939	0,182	55	63
			6	246	7944	6040	56.4	1,58	2,1	13972	121,1	1,43	2	31	498	0,124	49	57
			4	153	5460	4051	54.6	1,09	1,1	9260	124,5	0,95	1	12	205	0,079	41	49
			2	57	2504	1700	51.4	0,5	0,3	4129	135,7	0,42	0,2	4	74	0,066	28	36
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Wall-mounted	10	376	10085	7911	59.8	2,01	3,2	17974	112,7	1,83	3,2	85	1330	0,226	58	66
			8	325	8791	6889	59.6	1,75	2,5	15540	112,7	1,59	2,5	59	939	0,182	55	63
			6	246	6836	5337	59.1	1,36	1,6	11824	113	1,21	1,5	31	498	0,124	49	57
			4	153	4622	3562	57.7	0,92	0,8	7619	114,5	0,78	0,7	12	205	0,079	41	49
			2	57	2169	1576	53.4	0,43	0,2	3438	124,4	0,35	0,2	4	74	0,066	28	36

Make use of our online calculation programs to calculate your heat outputs and flow rates with a couple of clicks!

► Kampmanngroup.com/venkon-xl

Performance data Venkon XL, size 2, 120 V

Filter class	System	Installation	Control voltage	Air flow	Cooling output, total ¹⁾	Cooling output, sensible	Outlet air temperature	Mass Flow	Pressure loss	Heat output ²⁾	Outlet air temperature	Mass Flow	Pressure loss	Power consumption	Current consumption	SFP value	Sound pressure level ³⁾	Sound power level
			[V]	[cfm]	[BTU]	[BTU]	[°F]	[GPM]	[ft H2O]	[BTU]	[°F]	[GPM]	[ft H2O]	[W]	[mA]	[W/cfm]	[dB(A)]	[dB(A)]
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Ceiling-mounted	10	789	26547	1997	55.6	5,3	5	62846	142.5	6,42	6,7	164	2447	0,208	60	68
			8	716	24385	18314	55.4	4,87	4,3	57418	143	5,86	5,7	124	1886	0,173	57	65
			6	587	20521	15306	54.9	4,09	3,2	47700	144	4,87	4,2	73	1138	0,124	52	60
			4	416	15295	11235	54	3,05	1,9	34541	145.8	3,53	2,4	31	512	0,074	44	52
			2	196	8234	5733	51.9	1,64	0,6	17212	150	1,76	0,7	7	139	0,036	31	39
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Wall-mounted	10	789	24789	18955	56.9	4,95	4,4	59706	138.8	6,1	6,1	164	2447	0,208	60	68
			8	716	22494	17201	56.9	4,49	3,7	54068	138.6	5,52	5,2	124	1886	0,173	57	65
			6	587	18531	14156	56.8	3,7	2,7	44226	138.5	4,51	3,6	73	1138	0,124	52	60
			4	416	13474	10235	56.3	2,69	1,5	31417	138.7	3,21	2	31	512	0,074	44	52
			2	196	7175	5282	54.1	1,43	0,5	15495	141.9	1,58	0,6	7	139	0,036	31	39
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Ceiling-mounted	10	789	23311	18027	58	4,65	7,5	49342	126.5	5,04	12,1	164	2447	0,208	60	68
			8	716	21471	16562	57.8	4,28	6,5	45229	127.1	4,62	10,4	124	1886	0,173	57	65
			6	587	18169	13933	57.2	3,62	4,8	37830	128.3	3,86	7,6	73	1138	0,124	52	60
			4	416	13675	10354	26	2,73	2,9	27719	130.4	2,83	4,4	31	512	0,074	44	52
			2	196	7550	5462	53.2	1,51	1	14179	135.6	1,45	1,3	7	139	0,036	31	39
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Wall-mounted	10	789	21627	16917	59.4	4,31	6,6	45723	122.2	4,67	10,6	164	2447	0,208	60	68
			8	716	19658	15374	59.4	3,92	5,6	41352	122	4,22	8,8	124	1886	0,173	57	65
			6	587	16253	12696	59.2	3,24	4	33770	121.8	3,45	6,2	73	1138	0,124	52	60
			4	416	11899	9248	58.6	2,37	2,3	23994	122	2,45	3,4	31	512	0,074	44	52
			2	196	6481	4903	56	1,29	0,8	11954	125	1,22	1	7	139	0,036	31	39
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Ceiling-mounted	10	695	23745	17816	55.3	4,74	4,1	55812	143.2	5,7	5,5	157	2352	0,226	60	68
			8	613	21291	15905	55	4,25	3,4	49638	143.8	5,07	4,4	113	1737	0,185	57	65
			6	486	17462	12924	54.4	3,48	2,4	39995	145	4,08	3	65	1031	0,134	52	60
			4	322	12358	8943	53.3	2,47	1,3	27197	147.1	2,78	1,6	26	445	0,082	44	52
			2	128	5799	3863	51	1,16	0,3	11666	153.1	1,19	0,4	6	120	0,046	31	39
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Wall-mounted	10	695	21826	16689	56.9	4,35	3,6	52419	138.6	5,35	4,9	157	2352	0,226	60	68
			8	613	19306	14753	56.8	3,85	2,9	46163	138.5	4,71	3,9	113	1737	0,185	57	65
			6	486	15529	11834	56.6	3,1	2	36655	138.5	3,74	2,6	65	1031	0,134	52	60
			4	322	10785	8130	55.7	2,15	1	24530	139.4	2,5	1,3	26	445	0,082	44	52
			2	128	5100	3641	52.7	1,02	0,3	10635	145.6	1,09	0,3	6	120	0,046	31	39
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Ceiling-mounted	10	695	20926	16128	57.7	4,18	6,2	44010	127.3	4,49	9,9	157	2352	0,226	60	68
			8	613	18828	14458	57.3	3,76	5,1	39309	128	4,01	8,1	113	1737	0,185	57	65
			6	486	15543	11842	56.6	3,1	3,7	31925	129.4	3,26	5,6	65	1031	0,134	52	60
			4	322	11136	8327	55.1	2,22	2,1	22016	132	2,25	2,9	26	445	0,082	44	52
			2	128	5404	3755	51.9	1,08	0,6	9811	139.5	1	0,7	6	120	0,046	31	39
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Wall-mounted	10	695	19085	14923	59.3	3,81	5,3	40078	122	4,09	8,4	157	2352	0,226	60	68
			8	613	16919	13221	59.2	3,38	4,3	35257	121.8	3,6	6,7	113	1737	0,185	57	65
			6	486	13669	10653	58.9	2,73	2,9	27979	121.8	2,86	4,4	65	1031	0,134	52	60
			4	322	9584	7400	57.9	1,91	1,6	18775	122.6	1,92	2,2	26	445	0,082	44	52
			2	128	4687	3451	54.1	0,94	0,5	8333	128.8	0,85	0,5	6	120	0,046	31	39

Make use of our online calculation programs to calculate your heat outputs and flow rates with a couple of clicks!

► Kampmanngroup.com/venkon-xl

Performance data Venkon XL, size 3, 120 V

Filter class	System	Installation	Control voltage	Air flow	Cooling output, total ¹⁾	Cooling output, sensible	Outlet air temperature	Mass Flow	Pressure loss	Heat output ²⁾	Outlet air temperature	Mass Flow	Pressure loss	Power consumption	Current consumption	SFP value	Sound pressure level ³⁾	Sound power level
			[V]	[cfm]	[BTU]	[BTU]	[°F]	[GPM]	[ft H ₂ O]	[BTU]	[°F]	[GPM]	[ft H ₂ O]	[W]	[mA]	[W/cfm]	[dB(A)]	[dB(A)]
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Ceiling-mounted	10	1203	40638	30578	55.5	8,11	3,7	96059	142.7	9,81	5	259	3638	0,215	61	69
			8	1077	36897	27666	55.3	7,36	3,1	86656	143.3	8,85	4,2	186	2699	0,173	58	66
			6	867	30597	22758	54.7	6,1	2,3	70776	144.4	7,23	2,9	104	1578	0,12	53	61
			4	605	22595	16517	53.7	4,51	1,3	50602	146.2	5,17	1,6	44	714	0,073	46	54
			2	273	11716	8050	51.6	2,34	0,4	24191	151.1	2,47	0,4	11	221	0,041	35	43
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Wall-mounted	10	1203	37637	28800	57	7,51	3,3	90749	138.6	9,26	4,5	259	3638	0,215	61	69
			8	1077	33726	25803	57	6,73	2,7	81095	138.5	8,28	3,7	186	2699	0,173	58	66
			6	867	27376	20911	56.8	5,46	1,9	65217	138.4	6,66	2,5	104	1578	0,12	53	61
			4	605	19779	14998	56.2	3,95	1	45824	138.9	4,68	1,4	44	714	0,073	46	54
			2	273	10221	7461	53.7	2,04	0,3	21839	143	2,23	0,4	11	221	0,041	35	43
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Ceiling-mounted	10	1203	35958	27748	57.8	7,17	7,3	75508	126.7	7,71	8,9	259	3638	0,215	61	69
			8	1077	32753	25197	57.5	6,53	6,2	68374	127.4	6,98	7,5	186	2699	0,173	58	66
			6	867	27322	20877	56.8	5,45	4,5	56259	128.7	5,74	5,3	104	1578	0,12	53	61
			4	605	20376	15344	55.6	4,07	2,7	40725	131	4,16	3	44	714	0,073	46	54
			2	273	10859	7745	52.7	2,17	0,9	20053	136.9	2,05	0,9	11	221	0,041	35	43
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Wall-mounted	10	1203	33128	25895	59.3	6,61	6,3	69384	122	7,08	7,7	259	3638	0,215	61	69
			8	1077	29762	23252	59.2	5,94	5,3	61929	121.8	6,32	6,3	186	2699	0,173	58	66
			6	867	24280	18932	59	4,84	3,7	49747	121.7	5,08	4,3	104	1578	0,12	53	61
			4	605	17682	13698	58.2	3,53	2,1	35006	122.1	3,57	2,3	44	714	0,073	46	54
			2	273	9373	7021	55.2	1,87	0,7	16923	126.1	1,73	0,7	11	221	0,041	35	43
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Ceiling-mounted	10	1051	36143	27078	55.2	7,21	3	84757	143.4	8,65	4	240	3396	0,228	61	69
			8	919	32176	23988	54.9	6,42	2,5	74760	144.1	7,63	3,2	170	2479	0,184	58	66
			6	709	25802	19019	54.2	5,15	1,7	58671	145.4	5,99	2,1	92	1411	0,13	53	61
			4	454	17817	12789	52.9	3,55	0,9	38728	147.8	3,95	1	38	618	0,083	46	54
			2	176	8154	5338	50.8	1,63	0,2	16229	154.3	1,66	0,2	10	203	0,056	35	43
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Wall-mounted	10	1051	32949	25206	56.9	6,57	2,6	79168	138.4	8,08	3,6	240	3396	0,228	61	69
			8	919	28937	22117	56.9	5,77	2	69149	138.4	7,06	2,8	170	2479	0,184	58	66
			6	709	22760	17326	56.5	4,54	1,3	53475	138.6	5,46	1,8	92	1411	0,13	53	61
			4	454	15489	11627	55.4	3,09	0,7	34836	139.8	3,56	0,8	38	618	0,083	46	54
			2	176	7194	5073	52.3	1,44	0,2	14907	147.3	1,52	0,2	10	203	0,056	35	43
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Ceiling-mounted	10	1051	32105	24681	57.4	6,41	6	66929	127.6	6,83	7,2	240	3396	0,228	61	69
			8	919	28685	21962	57	5,72	4,9	59306	128.4	6,05	5,8	170	2479	0,184	58	66
			6	709	23165	17567	56.2	4,62	3,4	46960	130	4,79	3,9	92	1411	0,13	53	61
			4	454	16211	12019	54.5	3,23	1,8	31479	132.9	3,21	1,9	38	618	0,083	46	54
			2	176	7685	5233	51.4	1,53	0,5	13813	141.4	1,41	0,5	10	203	0,056	35	43
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Wall-mounted	10	1051	29093	22726	59.2	5,8	5,1	60445	121.8	6,17	6	240	3396	0,228	61	69
			8	919	25631	19999	59.1	5,11	4	52754	121.7	5,39	4,8	170	2479	0,184	58	66
			6	709	20274	15760	58.6	4,04	2,7	40805	121.9	4,17	3	92	1411	0,13	53	61
			4	454	13952	10714	57.3	2,78	1,4	26699	123	2,73	1,4	38	618	0,083	46	54
			2	176	6721	4875	53.4	1,34	0,4	11809	130.8	1,21	0,3	10	203	0,056	35	43

Make use of our online calculation programs to calculate your heat outputs and flow rates with a couple of clicks!

► Kampmanngroup.com/venkon-xl

Performance data Venkon XL, size 4, 120 V

Filter class	System	Installation	Control voltage	Air flow	Cooling output, total ¹⁾	Cooling output, sensible	Outlet air temperature	Mass Flow	Pressure loss	Heat output ²⁾	Outlet air temperature	Mass Flow	Pressure loss	Power consumption	Current consumption	SFP value	Sound pressure level ³⁾	Sound power level
			[V]	[cfm]	[BTU]	[BTU]	[°F]	[GPM]	[ft H2O]	[BTU]	[°F]	[GPM]	[ft H2O]	[W]	[mA]	[W/cfm]	[dB(A)]	[dB(A)]
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Ceiling-mounted	10	1581	54181	40620	55.3	10,81	7,8	127175	143.3	12,98	10,3	334	4656	0,211	61	69
			8	1421	49389	36892	55	9,85	6,6	115125	143.8	11,75	8,7	246	3517	0,173	59	67
			6	1163	41570	30812	54.5	8,29	4,9	95488	144.8	9,75	6,2	143	2125	0,123	54	62
			4	826	31107	22678	53.6	6,21	2,9	69312	146.5	7,08	3,5	61	969	0,073	47	55
			2	386	16594	11404	51.6	3,31	1	34083	150.6	3,48	1	14	269	0,035	35	43
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Wall-mounted	10	1581	50519	38493	56.6	10,08	6,9	120439	139.3	12,3	9,4	334	4656	0,211	61	69
			8	1421	45513	34662	56.5	9,08	5,7	108042	139.1	11,03	7,7	246	3517	0,173	59	67
			6	1163	37610	28587	56.4	7,5	4,1	88337	139	9,02	5,4	143	2125	0,123	54	62
			4	826	27572	20809	55.8	5,5	2,4	63038	139.4	6,44	3	61	969	0,073	47	55
			2	386	14608	10630	53.5	2,91	0,8	30769	142.6	3,14	0,8	14	269	0,035	35	43
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Ceiling-mounted	10	1581	47091	36361	57.9	9,4	6,8	99416	126.8	10,15	10,9	334	4656	0,211	61	69
			8	1421	43036	33134	57.6	8,59	5,8	90345	127.5	9,22	9,2	246	3517	0,173	59	67
			6	1163	36408	27859	57	7,26	4,3	75481	128.7	7,71	6,7	143	2125	0,123	54	62
			4	826	27514	20776	55.8	5,49	2,6	55475	130.8	5,66	3,9	61	969	0,073	47	55
			2	386	15079	10843	53	3,01	0,9	28099	136.1	2,87	1,2	14	269	0,035	35	43
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Wall-mounted	10	1581	43444	33969	59.3	8,67	5,9	91561	122.2	9,35	9,4	334	4656	0,211	61	69
			8	1421	39167	30612	59.3	7,81	4,9	82033	122	8,37	7,8	246	3517	0,173	59	67
			6	1163	32432	25307	59.1	6,47	3,5	66998	121.9	6,84	5,5	143	2125	0,123	54	62
			4	826	23914	18554	58.4	4,77	2,1	47855	122.2	4,89	3	61	969	0,073	47	55
			2	386	12977	9777	55.6	2,59	0,7	23689	125.4	2,42	0,9	14	269	0,035	35	43
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Ceiling-mounted	10	1368	47790	35649	54.9	9,54	6,2	111108	144	11,34	8,1	314	4397	0,229	61	69
			8	1197	42587	31603	54.6	8,5	5,1	98040	144.7	10,01	6,5	223	3213	0,186	59	67
			6	937	34581	25378	54	6,9	3,5	77975	145.9	7,96	4,4	124	1880	0,133	54	62
			4	614	24295	17377	52.8	4,85	1,9	52469	148	5,36	2,2	50	822	0,082	47	55
			2	235	10996	7136	50.7	2,19	0,5	21556	154	2,2	0,5	11	231	0,048	35	43
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Wall-mounted	10	1368	43870	33403	56.5	8,75	5,4	103961	139.1	10,61	7,2	314	4397	0,229	61	69
			8	1197	38619	29365	56.4	7,71	4,3	90863	139	9,28	5,7	223	3213	0,186	59	67
			6	937	30834	23345	56	6,15	2,9	71288	139.2	7,28	3,7	124	1880	0,133	54	62
			4	614	21362	15952	55	4,26	1,5	47350	140.2	4,83	1,8	50	822	0,082	47	55
			2	235	9786	6832	52	1,95	0,4	19785	146.9	2,02	0,4	11	231	0,048	35	43
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Ceiling-mounted	10	1368	41683	32056	57.5	8,32	5,5	87314	127.7	8,91	8,7	314	4397	0,229	61	69
			8	1197	37271	28546	57.1	7,44	4,5	77419	128.5	7,9	7	223	3213	0,186	59	67
			6	937	30468	23130	56.3	6,08	3,2	62123	130	6,34	4,8	124	1880	0,133	54	62
			4	614	21700	16135	54.7	4,33	1,7	42460	132.7	4,33	2,4	50	822	0,082	47	55
			2	235	10175	6955	51.5	2,03	0,5	18285	140.9	1,87	0,6	11	231	0,048	35	43
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Wall-mounted	10	1368	37765	29510	59.3	7,53	4,6	78910	122	8,06	7,3	314	4397	0,229	61	69
			8	1197	33290	25984	59.1	6,64	3,7	68919	121.9	7,04	5,7	223	3213	0,186	59	67
			6	937	26677	20751	58.7	5,32	2,5	54078	122	5,52	3,7	124	1880	0,133	54	62
			4	614	18668	14363	57.5	3,72	1,3	36071	123	3,68	1,8	50	822	0,082	47	55
			2	235	8881	6461	53.5	1,77	0,4	15604	130.2	1,59	0,4	11	231	0,048	35	43

Make use of our online calculation programs to calculate your heat outputs and flow rates with a couple of clicks!

► Kampmanngroup.com/venkon-xl

Performance data Venkon XL, size 1, 208 V

Filter class	System	Installation	Control voltage	Air flow	Cooling output, total ¹⁾	Cooling output, sensible	Outlet air temperature	Mass Flow	Pressure loss	Heat output ²⁾	Outlet air temperature	Mass Flow	Pressure loss	Power consumption	Current consumption	SFP value	Sound pressure level ³⁾	Sound power level
			[V]	[cfm]	[BTU]	[BTU]	[°F]	[GPM]	[ft H2O]	[BTU]	[°F]	[GPM]	[ft H2O]	[W]	[mA]	[W/cfm]	[dB(A)]	[dB(A)]
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Ceiling-mounted	10	536	17555	13308	56.1	3,5	5,4	42124	141.5	4,3	7,4	169	1587	0,314	64	72
			8	528	17298	13108	56.1	3,45	5,3	41480	141.6	4,23	7,2	161	1529	0,306	64	72
			6	428	14367	10825	55.7	2,87	3,8	34116	142.6	3,48	5,1	88	857	0,206	59	67
			4	303	10677	7949	54.8	2,13	2,2	24783	144.4	2,53	2,9	36	364	0,118	51	59
			2	153	6040	4325	52.8	1,21	0,8	13103	148.1	1,34	1	9	108	0,058	37	45
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Wall-mounted	10	536	16688	12785	57.1	3,33	4,9	40593	138.8	4,14	7	169	1587	0,314	64	72
			8	528	16402	12567	57.1	3,27	4,8	39900	138.7	4,07	6,8	161	1529	0,306	64	72
			6	428	13225	10143	57.2	2,64	3,3	32143	138.3	3,28	4,6	88	857	0,206	59	67
			4	303	9484	7259	57	1,89	1,8	22760	138.2	2,32	2,5	36	364	0,118	51	59
			2	153	5221	3919	55.4	1,04	0,6	11761	139.9	1,2	0,8	9	108	0,058	37	45
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Ceiling-mounted	10	536	15255	11869	58.7	3,04	6,5	27706	116.3	2,83	6,8	169	1587	0,314	64	72
			8	528	15039	11696	58.7	3	6,4	27306	116.4	2,79	6,6	161	1529	0,306	64	72
			6	428	12559	9721	58.1	2,51	4,6	22703	117.7	2,32	4,8	88	857	0,206	59	67
			4	303	9424	7222	57.1	1,88	2,8	16793	119.8	1,71	2,8	36	364	0,118	51	59
			2	153	5452	4045	54.6	1,09	1,1	9245	124.5	0,94	1	9	108	0,058	37	45
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Wall-mounted	10	536	14412	11304	59.7	2,88	5,9	26027	113.4	2,66	6,1	169	1587	0,314	64	72
			8	528	14167	11113	59.7	2,83	2,7	25571	113.3	2,61	5,9	161	1529	0,306	64	72
			6	428	11446	8982	59.8	2,28	3,9	20515	112.9	2,09	4	88	857	0,206	59	67
			4	303	8245	6457	59.5	1,64	2,2	14507	112.7	1,48	2,2	36	364	0,118	51	59
			2	153	4615	3556	57.7	0,92	0,8	7605	114.5	0,78	0,7	9	108	0,058	37	45
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Ceiling-mounted	10	494	16310	12339	56	3,25	4,7	39004	141.9	3,98	6,5	170	1602	0,344	64	72
			8	467	15517	11721	55.8	3,1	4,3	37010	142.2	3,78	5,9	147	1399	0,314	64	72
			6	368	12600	9448	55.3	2,51	3	29657	143.4	3,03	4	78	764	0,211	59	67
			4	247	8971	6617	54.2	1,79	1,7	20447	145.5	2,09	2,1	31	319	0,125	51	59
			2	107	4499	3126	51.9	0,9	0,5	9416	150.5	0,96	0,5	8	97	0,071	37	45
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Wall-mounted	10	494	15312	11738	57.1	3,05	4,2	37256	138.6	3,8	6	170	1602	0,344	64	72
			8	467	14451	11081	57.2	2,88	3,8	35156	138.5	3,59	5,4	147	1399	0,314	64	72
			6	368	11395	8737	57.2	2,27	2,5	27595	138.2	2,82	3,5	78	764	0,211	59	67
			4	247	7858	5993	56.7	1,57	1,3	18577	138.4	1,9	1,8	31	319	0,125	51	59
			2	107	3901	2873	54.1	0,78	0,4	8477	142.2	0,87	0,4	8	97	0,071	37	45
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Ceiling-mounted	10	494	14205	11032	58.5	2,83	5,8	25763	116.8	2,63	5,9	170	1602	0,344	64	72
			8	467	13535	10498	58.4	2,7	5,3	24518	117.1	2,5	5,5	147	1399	0,314	64	72
			6	368	11060	8527	57.7	2,21	3,7	19892	118.6	2,03	3,8	78	764	0,211	59	67
			4	247	7967	6058	56.4	1,59	2,1	14016	121.1	1,43	2	31	319	0,125	51	59
			2	107	4117	2976	53.2	0,82	0,7	6820	127.7	0,7	0,6	8	97	0,071	37	45
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Wall-mounted	10	494	13234	10383	59.8	2,64	5,1	23839	113.2	2,43	5,2	170	1602	0,344	64	72
			8	467	12496	9806	59.8	2,49	4,6	22469	113	2,29	4,7	147	1399	0,314	64	72
			6	368	9880	7749	59.7	1,97	3	17589	112.7	1,8	3	78	764	0,211	59	67
			4	247	6857	5354	59.1	1,37	1,6	11864	113	1,21	1,5	31	319	0,125	51	59
			2	107	3494	2649	56.2	0,7	0,5	5582	116.9	0,57	0,4	8	97	0,071	37	45

Make use of our online calculation programs to calculate your heat outputs and flow rates with a couple of clicks!

► Kampmanngroup.com/venkon-xl

Performance data Venkon XL, size 2, 208 V

Filter class	System	Installation	Control voltage	Air flow	Cooling output, total ¹⁾	Cooling output, sensible	Outlet air temperature	Mass flow	Pressure loss	Heat output ²⁾	Outlet air temperature	Mass flow	Pressure loss	Power consumption	Current consumption	SFP value	Sound pressure level ³⁾	Sound power level
			[V]	[cfm]	[BTU]	[BTU]	[°F]	[GPM]	[ft H ₂ O]	[BTU]	[°F]	[GPM]	[ft H ₂ O]	[W]	[mA]	[W/cfm]	[dB(A)]	[dB(A)]
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Ceiling-mounted	10	861	28661	21643	55.8	5,72	5,7	68149	142	6,94	7,7	186	1682	0,216	62	70
			8	747	25311	19034	55.5	5,05	4,6	59743	142.8	6,1	6,2	128	1166	0,171	59	67
			6	571	20024	14919	54.9	4	3,1	46450	144.2	4,74	4	63	592	0,111	52	60
			4	382	14246	10416	53.8	2,84	1,7	31906	146.2	3,26	2,1	25	251	0,067	47	55
			2	171	7351	5051	51.6	1,47	0,5	15164	151	1,55	0,6	7	87	0,039	39	47
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Wall-mounted	10	861	27084	20704	56.9	5,4	5,2	65309	139	6,67	7,2	186	1682	0,216	62	70
			8	747	23470	17948	56.9	4,68	4	56470	138.7	5,76	5,6	128	1166	0,171	59	67
			6	571	18035	13774	56.8	3,6	2,5	42983	138.5	4,39	3,5	63	592	0,111	52	60
			4	382	12500	9474	56.1	2,49	1,3	28621	138.9	2,95	1,7	25	251	0,067	47	55
			2	171	6421	4685	53.6	1,28	0,4	13690	142.9	1,4	0,5	7	87	0,039	39	47
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Ceiling-mounted	10	861	25106	19456	58.3	5,01	8,5	53346	126	5,45	13,8	186	1682	0,216	62	70
			8	747	22260	17190	57.9	4,44	6,9	46993	126.8	4,8	11,1	128	1166	0,171	59	67
			6	571	17743	13594	57.1	3,54	4,6	36873	128.5	3,76	7,2	63	592	0,111	52	60
			4	382	12769	9631	55.7	2,55	2,6	25677	130.9	2,62	3,8	25	251	0,067	47	55
			2	171	6777	4844	52.8	1,35	0,9	12563	136.7	1,28	1,1	7	87	0,039	39	47
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Wall-mounted	10	861	23594	18456	59.4	4,71	7,6	50084	122.4	5,11	12,4	186	1682	0,216	62	70
			8	747	20496	16031	59.4	4,09	6	43213	122.1	4,41	9,6	128	1166	0,171	59	67
			6	571	15826	12359	59.2	3,16	3,8	32817	121.8	3,35	5,9	63	592	0,111	52	60
			4	382	11061	8580	58.4	2,21	2	22103	122.2	2,26	2,9	25	251	0,067	47	55
			2	171	5831	4377	55.4	1,16	0,7	10601	126	1,08	0,8	7	87	0,039	39	47
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Ceiling-mounted	10	742	25154	18912	55.5	5,02	4,6	59348	142.8	6,06	6,1	168	1528	0,226	62	70
			8	629	21767	16276	55.1	4,34	3,5	50838	143.7	5,19	4,6	112	1022	0,178	59	67
			6	455	16518	12188	54.3	3,3	2,2	37616	145.3	3,84	2,7	53	503	0,117	52	60
			4	278	10970	7861	52.8	2,19	1,1	23776	147.9	2,43	1,2	21	209	0,074	47	55
			2	106	4932	3211	50.8	0,98	0,3	9768	154.5	1	0,3	6	80	0,055	39	47
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Wall-mounted	10	742	23304	17821	56.9	4,65	4	56062	138.7	5,72	5,5	168	1528	0,226	62	70
			8	629	19789	15125	56.9	3,95	3	47368	138.5	4,84	4,1	112	1022	0,178	59	67
			6	455	14625	11132	56.5	2,92	1,8	34358	138.6	3,51	2,3	53	503	0,117	52	60
			4	278	9550	7159	55.3	1,91	0,8	21391	139.9	2,18	1	21	209	0,074	47	55
			2	106	4361	3061	52.1	0,87	0,2	8988	147.6	0,92	0,2	6	80	0,055	39	47
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Ceiling-mounted	10	742	22126	17083	57.9	4,41	6,8	46694	126.9	4,77	11	168	1528	0,226	62	70
			8	629	19236	14783	57.4	3,84	5,3	40224	127.9	4,11	8,4	112	1022	0,178	59	67
			6	455	14729	11194	56.4	2,94	3,3	30093	129.8	3,07	5,1	53	503	0,117	52	60
			4	278	9933	7366	54.6	1,98	1,7	19342	133	1,97	2,3	21	209	0,074	47	55
			2	106	4629	3146	51.4	0,92	0,4	8328	141.8	0,85	0,5	6	80	0,055	39	47
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Wall-mounted	10	742	20353	15919	59.4	4,06	5,9	42896	122.1	4,38	9,4	168	1528	0,226	62	70
			8	629	17336	13548	59.3	3,46	4,5	36184	121.9	3,69	7	112	1022	0,178	59	67
			6	455	12891	10036	58.8	2,57	2,7	26229	121.9	2,68	4	53	503	0,117	52	60
			4	278	8523	6549	57.4	1,7	1,3	16401	123.1	1,67	1,7	21	209	0,074	47	55
			2	106	4042	2929	53.3	0,81	0,3	7129	131.1	0,73	0,4	6	80	0,055	39	47

Make use of our online calculation programs to calculate your heat outputs and flow rates with a couple of clicks!

► Kampmanngroup.com/venkon-xl

Performance data Venkon XL, size 3, 208 V

Filter class	System	Installation	Control voltage	Air flow	Cooling output, total ¹⁾	Cooling output, sensible	Outlet air temperature	Mass Flow	Pressure loss	Heat output ²⁾	Outlet air temperature	Mass Flow	Pressure loss	Power consumption	Current consumption	SFP value	Sound pressure level ³⁾	Sound power level
			[V]	[cfm]	[BTU]	[BTU]	[°F]	[GPM]	[ft H ₂ O]	[BTU]	[°F]	[GPM]	[ft H ₂ O]	[W]	[mA]	[W/cfm]	[dB(A)]	[dB(A)]
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Ceiling-mounted	10	1363	45366	34260	55.8	9,05	4,5	107921	142.1	11,02	6,1	354	3091	0,26	66	74
			8	1245	41891	31554	55.6	8,36	3,9	99204	142.5	10,13	5,3	285	2529	0,229	64	72
			6	974	33819	25269	55	6,75	2,7	78904	143.8	8,06	3,5	150	1396	0,154	59	67
			4	661	24336	17876	54	4,86	1,5	54978	145.8	5,61	1,9	61	609	0,092	52	60
			2	306	12889	8956	51.9	2,57	0,5	26906	150.3	2,75	0,5	16	226	0,051	39	47
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Wall-mounted	10	1363	42725	32683	56.9	8,52	4,1	103195	138.8	10,54	5,7	354	3091	0,26	66	74
			8	1245	38970	29819	57	7,78	3,5	94021	138.7	9,6	4,8	285	2529	0,229	64	72
			6	974	30583	23387	56.9	6,1	2,3	73277	138.4	7,48	3,1	150	1396	0,154	59	67
			4	661	21387	16255	56.4	4,27	1,2	49955	138.7	5,1	1,6	61	609	0,092	52	60
			2	306	11222	8253	54.1	2,24	0,4	24227	142.1	2,47	0,4	16	226	0,051	39	47
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Ceiling-mounted	10	1363	39992	30960	58.2	7,98	8,8	84471	126	8,62	10,9	354	3091	0,26	66	74
			8	1245	37029	28601	57.9	7,39	7,7	77889	126.5	7,95	9,4	285	2529	0,229	64	72
			6	974	30103	23090	57.2	6,01	5,4	62470	128	6,38	6,4	150	1396	0,154	59	67
			4	661	21891	16552	55.9	4,37	3,1	44111	130.4	4,5	3,5	61	609	0,092	52	60
			2	306	11894	8570	53.1	2,37	1,1	22191	135.8	2,27	1	16	226	0,051	39	47
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Wall-mounted	10	1363	37496	29315	59.3	7,48	7,9	79046	122.3	8,07	9,7	354	3091	0,26	66	74
			8	1245	34273	26492	59.3	6,84	6,7	71919	122	7,34	8,2	285	2529	0,229	64	72
			6	974	27054	21121	59.1	5,4	4,5	55918	121.7	5,71	5,3	150	1396	0,154	59	67
			4	661	19080	14812	58.5	3,81	2,4	38135	122	3,89	2,7	61	609	0,092	52	60
			2	306	10243	7725	55.7	2,04	0,8	18709	125.2	1,91	0,8	16	226	0,051	39	47
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Ceiling-mounted	10	1198	40490	30463	55.5	8,08	3,7	95687	142.7	9,77	5	334	2936	0,279	66	74
			8	1063	36485	27345	55.3	7,28	3,1	85618	143.4	8,74	4,1	258	2306	0,243	64	72
			6	794	28405	21050	54.5	5,67	2	65242	144.9	6,66	2,5	132	1243	0,166	59	67
			4	496	19169	13842	53.2	3,82	1	42055	147.3	4,29	1,2	53	537	0,106	52	60
			2	198	9009	5982	51	1,8	0,3	18103	153.4	1,85	0,3	14	215	0,071	39	47
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Wall-mounted	10	1198	37480	28680	57	7,48	3,2	90364	138.6	9,23	4,5	334	2936	0,279	66	74
			8	1063	33301	25476	56.9	6,64	2,6	80041	138.5	8,17	3,6	258	2306	0,243	64	72
			6	794	25243	19257	56.7	5,04	1,6	59809	138.5	6,11	2,2	132	1243	0,166	59	67
			4	496	16684	12568	55.6	3,33	0,8	37882	139.4	3,87	1	53	537	0,106	52	60
			2	198	7922	5645	52.6	1,58	0,2	16532	146	1,69	0,2	14	215	0,071	39	47
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Ceiling-mounted	10	1198	35832	27647	57.8	7,15	7,3	75226	126.8	7,68	8,9	334	2936	0,279	66	74
			8	1063	32399	24915	57.5	6,46	6,1	67585	127.5	6,9	7,4	258	2306	0,243	64	72
			6	794	25424	19366	56.5	5,07	4	52015	129.3	5,31	4,6	132	1243	0,166	59	67
			4	496	17389	12960	54.9	3,47	2,1	34082	132.3	3,48	2,2	53	537	0,106	52	60
			2	198	8453	5837	51.7	1,69	0,6	15275	140.1	1,56	0,5	14	215	0,071	39	47
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Wall-mounted	10	1198	32993	25789	59.3	6,58	6,3	69086	122	7,05	7,6	334	2936	0,279	66	74
			8	1063	29396	22965	59.2	5,87	5,1	61117	121.8	6,24	6,2	258	2306	0,243	64	72
			6	794	22431	17469	58.8	4,48	3,2	45622	121.7	4,66	3,7	132	1243	0,166	59	67
			4	496	14991	11547	57.6	2,99	1,6	29000	122.7	2,96	1,7	53	537	0,106	52	60
			2	198	7363	5393	53.8	1,47	0,5	12995	129.3	1,33	0,4	14	215	0,071	39	47

Make use of our online calculation programs to calculate your heat outputs and flow rates with a couple of clicks!

► Kampmanngroup.com/venkon-xl

Performance data Venkon XL, size 4, 208 V

Filter class	System	Installation	Control voltage	Air flow	Cooling output, total ¹⁾	Cooling output, sensible	Outlet air temperature	Mass Flow	Pressure loss	Heat output ²⁾	Outlet air temperature	Mass Flow	Pressure loss	Power consumption	Current consumption	SFP value	Sound pressure level ³⁾	Sound power level
			[V]	[cfm]	[BTU]	[BTU]	[°F]	[GPM]	[ft H ₂ O]	[BTU]	[°F]	[GPM]	[ft H ₂ O]	[W]	[mA]	[W/cfm]	[dB(A)]	[dB(A)]
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Ceiling-mounted	10	1709	57990	43585	55.5	11,57	8,8	136761	142.9	13,96	11,7	372	3204	0,218	64	72
			8	1478	51106	38228	55.1	10,2	7	119441	143.6	12,19	9,2	250	2209	0,169	60	68
			6	1154	41300	30602	54.5	8,24	4,8	94810	144.8	9,68	6,2	133	1214	0,115	55	63
			4	781	29683	21570	53.4	5,92	2,7	65767	146.8	6,71	3,2	54	529	0,069	47	55
			2	351	15358	10452	51.4	3,06	0,8	31243	151.2	3,19	0,9	14	206	0,04	39	47
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Wall-mounted	10	1709	54583	41594	56.6	10,89	7,9	130464	139.4	13,32	10,8	372	3204	0,218	64	72
			8	1478	47293	36026	56.6	9,44	6,1	112456	139.2	11,48	8,3	250	2209	0,169	60	68
			6	1154	37343	28381	56.4	7,45	4	87667	139	8,95	5,4	133	1214	0,115	55	63
			4	781	26252	19780	55.7	5,24	2,2	59697	139.5	6,09	2,7	54	529	0,069	47	55
			2	351	13541	9788	53.2	2,7	0,7	28260	143.2	2,89	0,7	14	206	0,04	39	47
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Ceiling-mounted	10	1709	50311	38925	58.1	10,04	7,6	106606	126.4	10,88	12,3	372	3204	0,218	64	72
			8	1478	44490	34291	57.7	8,88	6,2	93599	127.3	9,56	9,8	250	2209	0,169	60	68
			6	1154	36179	27676	56.9	7,22	4,3	74965	128.8	7,65	6,6	133	1214	0,115	55	63
			4	781	26300	19807	55.6	5,25	2,4	52745	131.2	5,38	3,6	54	529	0,069	47	55
			2	351	14005	9987	52.7	2,79	0,8	25871	136.9	2,64	1	14	206	0,04	39	47
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Wall-mounted	10	1709	46922	36693	59.3	9,36	6,8	99290	122.4	10,14	10,9	372	3204	0,218	64	72
			8	1478	40687	31806	59.3	8,12	5,3	85417	122.1	8,72	8,4	250	2209	0,169	60	68
			6	1154	32204	25127	59.1	6,43	3,5	66489	121.9	6,79	5,4	133	1214	0,115	55	63
			4	781	22798	17665	58.3	4,55	1,9	45340	122.3	4,63	2,7	54	529	0,069	47	55
			2	351	12076	9048	55.2	2,41	0,6	21829	126.1	2,23	0,8	14	206	0,04	39	47
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Ceiling-mounted	10	1450	50266	37574	55.1	10,03	6,8	117329	143.7	11,98	9	332	2884	0,229	64	72
			8	1222	43377	32218	54.7	8,65	5,3	100025	144.6	10,21	6,8	218	1952	0,178	60	68
			6	907	33634	24642	53.9	6,71	3,4	75609	146	7,72	4,1	111	1030	0,123	55	63
			4	557	22436	15931	52.5	4,48	1,6	47942	148.5	4,89	1,9	43	440	0,077	47	55
			2	205	9845	6280	50.6	0,96	0,4	19084	154.9	1,95	0,4	12	192	0,058	39	47
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Wall-mounted	10	1450	46420	35357	56.5	9,26	5,9	110292	139.2	11,26	8	332	2884	0,229	64	72
			8	1222	39407	29972	56.4	7,86	4,4	92834	139.1	9,48	5,9	218	1952	0,178	60	68
			6	907	29937	22649	56	5,97	2,7	69023	139.2	7,05	3,5	111	1030	0,123	55	63
			4	557	19707	14653	54.7	3,93	1,3	43213	140.5	4,41	1,5	43	440	0,077	47	55
			2	205	8791	6055	51.6	1,75	0,3	17634	148.3	1,8	0,3	12	192	0,058	39	47
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Ceiling-mounted	10	1450	43779	33725	57.6	8,73	6	92007	127.4	9,39	9,5	332	2884	0,229	64	72
			8	1222	37942	29079	57.1	7,57	4,7	78925	128.4	8,06	7,3	218	1952	0,178	60	68
			6	907	29662	22489	56.1	5,92	3	60310	130.2	6,16	4,5	111	1030	0,123	55	63
			4	557	20108	14862	54.4	4,01	1,5	38938	133.4	3,98	2,1	43	440	0,077	47	55
			2	205	9149	6154	51.2	1,83	0,4	16358	142.5	1,67	0,5	12	192	0,058	39	47
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Wall-mounted	10	1450	39941	31220	59.3	7,97	5,1	83758	122	8,55	8,1	332	2884	0,229	64	72
			8	1222	33961	26514	59.1	6,78	3,8	70420	121.9	7,19	5,9	218	1952	0,178	60	68
			6	907	25917	20147	58.6	5,17	2,4	52367	122	5,35	3,5	111	1030	0,123	55	63
			4	557	17275	13244	57.1	3,45	1,2	32973	123.3	3,37	1,6	43	440	0,077	47	55
			2	205	8024	5769	53	1,6	0,3	14045	132	1,43	0,3	12	192	0,058	39	47

Make use of our online calculation programs to calculate your heat outputs and flow rates with a couple of clicks!

► Kampmanngroup.com/venkon-xl

Performance data Venkon XL, size 1, 240 V

Filter class	System	Installation	Control voltage	Air flow	Cooling output, total ¹⁾	Cooling output, sensible	Outlet air temperature	Mass Flow	Pressure loss	Heat output ²⁾	Outlet air temperature	Mass Flow	Pressure loss	Power consumption	Current consumption	SFP value	Sound pressure level ³⁾	Sound power level
			[V]	[cfm]	[BTU]	[BTU]	[°F]	[GPM]	[ft H ₂ O]	[BTU]	[°F]	[GPM]	[ft H ₂ O]	[W]	[mA]	[W/cfm]	[dB(A)]	[dB(A)]
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Ceiling-mounted	10	539	17615	13355	56.1	3,51	5,4	42274	141.4	4,32	7,5	169	1420	0,314	65	73
			8	537	17564	13315	56.1	3,5	5,4	42145	141.5	4,3	7,4	170	1429	0,316	65	73
			6	480	15905	12023	55.9	3,17	4,5	37984	142	3,88	6,2	123	1053	0,255	62	70
			4	349	12032	9005	55.2	2,4	2,8	28218	143.7	2,88	3,7	52	463	0,149	54	62
			2	182	6952	5037	53.3	1,39	1,1	15355	147.1	1,57	1,3	12	128	0,067	40	48
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Wall-mounted	10	539	16755	12836	57.1	3,34	5	40755	138.8	4,16	7	169	1420	0,314	65	73
			8	537	16698	12792	57.1	3,33	4,9	40616	138.8	4,15	7	170	1429	0,316	65	73
			6	480	14871	11402	57.2	2,97	4	36181	138.5	3,69	5,7	123	1053	0,255	62	70
			4	349	10821	8294	57.1	2,16	2,3	26152	138.2	2,67	3,2	52	463	0,149	54	62
			2	182	6021	4551	55.9	1,2	0,8	13814	139.2	1,41	1	12	128	0,067	40	48
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Ceiling-mounted	10	539	15306	11909	58.7	3,05	6,6	27800	116.3	2,84	6,8	169	1420	0,314	65	73
			8	537	15262	11874	58.7	3,05	6,5	27720	116.3	2,83	6,8	170	1429	0,316	65	73
			6	480	13863	10759	58.4	2,77	5,5	25128	117	2,57	5,7	123	1053	0,255	62	70
			4	349	10577	8141	57.5	2,11	3,4	18980	118.9	1,94	3,5	52	463	0,149	54	62
			2	182	6236	4673	55.2	1,24	1,4	10717	123.2	1,09	1,3	12	128	0,067	40	48
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Wall-mounted	10	539	14470	11349	59.7	2,89	6	26133	113.4	2,67	6,1	169	1420	0,314	65	73
			8	537	14421	11311	59.7	2,88	5,9	26042	113.4	2,66	6,1	170	1429	0,316	65	73
			6	480	12856	10088	59.8	2,56	4,8	23137	113.1	2,36	4,9	123	1053	0,255	62	70
			4	349	9388	7362	59.7	1,87	2,8	16666	112.7	1,7	2,8	52	463	0,149	54	62
			2	182	5294	4103	58.3	1,06	1	8882	113.8	0,91	0,9	12	128	0,067	40	48
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Ceiling-mounted	10	494	16310	12339	56	3,25	4,7	39004	141.9	3,98	6,5	169	1424	0,343	65	73
			8	494	16310	12339	56	3,25	4,7	39004	141.9	3,98	6,5	170	1439	0,345	65	73
			6	418	14098	10615	55.6	2,81	3,7	33438	142.8	3,41	5	109	951	0,261	62	70
			4	290	10289	7646	54.7	2,05	2,1	23795	144.6	2,43	2,7	45	403	0,154	54	62
			2	133	5375	3806	52.4	1,07	0,7	11490	149	1,17	0,8	11	114	0,08	40	48
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Wall-mounted	10	494	15312	11738	57.1	3,05	4,2	37256	138.6	3,8	6	169	1424	0,343	65	73
			8	494	15312	11738	57.1	3,05	4,2	37256	138.6	3,8	6	170	1439	0,345	65	73
			6	418	12942	9926	57.2	2,58	3,2	31445	138.3	3,21	4,4	109	951	0,261	62	70
			4	290	9107	6966	56.9	1,82	1,7	21796	138.2	2,23	2,3	45	403	0,154	54	62
			2	133	4647	3465	54.9	0,93	0,5	10313	140.7	1,05	0,6	11	114	0,08	40	48
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Ceiling-mounted	10	494	14205	11032	58.5	2,83	5,8	25763	116.8	2,63	5,9	169	1424	0,343	65	73
			8	494	14205	11032	58.5	2,83	5,8	25763	116.8	2,63	5,9	170	1439	0,345	65	73
			6	418	12331	9540	58.1	2,46	4,5	22277	117.8	2,27	4,6	109	951	0,261	62	70
			4	290	9092	6957	57	1,81	2,6	16162	120.1	1,65	2,6	45	403	0,154	54	62
			2	133	4877	3585	54	0,97	0,9	8185	125.7	0,84	0,8	11	114	0,08	40	48
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Wall-mounted	10	494	13234	10383	59.8	2,64	5,1	23839	113.2	2,43	5,2	169	1424	0,343	65	73
			8	494	13234	10383	59.8	2,64	5,1	23839	113.2	2,43	5,2	170	1439	0,345	65	73
			6	418	11203	8791	59.8	2,24	3,8	20063	112.9	2,05	3,8	109	951	0,261	62	70
			4	290	7923	6202	59.5	1,58	2,1	13897	112.8	1,42	2	45	403	0,154	54	62
			2	133	4128	3163	57.1	0,82	0,7	6709	115.3	0,68	0,6	11	114	0,08	40	48

Make use of our online calculation programs to calculate your heat outputs and flow rates with a couple of clicks!

► Kampmanngroup.com/venkon-xl

Performance data Venkon XL, size 2, 240 V

Filter class	System	Installation	Control voltage	Air flow	Cooling output, total ¹⁾	Cooling output, sensible	Outlet air temperature	Mass flow	Pressure loss	Heat output ²⁾	Outlet air temperature	Mass flow	Pressure loss	Power consumption	Current consumption	SFP value	Sound pressure level ³⁾	Sound power level
			[V]	[cfm]	[BTU]	[BTU]	[°F]	[GPM]	[ft H ₂ O]	[BTU]	[°F]	[GPM]	[ft H ₂ O]	[W]	[mA]	[W/cfm]	[dB(A)]	[dB(A)]
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Ceiling-mounted	10	949	31226	23641	56	6,23	6,7	74577	141.5	7,61	9,1	244	1930	0,257	64	72
			8	830	27753	20936	55.7	5,54	5,4	65871	142.2	6,72	7,3	171	1398	0,206	61	69
			6	657	22613	16934	55.2	4,51	3,8	52964	143.4	5,41	5	91	754	0,138	56	64
			4	444	16165	11914	54.2	3,23	2,1	36730	145.4	3,75	2,6	36	313	0,081	48	56
			2	211	8728	6115	52.1	1,74	0,7	18372	149.6	1,88	0,8	9	103	0,044	37	45
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Wall-mounted	10	949	29931	22867	56.8	5,97	6,2	72228	139.2	7,37	8,6	244	1930	0,257	64	72
			8	830	26092	19949	56.9	5,21	4,9	62891	138.9	6,42	6,7	171	1398	0,206	61	69
			6	657	20654	15790	56.9	4,12	3,2	49517	138.5	5,06	4,4	91	754	0,138	56	64
			4	444	14291	10872	56.4	2,85	1,7	33506	138.6	3,42	2,2	36	313	0,081	48	56
			2	211	7599	5617	54.4	1,52	0,6	16526	141.4	1,69	0,6	9	103	0,044	37	45
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Ceiling-mounted	10	949	27278	21186	58.5	5,44	9,8	58184	125.4	5,94	16,1	244	1930	0,257	64	72
			8	830	24335	18843	58.2	4,86	8,1	51628	126.2	5,27	13,1	171	1398	0,206	61	69
			6	657	19959	15358	57.5	3,98	5,7	41845	127.6	4,27	9	91	754	0,138	56	64
			4	444	14426	10952	56.3	2,88	3,2	29409	130	3	4,9	36	313	0,081	48	56
			2	211	7981	5806	53.5	1,59	1,1	15094	135	1,54	1,5	9	103	0,044	37	45
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Wall-mounted	10	949	26035	20361	59.4	5,19	9,1	55493	122.7	5,67	14,8	244	1930	0,257	64	72
			8	830	22744	17791	59.4	4,54	7,2	48200	122.3	4,92	11,6	171	1398	0,206	61	69
			6	657	18079	14133	59.3	3,61	4,8	37839	121.9	3,86	7,6	91	754	0,138	56	64
			4	444	12604	9808	58.7	2,51	2,5	25582	121.9	2,61	3,8	36	313	0,081	48	56
			2	211	6845	5197	56.3	1,37	0,9	12729	124.5	1,3	1,1	9	103	0,044	37	45
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Ceiling-mounted	10	831	27771	20950	55.7	5,54	5,4	65915	142.2	6,73	7,3	225	1793	0,27	64	72
			8	715	24358	18293	55.4	4,86	4,3	57352	143	5,85	5,7	154	1265	0,215	61	69
			6	543	19198	14275	54.7	3,83	2,8	44364	144.4	4,53	3,7	79	663	0,145	56	64
			4	340	12955	9409	53.4	2,58	1,4	28679	146.8	2,93	1,7	30	270	0,089	48	56
			2	137	6106	4097	51.1	1,22	0,4	12348	152.6	1,26	0,4	8	93	0,057	37	45
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Wall-mounted	10	831	26111	19963	56.9	5,21	4,9	62937	138.9	6,43	6,7	225	1793	0,27	64	72
			8	715	22466	17180	56.9	4,48	3,7	54000	138.6	5,51	5,2	154	1265	0,215	61	69
			6	543	17217	13141	56.7	3,44	2,3	40925	138.5	4,18	3,2	79	663	0,145	56	64
			4	340	11322	8551	55.8	2,26	1,1	25904	139.2	2,64	1,4	30	270	0,089	48	56
			2	137	5361	3847	52.9	1,07	0,3	11228	144.9	1,15	0,3	8	93	0,057	37	45
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Ceiling-mounted	10	831	24350	18854	58.2	4,86	8,1	51661	126.2	5,27	13,1	225	1793	0,27	64	72
			8	715	21449	16544	57.8	4,28	6,5	45179	127.1	4,61	10,3	154	1265	0,215	61	69
			6	543	17034	13029	56.9	3,4	4,3	35279	128.8	3,6	6,7	79	663	0,145	56	64
			4	340	11652	8739	55.3	2,32	2,2	23171	131.7	2,37	3,2	30	270	0,089	48	56
			2	137	5677	3971	52	1,13	0,6	10346	138.9	1,06	0,8	8	93	0,057	37	45
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Wall-mounted	10	831	22760	17804	59.4	4,54	7,2	48235	122.3	4,92	11,6	225	1793	0,27	64	72
			8	715	19634	15355	59.4	3,92	5,5	41300	122	4,22	8,8	154	1265	0,215	61	69
			6	543	15122	11803	59.1	3,02	3,5	31241	121.8	3,19	5,4	79	663	0,145	56	64
			4	340	10046	7770	58.1	2	1,7	19814	122.4	2,02	2,4	30	270	0,089	48	56
			2	137	4914	3635	54.4	0,98	0,5	8770	128.1	0,9	0,6	8	93	0,057	37	45

Make use of our online calculation programs to calculate your heat outputs and flow rates with a couple of clicks!

► Kampmanngroup.com/venkon-xl

Performance data Venkon XL, size 3, 240 V

Filter class	System	Installation	Control voltage	Air flow	Cooling output, total ¹⁾	Cooling output, sensible	Outlet air temperature	Mass Flow	Pressure loss	Heat output ²⁾	Outlet air temperature	Mass Flow	Pressure loss	Power consumption	Current consumption	SFP value	Sound pressure level ³⁾	Sound power level
			[V]	[cfm]	[BTU]	[BTU]	[°F]	[GPM]	[ft H2O]	[BTU]	[°F]	[GPM]	[ft H2O]	[W]	[mA]	[W/cfm]	[dB(A)]	[dB(A)]
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Ceiling-mounted	10	1461	48218	36482	56	9,62	5	115071	141.7	11,75	6,9	417	3159	0,285	67	75
			8	1367	45478	34347	55.8	9,07	4,5	108203	142.1	11,05	6,2	354	2779	0,259	67	75
			6	1118	38132	28627	55.4	7,61	3,3	89762	143.1	9,16	4,4	215	1743	0,192	63	71
			4	775	27832	20603	54.4	5,55	1,9	63796	145	6,51	2,4	87	764	0,113	56	64
			2	378	15322	10844	52.4	3,06	0,7	32666	148.9	3,33	0,7	22	260	0,057	43	51
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Wall-mounted	10	1461	45868	35074	56.9	9,15	4,6	110838	139	11,32	6,4	417	3159	0,285	67	75
			8	1367	42847	32776	56.9	8,55	4,1	103494	138.8	10,57	5,7	354	2779	0,259	67	75
			6	1118	35006	26785	57	6,98	2,9	84264	138.5	8,6	4	215	1743	0,192	63	71
			4	775	24692	18829	56.6	4,93	1,6	58408	138.5	5,96	2,1	87	764	0,113	56	64
			2	378	13312	9907	54.8	2,66	0,5	29352	140.7	3	0,6	22	260	0,057	43	51
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Ceiling-mounted	10	1461	42418	32892	58.3	8,46	9,8	89854	125.6	9,17	12,1	417	3159	0,285	67	75
			8	1367	40088	31036	58.2	8	8,9	84683	126	8,65	10,9	354	2779	0,259	67	75
			6	1118	33813	26041	57.6	6,75	6,6	70734	127.2	7,22	8	215	1743	0,192	63	71
			4	775	24927	18971	56.5	4,97	3,9	50904	129.4	5,2	4,5	87	764	0,113	56	64
			2	378	14029	10275	53.8	2,8	1,4	26726	134.2	2,73	1,4	22	260	0,057	43	51
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Wall-mounted	10	1461	40192	31421	59.3	8,02	8,9	85006	122.5	8,68	11	417	3159	0,285	67	75
			8	1367	37601	29397	59.3	7,5	7,9	79279	122.3	8,09	9,7	354	2779	0,259	67	75
			6	1118	30865	24119	59.3	6,16	5,6	64372	121.9	6,57	6,8	215	1743	0,192	63	71
			4	775	21953	17091	58.8	4,38	3,1	44555	121.8	4,55	3,5	87	764	0,113	56	64
			2	378	12060	9192	56.5	2,41	1,1	22562	123.9	2,3	1,1	22	260	0,057	43	51
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Ceiling-mounted	10	1293	43297	32649	55.7	8,64	4,2	102733	142.4	10,49	5,6	392	3024	0,303	67	75
			8	1204	40681	30612	55.6	8,12	3,7	96168	142.7	9,82	5	336	2657	0,279	67	75
			6	938	32733	24423	54.9	6,53	2,5	76166	144	7,78	3,3	191	1568	0,204	63	71
			4	606	22613	16531	53.7	4,51	1,3	50648	146.2	5,17	1,6	73	653	0,121	56	64
			2	253	11034	7526	51.4	2,2	0,4	22635	151.6	2,31	0,4	19	242	0,074	43	51
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Wall-mounted	10	1293	40479	30971	57	8,08	3,7	97716	138.7	9,98	5,2	392	3024	0,303	67	75
			8	1204	37683	28835	57	7,52	3,3	90863	138.6	9,28	4,5	336	2657	0,279	67	75
			6	938	29492	22546	56.9	5,88	2,1	70545	138.4	7,2	2,9	191	1568	0,204	63	71
			4	606	19796	15011	56.2	3,95	1,1	45868	138.9	4,68	1,4	73	653	0,121	56	64
			2	253	9641	7002	53.4	1,92	0,3	20476	143.6	2,09	0,3	19	242	0,074	43	51
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Ceiling-mounted	10	1293	38230	29556	58	7,63	8,2	80556	126.3	8,22	10	392	3024	0,303	67	75
			8	1204	35996	27778	57.8	7,18	7,3	75591	126.7	7,72	8,9	336	2657	0,279	67	75
			6	938	29166	22345	57.1	5,82	5,1	60380	128.3	6,16	6	191	1568	0,204	63	71
			4	606	20392	15357	55.6	4,07	2,7	40761	131	4,16	3	73	653	0,121	56	64
			2	253	10256	7265	52.4	2,05	0,8	18829	137.5	1,92	0,8	19	242	0,074	43	51
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Wall-mounted	10	1293	35570	27807	59.3	7,1	7,2	74786	122.1	7,63	8,8	392	3024	0,303	67	75
			8	1204	33168	25926	59.3	6,62	6,4	69472	122	7,09	7,7	336	2657	0,279	67	75
			6	938	26112	20378	59.1	5,21	4,2	53824	121.7	5,49	4,9	191	1568	0,204	63	71
			4	606	17697	13710	58.2	3,53	2,1	35038	122.1	3,58	2,3	73	653	0,121	56	64
			2	253	8868	6612	54.9	1,77	0,6	15908	126.7	1,62	0,6	19	242	0,074	43	51

Make use of our online calculation programs to calculate your heat outputs and flow rates with a couple of clicks!

► Kampmanngroup.com/venkon-xl

Performance data Venkon XL, size 4, 240 V

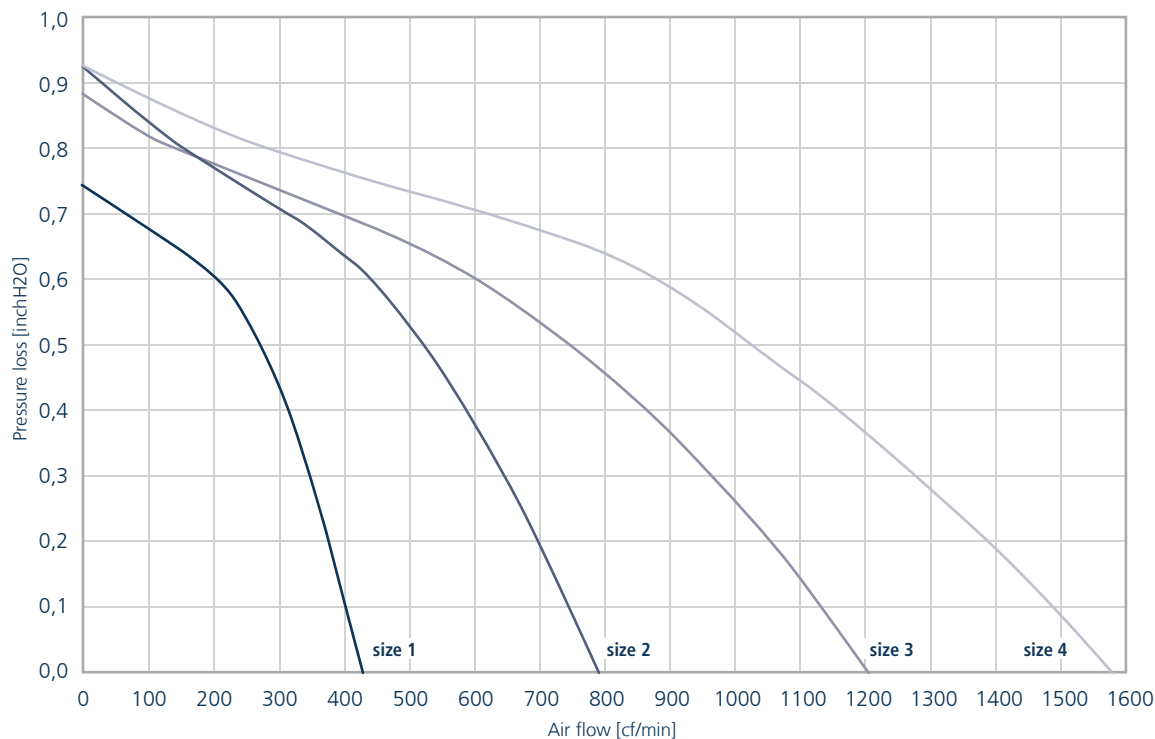
Filter class	System	Installation	Control voltage	Air flow	Cooling output, total ¹⁾	Cooling output, sensible	Outlet air temperature	Mass Flow	Pressure loss	Heat output ²⁾	Outlet air temperature	Mass Flow	Pressure loss	Power consumption	Current consumption	SFP value	Sound pressure level ³⁾	Sound power level
			[V]	[cfm]	[BTU]	[BTU]	[°F]	[GPM]	[ft H2O]	[BTU]	[°F]	[GPM]	[ft H2O]	[W]	[mA]	[W/cfm]	[dB(A)]	[dB(A)]
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Ceiling-mounted	10	1879	63020	47503	55.7	12,57	10,2	149433	142.4	15,26	13,7	482	3627	0,256	66	74
			8	1677	57047	42851	55.4	11,38	8,5	134386	143	13,72	11,4	352	2707	0,21	63	71
			6	1336	46838	34908	54.9	9,35	6	108715	144.1	11,1	7,8	193	1544	0,144	58	66
			4	914	33874	24828	53.9	6,76	3,4	76207	146	7,78	4,2	76	654	0,084	50	58
			2	433	18228	12666	51.9	3,64	1,1	37891	149.9	3,87	1,2	19	234	0,044	39	47
"MERV 8 / ePM10 filter >50% (M5)"	2-pipe	Wall-mounted	10	1879	60063	45764	56.6	11,98	9,3	143937	139.7	14,69	12,8	482	3627	0,256	66	74
			8	1677	53570	40822	56.6	10,69	7,6	127967	139.4	13,06	10,4	352	2707	0,21	63	71
			6	1336	42898	32656	56.5	8,56	5,2	101542	139.1	10,37	6,9	193	1544	0,144	58	66
			4	914	30163	22825	56	6,02	2,8	69594	139.2	7,1	3,6	76	654	0,084	50	58
			2	433	16022	11748	53.9	3,2	0,9	34154	141.8	3,49	1	19	234	0,044	39	47
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Ceiling-mounted	10	1879	54557	42307	58.3	10,89	8,8	116098	125.8	11,85	14,3	482	3627	0,256	66	74
			8	1677	49514	38290	58	9,88	7,4	104827	126.5	10,7	12	352	2707	0,21	63	71
			6	1336	40876	31414	57.4	8,16	5,3	85505	127.9	8,73	8,4	193	1544	0,144	58	66
			4	914	29866	22651	56.2	5,96	3,1	60768	130.2	6,2	4,6	76	654	0,084	50	58
			2	433	16491	11971	53.4	3,29	1,1	31084	135.2	3,17	1,4	19	234	0,044	39	47
"MERV 8 / ePM10 filter >50% (M5)"	4-pipe	Wall-mounted	10	1879	51620	40365	59.3	10,3	8	109721	122.6	11,2	13	482	3627	0,256	66	74
			8	1677	46055	36014	59.3	9,19	6,5	97363	122.3	9,94	10,5	352	2707	0,21	63	71
			6	1336	36936	28857	59.2	7,37	4,4	77061	122	7,87	7	193	1544	0,144	58	66
			4	914	26108	20300	58.6	5,21	2,4	52798	122	5,39	3,6	76	654	0,084	50	58
			2	433	14170	10742	56.1	2,83	0,8	26207	124.6	2,68	1	19	234	0,044	39	47
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Ceiling-mounted	10	1626	55524	41665	55.3	11,08	8,1	130553	143.1	13,33	10,8	440	3338	0,271	66	74
			8	1419	49327	36844	55	9,84	6,6	114969	143.8	11,74	8,6	312	2430	0,22	63	71
			6	1080	39013	28824	54.3	7,78	4,4	89073	145.2	9,09	5,5	164	1334	0,152	58	66
			4	680	26454	19057	53.1	5,28	2,2	57770	147.4	5,9	2,6	62	549	0,092	50	58
			2	268	12275	8099	50.9	2,45	0,6	24342	153	2,49	0,6	16	215	0,059	39	47
"MERV 13 / ePM1 filter >50% (F7)"	2-pipe	Wall-mounted	10	1626	51944	39581	56.6	10,36	7,2	123955	139.3	12,65	9,9	440	3338	0,271	66	74
			8	1419	45449	34613	56.5	9,07	5,7	107883	139.1	11,01	7,7	312	2430	0,22	63	71
			6	1080	35098	26648	56.3	7	3,6	82035	139.1	8,37	4,8	164	1334	0,152	58	66
			4	680	23304	17475	55.3	4,65	1,8	52239	139.8	5,33	2,2	62	549	0,092	50	58
			2	268	10888	7697	52.4	2,17	0,5	22212	145.6	2,27	0,5	16	215	0,059	39	47
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Ceiling-mounted	10	1626	48227	37265	58	9,62	7,1	101952	126.7	10,41	11,4	440	3338	0,271	66	74
			8	1419	42984	33092	57.6	8,58	5,8	90228	127.5	9,21	9,2	312	2430	0,22	63	71
			6	1080	34237	26130	56.7	6,83	3,9	70600	129.2	7,21	6	164	1334	0,152	58	66
			4	680	23545	17609	55.1	4,7	2	46571	132	4,75	2,9	62	549	0,092	50	58
			2	268	11307	7846	51.8	2,26	0,6	20463	139.5	2,09	0,7	16	215	0,059	39	47
"MERV 13 / ePM1 filter >50% (F7)"	4-pipe	Wall-mounted	10	1626	44662	34924	59.3	8,91	6,2	94269	122.3	9,62	9,9	440	3338	0,271	66	74
			8	1419	39112	30569	59.3	7,8	4,9	81912	122	8,36	7,8	312	2430	0,22	63	71
			6	1080	30296	23649	59	6,04	3,1	62212	121.9	6,35	4,8	164	1334	0,152	58	66
			4	680	20307	15675	57.8	4,05	1,5	39739	122.6	4,06	2,2	62	549	0,092	50	58
			2	268	9824	7224	54.1	1,96	0,4	17375	128.7	1,77	0,5	16	215	0,059	39	47

Make use of our online calculation programs to calculate your heat outputs and flow rates with a couple of clicks!

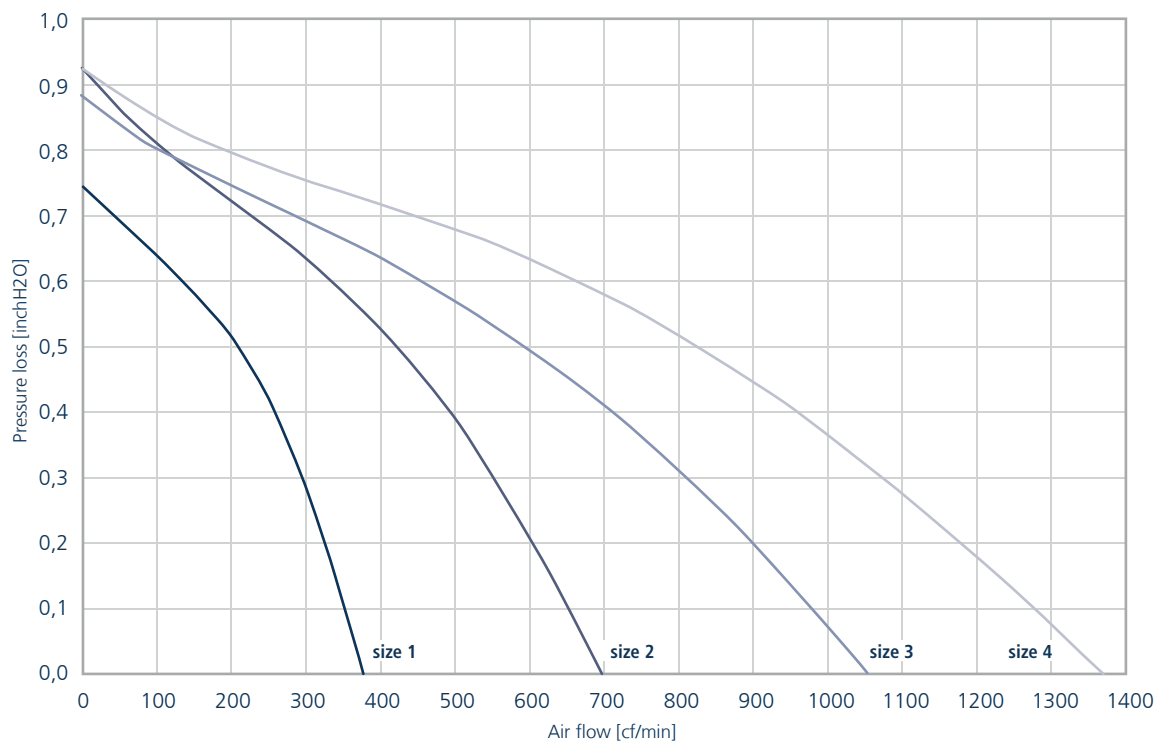
► Kampmanngroup.com/venkon-xl

Air flow diagrams for Venkon XL

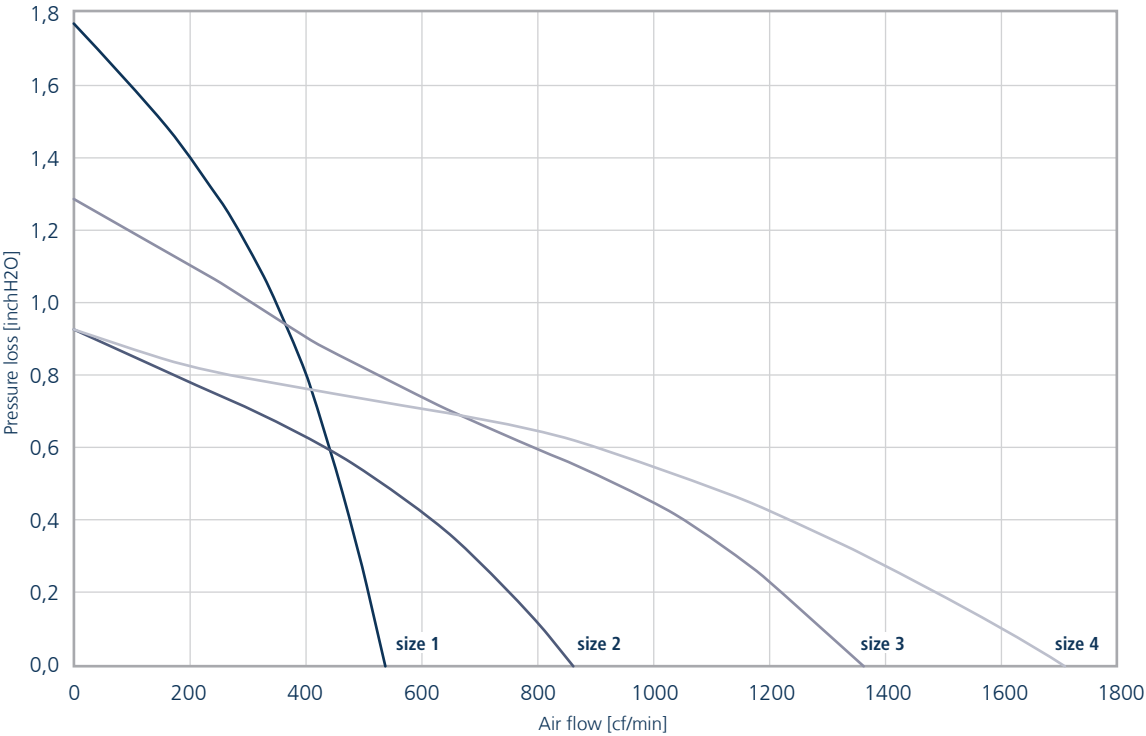
Air flow - pressure loss Venkon XL 115 Volt (Merv 8)



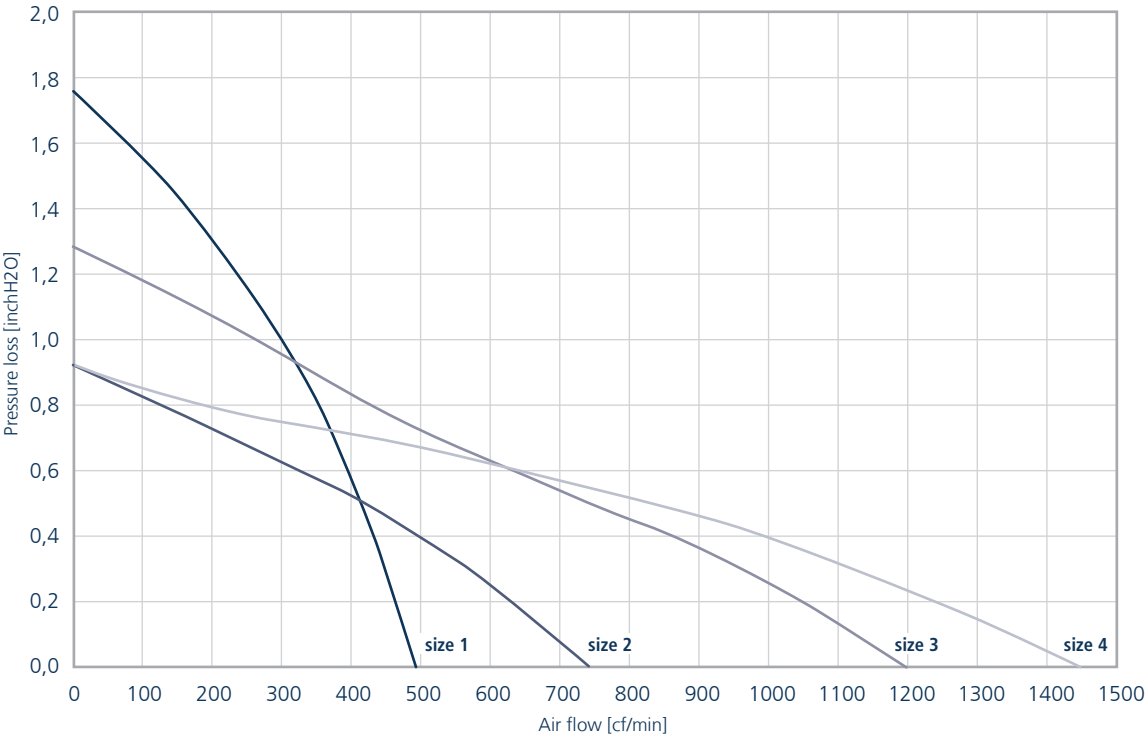
Air flow - pressure loss Venkon XL 115 Volt (Merv 13)



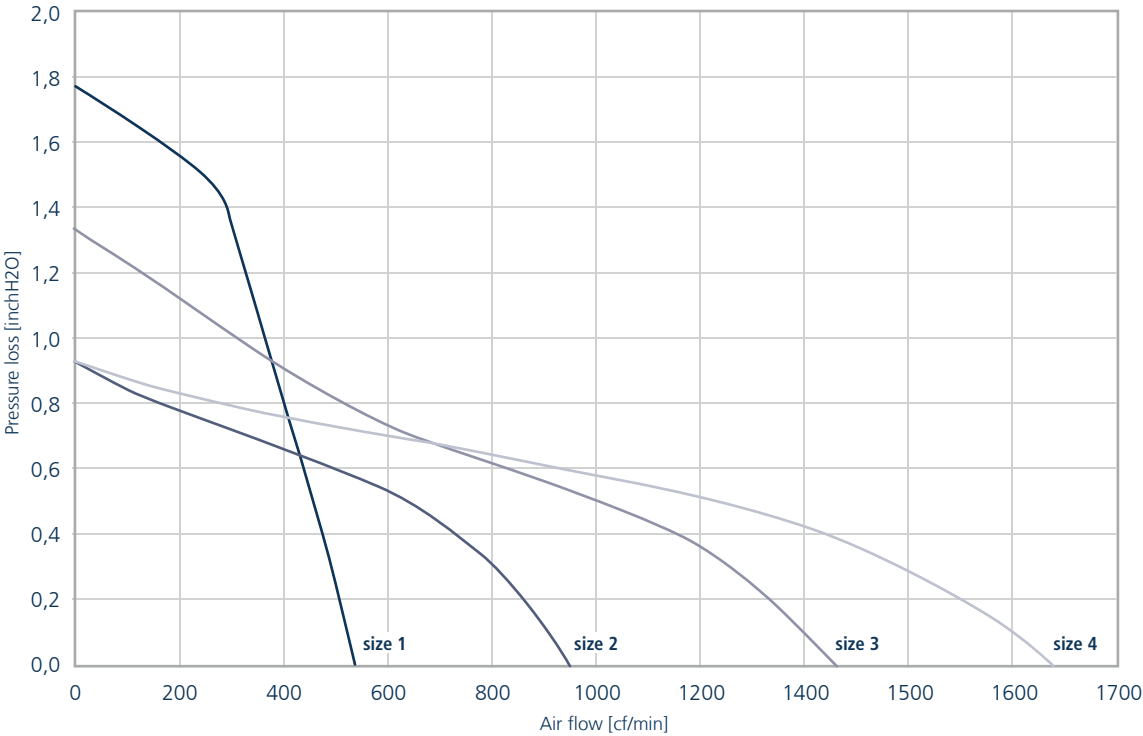
Air flow - pressure loss Venkon XL 208 Volt (Merv 8)



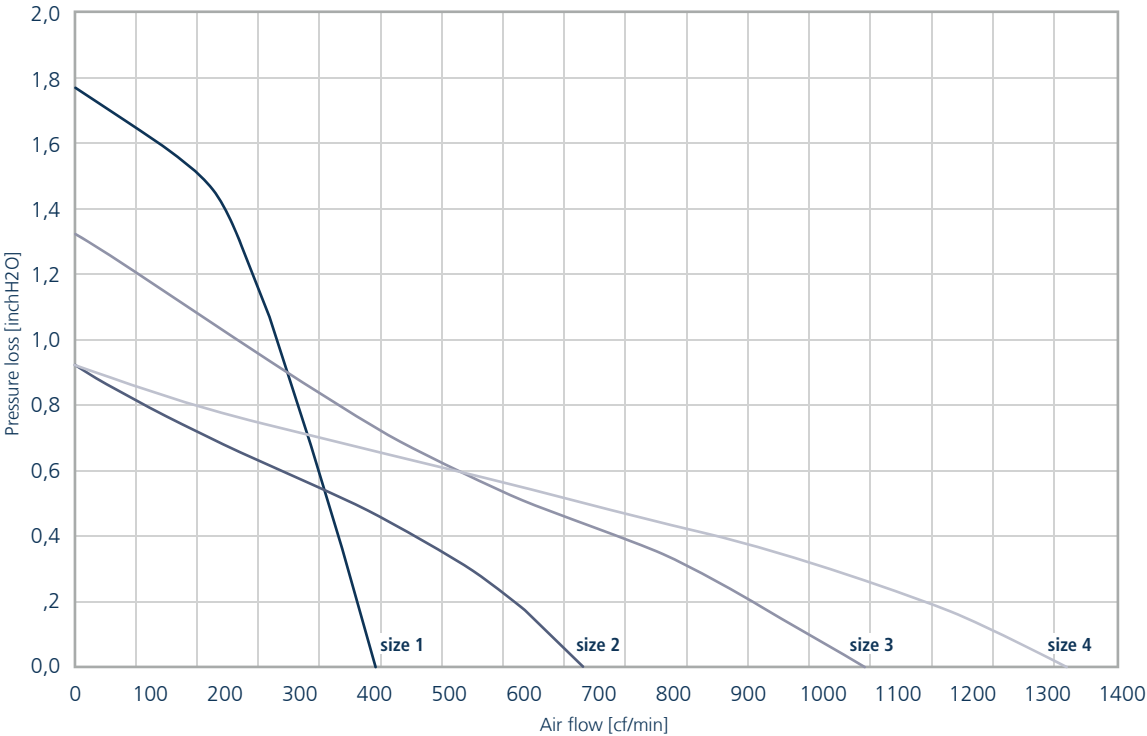
Air flow - pressure loss Venkon XL 208 Volt (Merv 13)



Air flow pressure loss Venkon XL 240 Volt (Merv 8)



Air flow - pressure loss Venkon XL 240 Volt (Merv 13)



03 ► Design information



Information on planning and design

Venkon XL units are suitable for use in all kinds of buildings in which there is a cooling load owing to internal loads and the effects of sunlight and/or a heating load in winter.

Cooling load

The cooling load required is calculated in line with VDI 2078 (VDI regulations governing cooling loads).

The usual cold water temperature spread is approximately 5 K. Take into account the effective unit outputs in line with the technical conditions of installation and use. Check the suitability of all components (circulation pump etc.) for use with cold water is, noting the minimum temperatures.

Heating load

The required heating load is calculated in accordance with DIN EN 12831.

Choice of the installation site

Take into account the following requirements when choosing your installation location:

- ▶ no obstacles to air distribution and air inlet
- ▶ option to inspect the entire unit
- ▶ positioning of the Venkon XL in coordination with the architecture and building services planning

Connection unit for circular pipe

The Venkon XL can be fitted with a connection unit for circular pipe DN 200 (sizes of DN 180, DN 150, DN 125 or DN 100 are also available) on the discharge side for targeted air routing to ventilation end components. The number of spigots is variable. Providing conditions on site do not specify a number of spigots, we recommend using the number specified depending on the air volume ranges.

Acoustics

When designing a system, note that disruptive noise may occur at higher fan speeds. The respective sound power levels of a Venkon XL are listed in the tables (see "Technical data"). The sound pressure level was calculated with an assumed room insulation of 8 dB(A). This corresponds to a distance of 2 m, a room volume of 100 m³ and a reverberation time of 0.5 s (in accordance with VDI 2081).

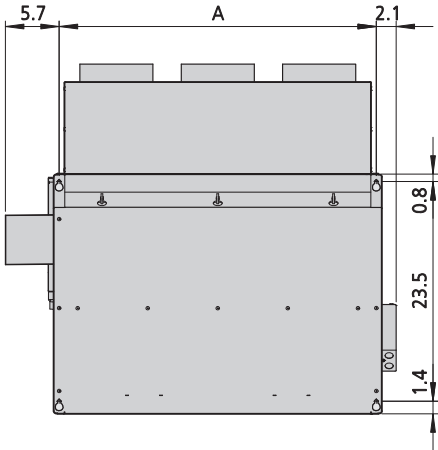
As the sound level is not only due to the Venkon XL but is also influenced by the number of units and also very significantly by the acoustic characteristics of the room, the actual figure may vary in practice.

External pressure

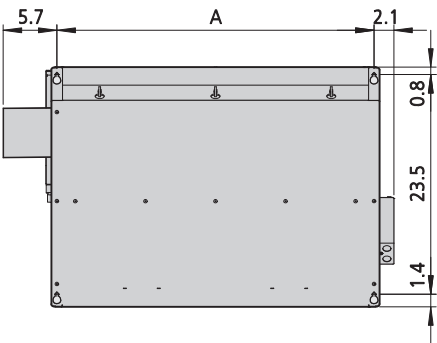
The effective air volume can be read off in the air volume diagrams when using an MERV 8 or a MERV 13 filter and higher external pressure. Alternatively all data can be found on the website.

- ▶ <https://www.kampmann.us/hvac/products/fan-coils/venkon-xl>

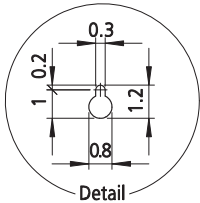
Suspension points



Top view
Basic unit with connection unit for circular pipe



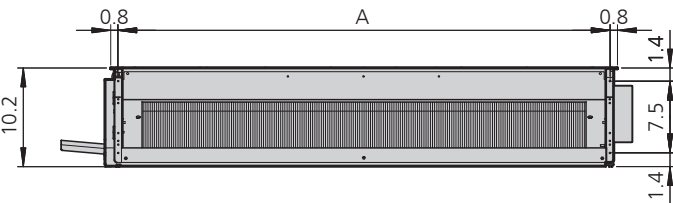
Top view of basic unit



Dimensions

Model	Distance A suspension [inch]
1	22.05
2	33.86
3	51.58
4	65.35

Frame connection



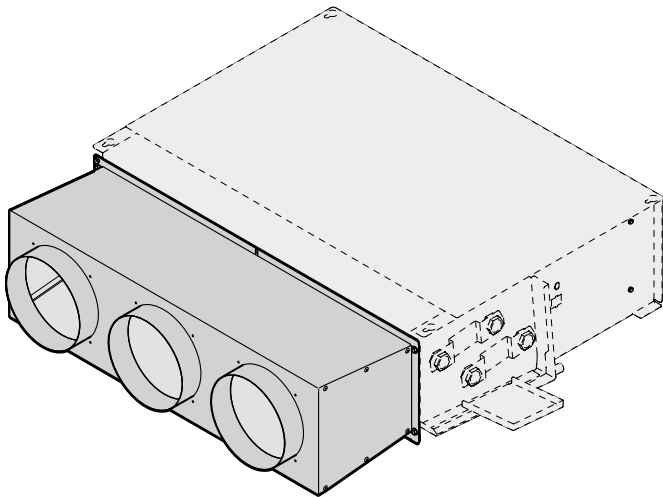
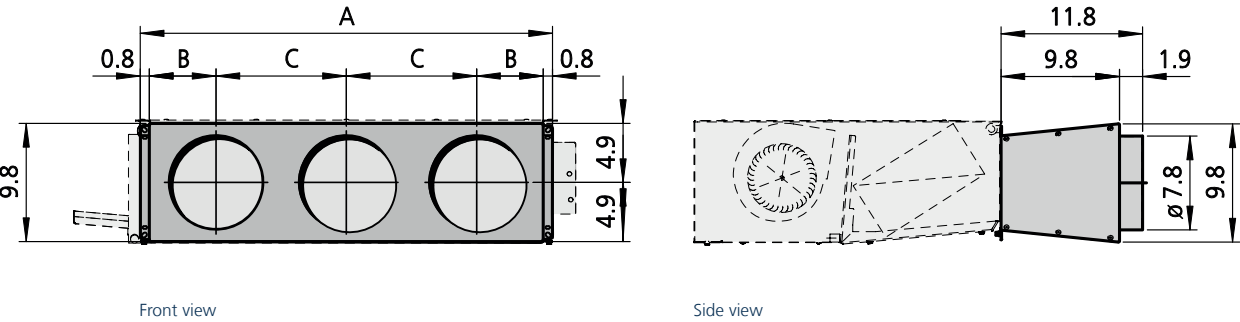
Back view (air outlet side)

Dimensions

Model	Unit width A [inch]
1	21.7
2	33.5
3	51.2
4	65.0

Connection unit for circular pipe

Example of model 2



the air spigots can be selected in different sizes:
7.87 inch (standard), 7.09 inch, 5.91 inch,
47.24 or 39.37 inch.

Dimensions

Model	Unit width A	Edge distance B	Interim distance C
	[inch]	[inch]	[inch]
1	22.4	5.5	9.8
2	34.3	5.5	10.8
3	52.0	6.0	12.8
4	65.7	5.3	13.4

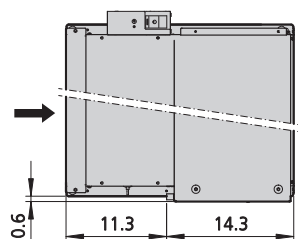
Recommended number of spigots in diameter 7.87 inch

Model	Air volume	Spigots
	[m³/h]	[Quantity]
1	–	2
2	< 1350	3
	> 1350	4 or 5
3	< 1800	4
	1800 - 2250	5
	> 2250	6
4	< 2250	5
	2250 - 2700	6
	> 2700	7

Water connection dimensions for 2-pipe

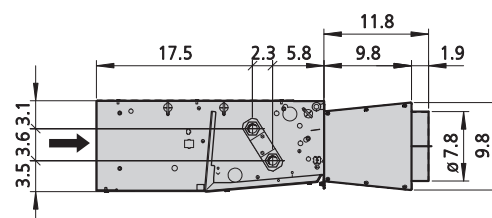
Venkon XL, connection on left

(all dimensions in mm)



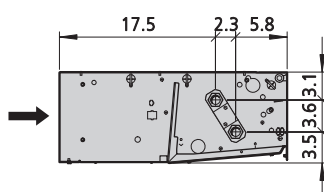
View from below

Venkon XL with connection unit for circular pipe



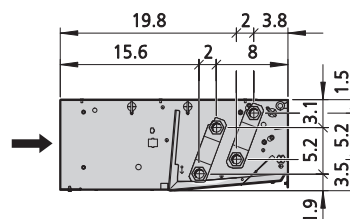
Side view, connection side for 2-pipe,
with connection unit for circular pipe

Venkon XL, connection on right



Side view, connection side for 2-pipe

Venkon XL with connection unit for circular pipe, connection on right



Side view, connection side for 4-pipe

Connections

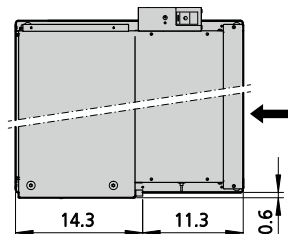
- ① Flow 3/4"
- ② Return 3/4"
- ⑤ Condensation drain Ø 15 mm
- ⑥ Air vent

➔ Air direction/air inlet

Water connection dimensions for 4-pipe

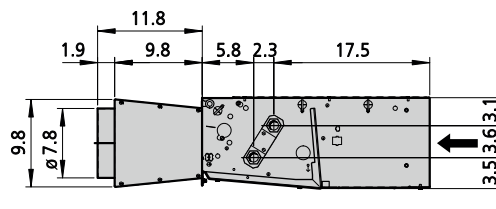
Venkon XL, connection on left

(all dimensions in mm)



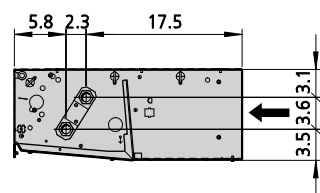
View from below

Venkon XL with connection unit for circular pipe, connection on left



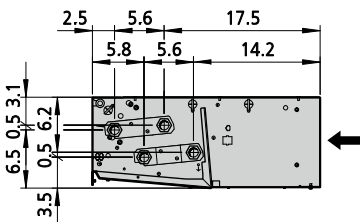
Side view, connection side for 2-pipe,
with connection unit for circular pipe

Venkon XL, connection on right



Side view, connection side for 2-pipe

Venkon XL with connection unit for circular pipe, connection on right



Side view, connection side for 4-pipe

Connections

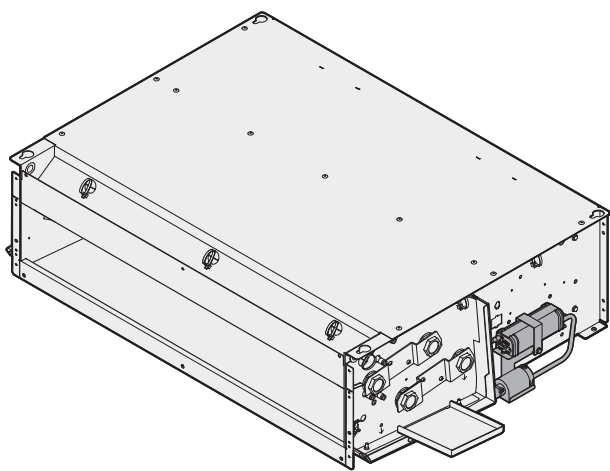
- ① Cooling flow 3/4"
- ② Cooling return 3/4"
- ③ Heating flow 1/2"
- ④ Heating return 1/2"
- ⑤ Condensation drain Ø 15 mm
- ⑥ Air vent

➡ Air direction/air inlet

Condensation drain

Condensation is produced if Venkon XL units are operated at a system temperature below the dew point. The condensation from the heat exchanger drips into the condensate tray underneath. You will need a condensation pump (optional accessories) should a natural gradient be impossible on site. This is used to pump the condensation into higher collection or discharge equipment.

The condensation to be disposed of from the Venkon XL, directly from the condensation tray or from the condensation pump hose, has to follow a minimum 1% gradient. If necessary, the condensation has to be collected in a pool pump on site if it has to be drained higher than the optional pump allows.



Example of condensation pump arrangement

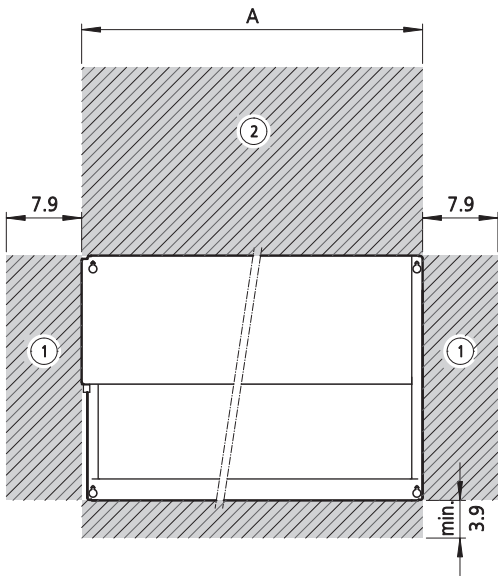
Inspection hatch

Provide the following service hatches for installation, maintenance and inspection with suspended ceiling units beside the unit (see hatched area) and below the unit.

Model	Unit width
	[inch]
1	23.8
2	35.6
3	53.3
4	67.1

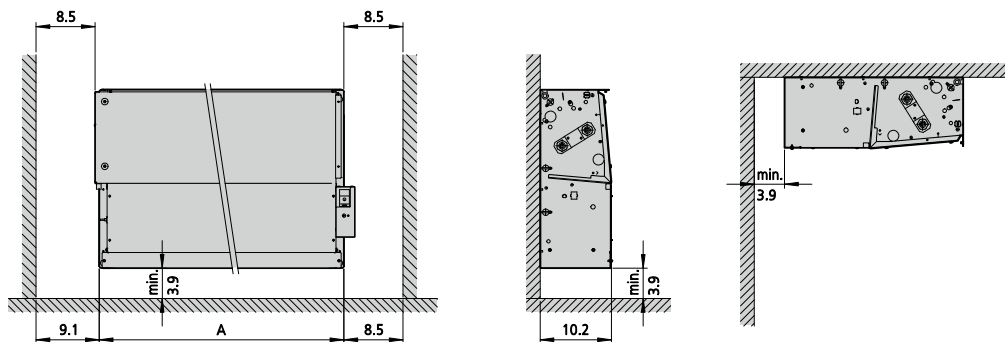
Installations area and Revision area

- ① Revision area
- ② Installations area duct system
Dimensioning by the customer



Front view

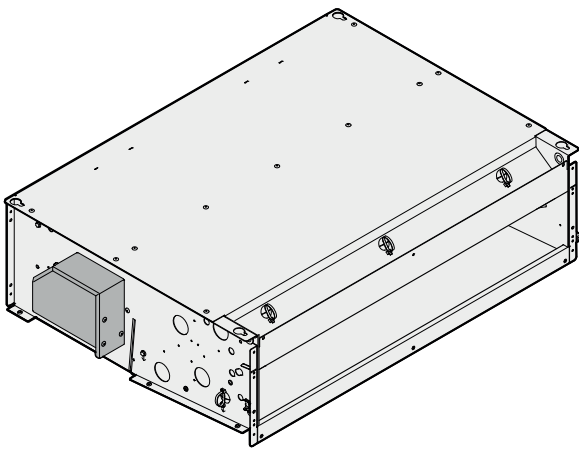
Minimum clearances



Control options

Example of 4-pipe, connection on left

with electromechanical control and differential pressure switch (00D) with KaControl and differential pressure switch (C1D)

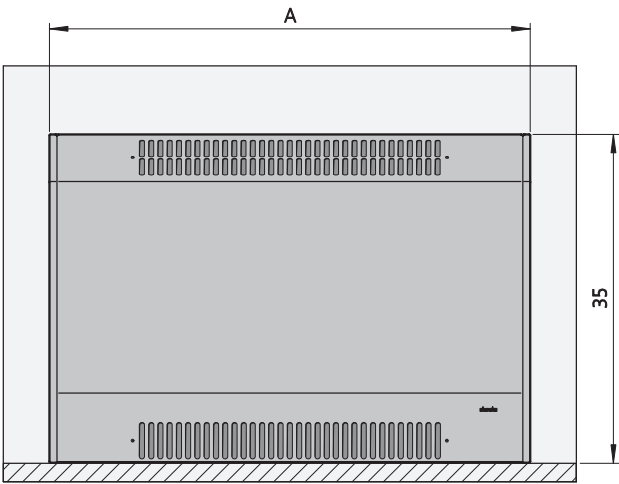


Important note: The differential pressure switch with the control versions (*00D and *C1D) can only be evaluated by an external controller.

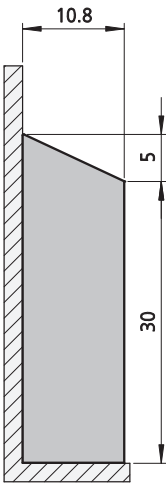
Cladding variants (RAL 9016)



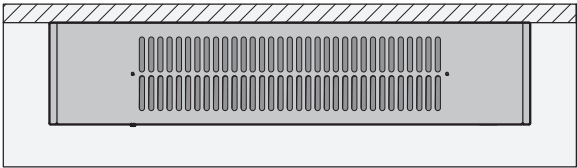
Air recirculation cladding for Kampmann Venkon with a slimline design. Made of sheet steel (min. 0.04 inch thick) powder-coated in white RAL 9016. Easy to dismantle for inspection purposes and maintenance-friendly accessible. Suitable for water connection on the left and right. Further colors on request.



Front view

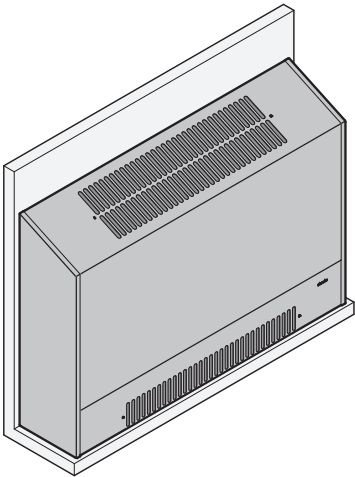


Side view

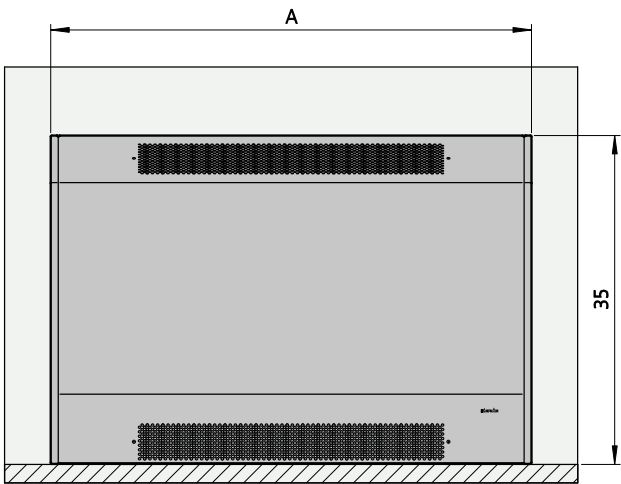
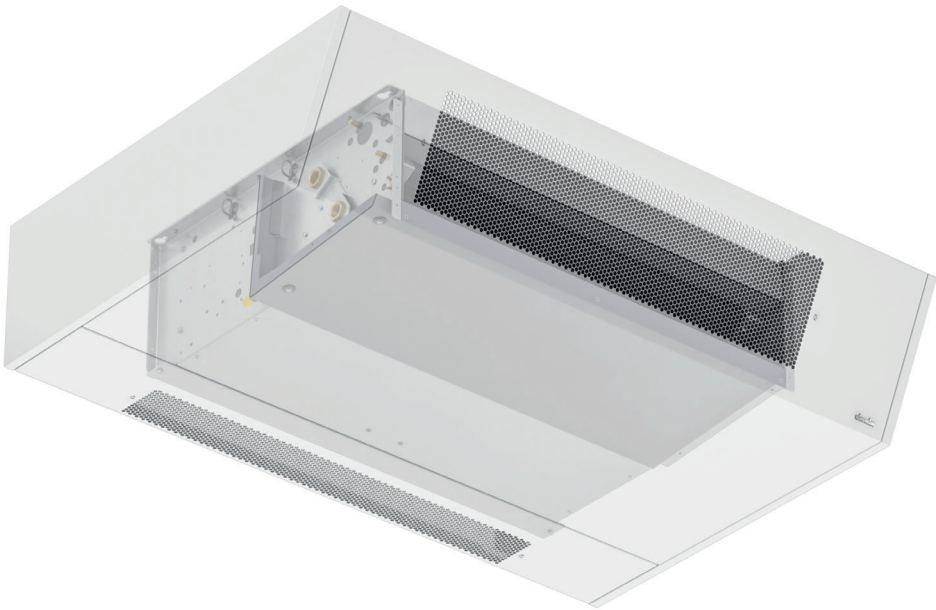


Top view

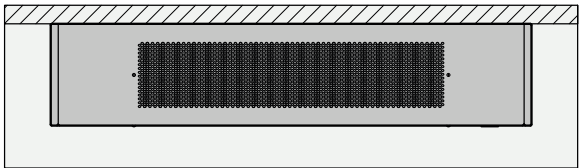
Model	Unit width A
	[inch]
1	39.3
2	51.1
3	68.9
4	82.7



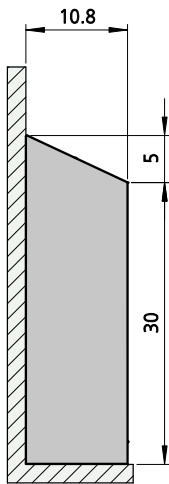
Isometric view



Front view

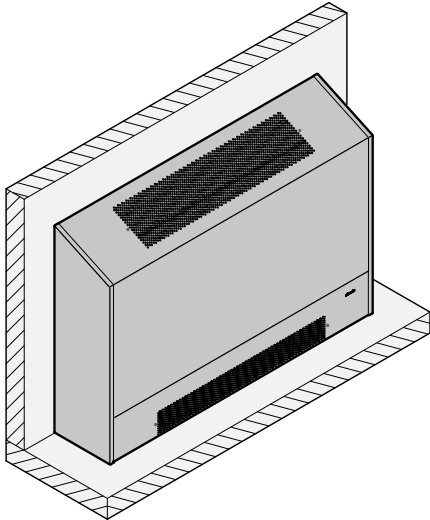


Top view



Side view

Model	Unit width A
	[inch]
1	39.3
2	51.1
3	68.9
4	82.7



Isometric view

04 ▶ Controls

Control of Venkon XL electromechanical model

Product features

The fans are wired to the terminal with the electromechanical model. The appropriate terminals are available for valve drives on site.

Fans

The speed of EC fans used is continuously variably controlled by a 0-10 V DC signal. The "intelligent" motor electronics detects any possible motor fault and automatically switches the fan off.

Maximum electrical rating values

Venkon XL, electromechanical version (115 V)

Size	Number of fans	Rated voltage	Power frequency	Rated power	Rated current	Leakage current	Ri analog input	MCA	MOP	Protection class
	[Quantity]	[VAC]	[Hz]	[W]	[A]	[mA]	[kΩ]			
1	1 x Single	115	60	100	1.5	1.29	100	1.88	15	IP21
2	1 x Tandem	115	60	170	2.5	1.29	100	3.13	15	IP21
3	1 x Single, 1 x Tandem	115	60	268	3.8	2.58	50	4.75	15	IP21
4	2 x Tandem	115	60	342	4.8	2.58	50	6.00	15	IP21

Venkon XL, electromechanical version (208 V)

Size	Number of fans	Rated voltage	Power frequency	Rated power	Rated current	Leakage current	Ri analog input	MCA	MOP	Protection class
	[Quantity]	[VAC]	[Hz]	[W]	[A]	[mA]	[kΩ]			
1	1 x Single	208	50	170	1.6	1.29	100	2.00	15	IP21
2	1 x Tandem	208	50	200	1.8	1.29	100	2.25	15	IP21
3	1 x Single, 1 x Tandem	208	50	377	3.3	2.58	50	4.13	15	IP21
4	2 x Tandem	208	50	412	3.5	2.58	50	4.38	15	IP21







Venkon XL, electromechanical version (240 V)

Size	Number of fans	Rated voltage	Power frequency	Rated power	Rated current	Leakage current	Ri analog input	MCA	MOP	Protection class
	[Quantity]	[VAC]	[Hz]	[W]	[A]	[mA]	[kΩ]			
1	1 x Single	240	50	170	1.4	1.29	100	1.75	15	IP21
2	1 x Tandem	240	50	247	2.0	1.29	100	2.50	15	IP21
3	1 x Single, 1 x Tandem	240	50	414	3.1	2.58	50	3.88	15	IP21
4	2 x Tandem	240	50	489	3.7	2.58	50	4.68	15	IP21

Maximum electrical connection values Venkon XL EC, electromechanical version (240 V)


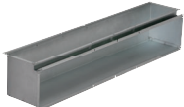
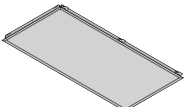
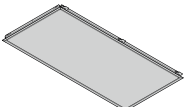
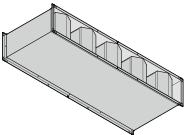


05 ▶ Ordering information

Accessories

Article	Article	Properties	Dimensions	Suitable for	Article no.
Perimeter Casings					
	Casing, wall-standing	durable wall casing made of powder-coated galvanised sheet steel, the filter can be changed or inspected without disassembly of the casing, Vertically suspended, powder coated, Colour RAL 9016 traffic-white, pre-fitted housing		Model size 1	34822W0BS100
				Model size 2	34822W0BS200
				Model size 3	34822W0BS300
				Model size 4	34822W0BS400
Filter					
	Filter	cassette filter as a replacement filter, ePM1 filter>50% (F7) / MERV 13, 1 set = 1 piece(s)	9.6 x 1.9 x 20.5	Model size 1	34829B0B0107
			9.6 x 1.9 x 32.3	Model size 2	34829B0B0207
		2 cassette filters as replacement filter set for Venkon XL units, ePM1 filter>50% (F7) / MERV 13, 1 set = 2 piece(s)	9.6 x 1.9 x 24.6	Model size 3	34829B0B0307
			9.6 x 1.9 x 31.5	Model size 4	34829B0B0407
		cassette filter as a replacement filter, ePM10 filter>50% (M5) / MERV 8, 1 set = 1 piece(s)	9.6 x 1.9 x 20.5	Model size 1	34829B0B0105
			9.6 x 1.9 x 32.3	Model size 2	34829B0B0205
		2 cassette filters as replacement filter set for Venkon XL units, ePM10 filter>50% (M5) / MERV 8, 1 set = 2 piece(s)	9.6 x 1.9 x 24.5	Model size 3	34829B0B0305
			9.6 x 1.9 x 31.4	Model size 4	34829B0B0405
Condensate tray/pump					
	Connection kit for condensation pump	to drain condensate produced on the valves and in the unit, including condensate overflow signalling, 115 V240 V AC, 50 - 60 Hz, 8 W, factory-fitted and wired		all sizes	34826B0B00K
	Valve condensate tray, for ceiling mounting	to collect any condensate produced on the valves, powder coated, Colour RAL 7024 graphite grey, factory-fitted to the basic unit		Model size 1 - 4	34824D0B000
	valve condensate tray, wall-mounted	to collect any condensate produced on the valves, powder coated, Colour RAL 7024 graphite grey, factory-fitted to the basic unit		Model size 1 - 4	34824W0B000
Accessories for recirculation air basic unit, air-side					
	Flexible connection	with frame on both sides, including canvas for structure-borne noise decoupling and length compensation of on-site dimensional inaccuracies		Model size 1	34825B0B0104
				Model size 2	34825B0B0204
				Model size 3	34825B0B0304
				Model size 4	34825B0B0404

CONTINUED ▶

Accessories

Article	Article	Properties	Dimensions	Suitable for	Article no.
	Flexible pipe connection unit	for the connection of round pipes to the air intake and/or air outlet of the unit. Available in various sizes.		Model size 1, Number of connecting pieces 2 St., DN 200	34825B0B0105
				Model size 2, Number of connecting pieces 3 St., DN 200	34825B0B0205
				Model size 3, Number of connecting pieces 4 St., DN 200	34825B0B0305
				Model size 4, Number of connecting pieces 5 St., DN 200	34825B0B0405
	Air duct, 90° angled	To change the air flow in the air duct at right angles.		Model size 1	34825B0B0103
				Model size 2	34825B0B0203
				Model size 3	34825B0B0303
				Model size 4	34825B0B0403
	surcharge per spigot for flexible pipe connection plenum box	surcharge per spigot (size 100 mm, 125 mm, 150 mm, 180 mm or 200 mm) for the flexible pipe connection plenum box with the Venkon XL		all sizes	34825B0B0005
	Service hatch with frame	Unit for subsequent maintenance in suspended ceilings, suitable for plasterboard or concrete slab ceilings, Circumferential frame: 25 mm, Colour RAL 9016 traffic-white, supplied separately		Model size 1	34825B0B0110
				Model size 2	34825B0B0210
				Model size 3	34825B0B0310
				Model size 4	34825B0B0410
	Sound attenuator	Splitter noise attenuator, Wall- or ceiling-mounted, supplied separately		Model size 1	34825B0B0106
				Model size 2	34825B0B0206
				Model size 3	34825B0B0306
				Model size 4	34825B0B0406
	Transition panel	for air intake to connect to the Venkon's air-side accessories		Model size 1	34827B0B0106
				Model size 2	34827B0B0206
				Model size 3	34827B0B0306
				Model size 4	34827B0B0406
	transition angle	for air outlet to connect to the Venkon's air-side accessories		Model size 1	34827B0B0107
				Model size 2	34827B0B0207
				Model size 3	34827B0B0307
				Model size 4	34827B0B0407

<https://www.kampmann.us/hvac/products/fan-coils/venkon-xl>

