

A modern interior space featuring a wide, rustic wooden staircase with a metal mesh railing. The space has a high ceiling with exposed ductwork and a large concrete pillar. In the background, there's a balcony with a glass railing and a large window looking out onto a green area. The floor is made of large, light-colored tiles.

Genau
mein
Klima.

KAMPMANN

Product Overview

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Our product groups at a
glance.
Everything is under
control with Kampmann.

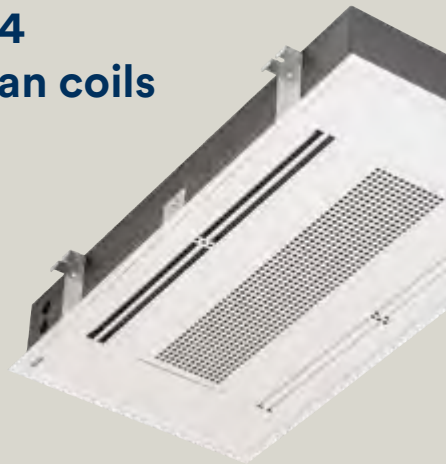
04
Trench technology



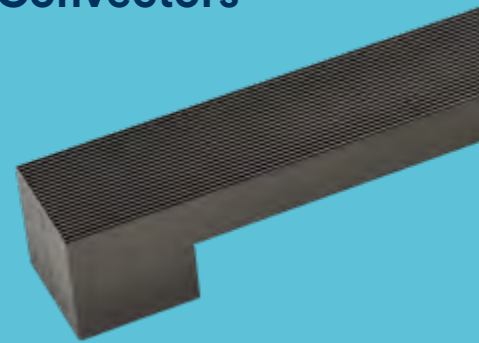
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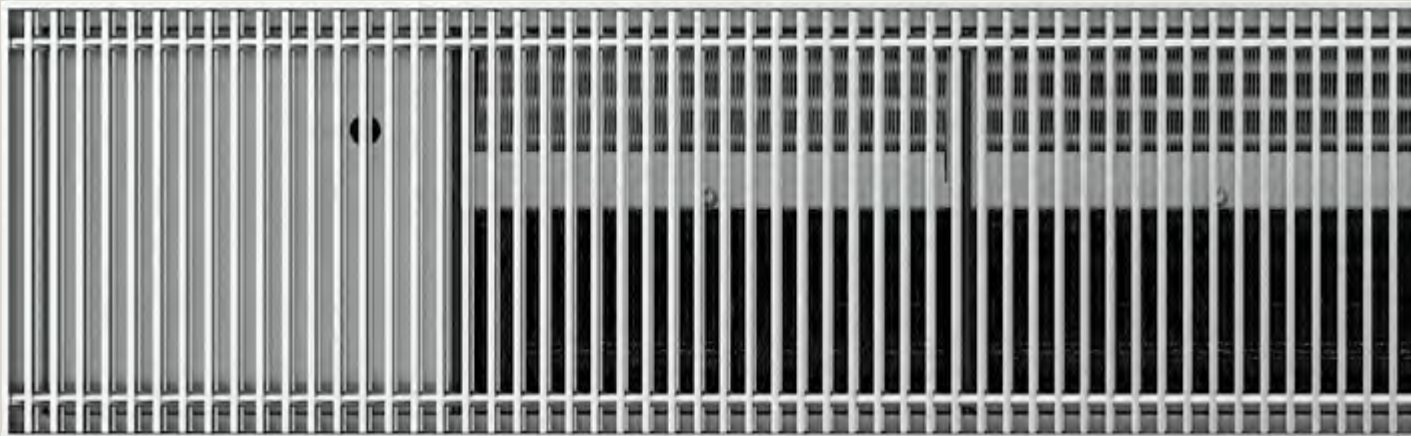
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Sustainability



Trench technology

The trend for large glazed façades and floor-to-ceiling windows continues unabated. Trench technology is the right choice for comfortable air conditioning that does not impede the view outside and effectively screens cold air.

- + large range from simple natural convection models to high-end units that provide heating, cooling and ventilation
- + low-temperature systems with ECM fan assistance
- + fast-responsive heating and cooling with optimised air flow for comfortable air conditioning
- + future-proof cooling systems created in conjunction with chillers and heat-pumps that use minimal refrigerant
- + primary air supply with models for displacement ventilation, with supply air modules for mixed ventilation or as induction units
- + end-to-end project support from the initial idea, site measurement, unit design to site delivery



10,941 Katherm versions: technology leader, thanks to infinite possibilities.

How did we become one of the market leaders in trench technology? It is due to our **wide range of standard versions and also our willingness to deviate from them.** This provides our partners with the perfect combination of tried-and-test design and custom project solutions. Resulting in success for everyone. For you too?

Modular system

Individual **connecting modules between the Kampmann trench systems** create an overall aesthetic look without disruptive interruptions. Don't let architectural challenges hold you back.



Materials and colours



Oak *



Merbau *



Beech *



Maple *

* Lacquered or oiled. Wooden grilles cannot be used for Katherm QE, QK nano, QL and ID units.



Aluminium natural anodised



Aluminium painted DB703 basalt grey



Aluminium bronze anodised



Aluminium black anodised



Aluminium bronze finish



Stainless steel polished



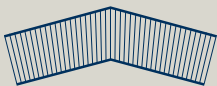
Stainless steel natural



Brass natural

Opt for aluminium grilles in a range of different anodised finishes. Or for different finishes of wooden grilles. Or maybe even polished stainless steel grilles?

Diverse shapes



Adaptations and special designs are normal in projects. Katherm trench heaters can therefore be supplied for all geometries, **incorporating mitred corners, curved sections, column cut-outs or angles.**



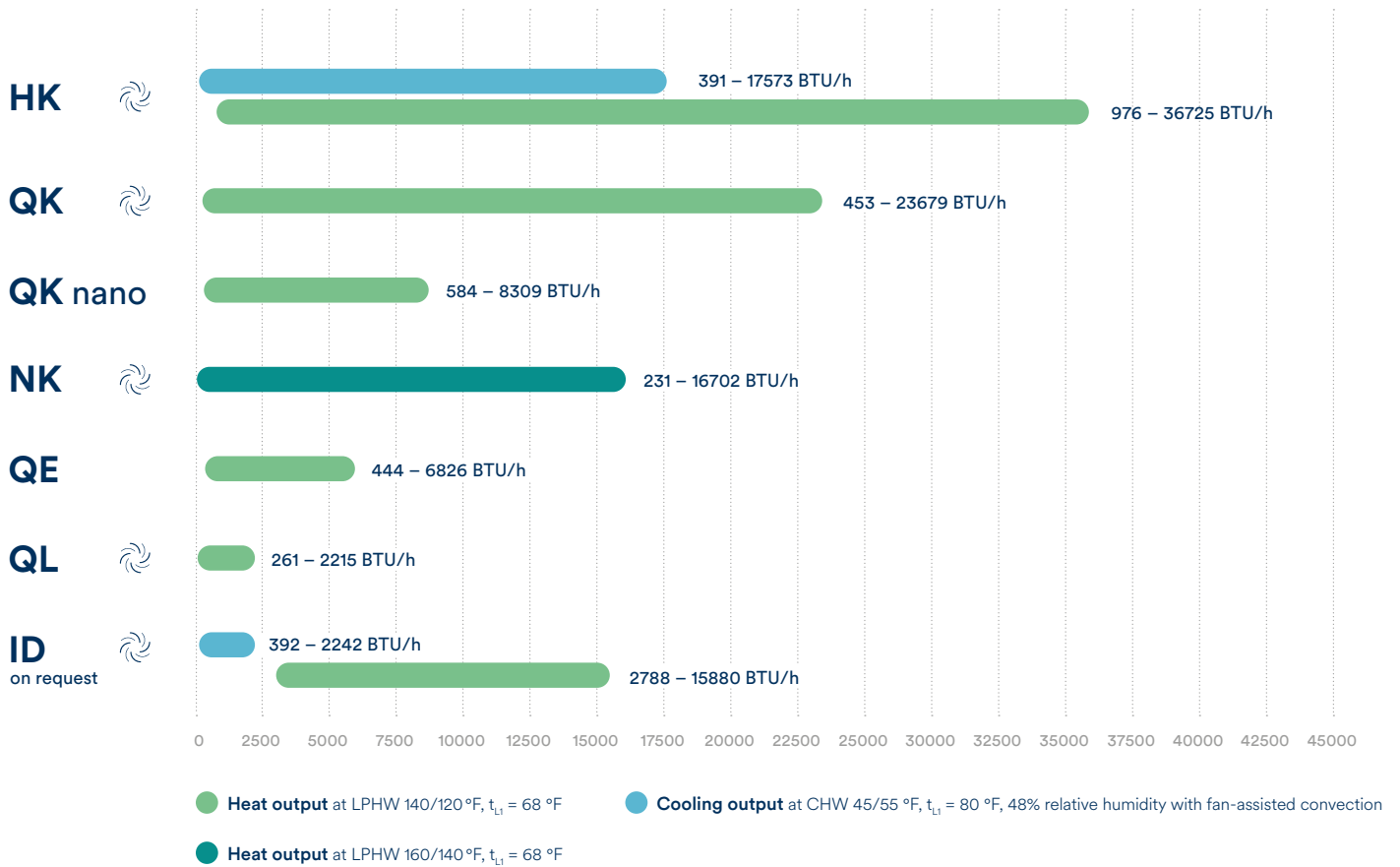
Low temperature

Trench technology has traditionally been used under floor-to-ceiling glazing. **High-quality convectors and fan assistance have advanced them into the low-temperature era.** They are also very efficient thanks to ECM tangential fans.








Our trench technology at a glance

		Heating 	Supply air 	Cooling 	Heat Pump ready 	Water-based coil	ECM tangential fan	Electric heating coil
	Katherm HK > simple to clean > heat outputs tested independently > ECM fan - efficient in terms of noise and energy	✓	✓	✓	✓	✓	✓	✗
	Katherm QK > whisper-quiet ECM technology > optimised for low water temperature > shallow unit depths combined with high outputs	✓	✓	✗	✓	✓	✓	✗
	Katherm QK nano > extremely low overall height > usual quietness and high performance > FineLine grille	✓	✗	✗	✓	✓	✓	✗
	Katherm NK > compact, performance-optimised > natural convection > shallow unit depths combined with high outputs	✓	✓	✗	✗	✓	✗	✗
	Katherm QE > fast heating-up of the room > high heat output combined with low sound levels > minimum trench width and trench height for unobtrusive integration within a room	✓	✗	✗	✗	✗	✓	✓
	Katherm QL > evenly supplies rooms with conditioned fresh air and heat > low-turbulence room ventilation for a pleasant indoor climate without draughts	✓	✓	✗	✗	✓	✗	✗
	Katherm ID > extremely quiet by means of flow-optimised nozzles > nozzles can be replaced in operation to adjust output > supply air with post-cooling/heating by induction	✓	✓	✓	✗	✓	✗	✗

Heat and cooling outputs



Always fits.

		Widths	Heights	Lengths
HK		9.4	5.1	36.0 47.2 66.9 78.7 98.4 118.1
		11.4	6.3	37.4 47.2 66.9 78.7 98.4 118.1
		12.6	6.3	36.0 47.2 66.9 78.7 98.4 118.1
QK		7.5 8.5	3.8	min. 30.7 max. 116.5
QK nano		6.1	2.8	min. 35.4 max. 106.3
NK		5.4	3.6 4.7	min. 31.5
		7.2 9.1 11.8 15.4	3.6 4.7 5.9 7.9	max. 196.9
QE		8.1	4.4	36.4 49.2 66.9
QL		11.8	5.9	27.6 47.2 66.9 86.6 106.3
		13.8	7.5	
ID		13.4	7.1 8.1	35.4 39.4 47.2 55.1 63.0

Dimensions in inch. Custom lengths also available



Your extended workbench

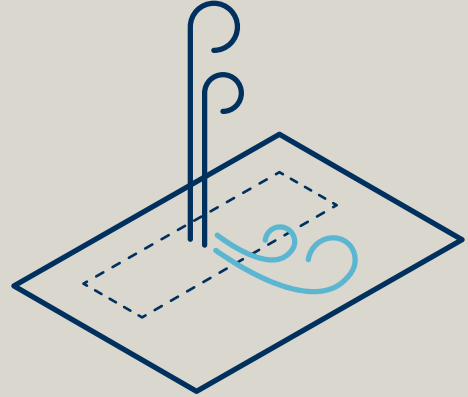
Our project department will work tirelessly for you.

When using trench technology, you also want to make the most of all the benefits of these systems. This can be a complex matter but is worth doing. All the more so as our project department is there for you. That way we'll get the most out of the units. **Often this means using a range of different Katherm models to provide different functions.** Let us design a system for your project, incorporating modules with mitred corners, cut-outs for facade components or columns.

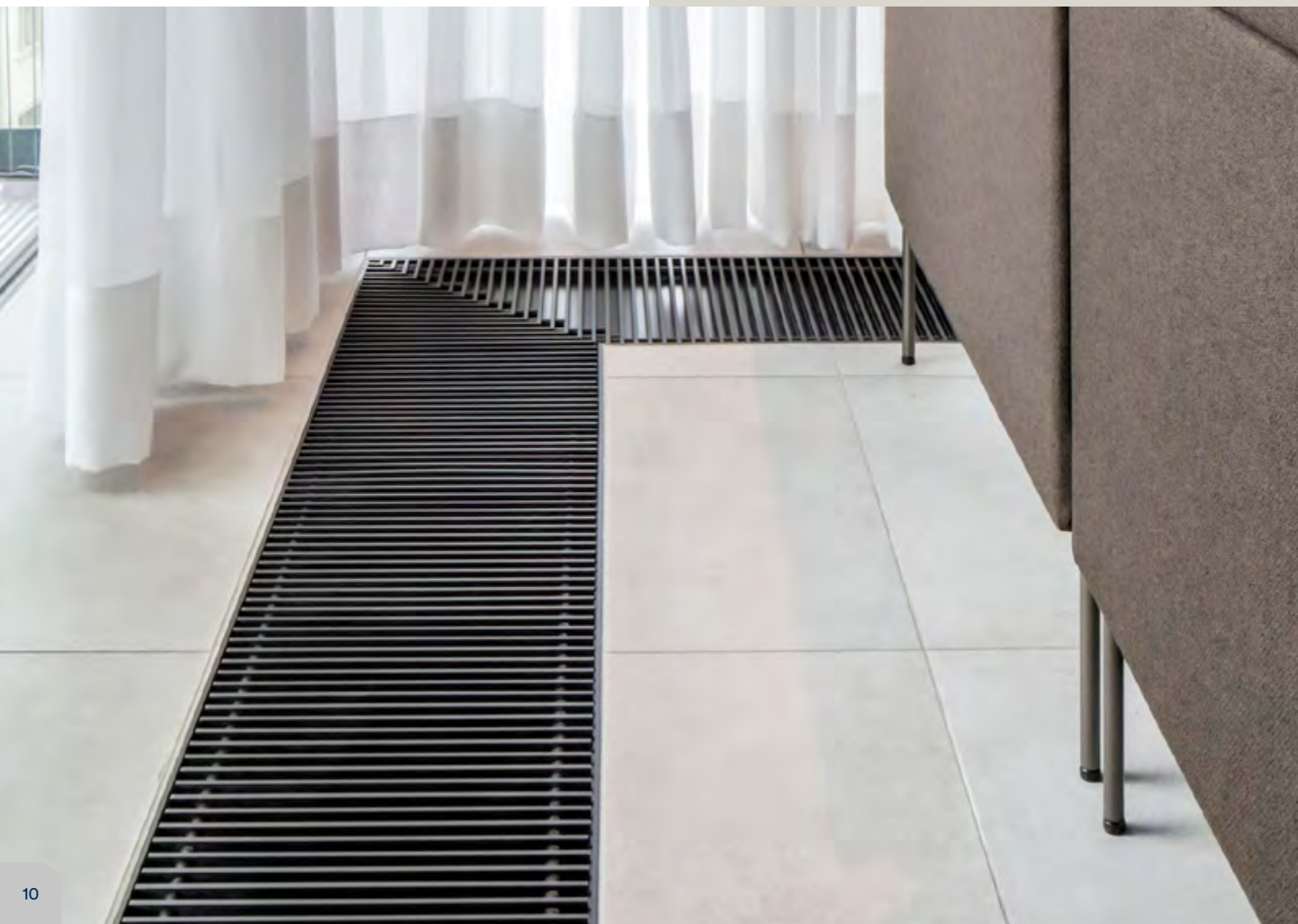
We'll also perfectly manage the logistics to get the systems to site and on site. The precise planned position of each unit is clearly printed on all packages. And it goes without saying that we also pack all units floor by floor. All cleverly worked out to let you concentrate on your job.

From a reliable source

Katherm QL



Two air flows emanate from this source. **Heated air rises up the glazed façade; fresh displacement air then enters the room at a low pulse to ensure complete comfort in the room.**





Hygienic

Katherm HK



It's unique! **Katherm HK** is one of the few trench technologies on the market to include a **well-thought-out cleaning concept**. The Katherm HK is hygienically flawless, thanks to its improved condensate discharge in cooling mode, coupled with the ease of cleaning of the condensate tray.

BIM data

Use the BIM data sets for Kampmann Katherm trench technology for seamless planning processes. They include **all unit dimensions, technical water and electrical connection dimensions and performance data**.

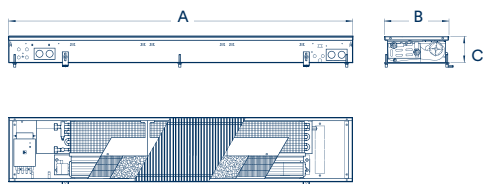
Site measurement

The **site measurements** are taken by our own **Kampmann technicians using 2D or 3D lasers** to avoid inaccuracies. This ensures a precise and efficient site measurement process. The dimensions will then be automatically handed over to our project department.

It's your choice

Katherm HK

Fan-assisted hydronic heating/cooling



Width B	Height C	Length A	2-pipe		4-pipe	
			Heat output LPHW ¹⁾	Cooling output ²⁾	Heat output LPHW ¹⁾	Cooling output ²⁾
[in]	[in]	[in]	[BTU/h]	[BTU/h]	[BTU/h]	[BTU/h]
12,6	5,1	36	1905-4488	833-2852	976-2507	804-2770
12,6	5,1	47,2	2786-6894	1309-4133	1626-4178	1266-4017
12,6	5,1	66,9	3797-12087	1376-6081	2927-7521	1323-5847
12,6	5,1	78,7	4219-13430	1529-6757	3252-8357	1470-6497
12,6	5,1	98,4	5425-18780	1638-9019	4553-11700	2028-9096
12,6	5,1	118,1	7220-24169	2174-11883	5853-15042	2079-11390
9,6	6,3	36	1401-3474	391-1489	1016-2519	368-1402
9,6	6,3	47,2	2334-5790	652-2482	1693-4199	614-2337
9,6	6,3	66,9	4202-10423	1173-4467	3047-7558	1105-4207
9,6	6,3	78,7	4669-11581	1303-4964	3385-8398	1228-4675
9,6	6,3	98,4	6536-16213	1825-6949	4740-11757	1719-6545
9,6	6,3	118,1	8403-20845	2346-8934	6094-15116	2210-8415
11,4	6,3	37,4	2445-7693	789-7693	1186-3832	773-3061
11,4	6,3	47,2	3704-11350	1148-5065	1966-6353	1131-4965
11,4	6,3	66,9	3824-16974	1368-8105	3151-10184	1340-7943
11,4	6,3	78,7	4960-22015	1774-10512	4087-13209	1738-10302
11,4	6,3	98,4	5254-28168	2066-13561	5273-17041	2243-13290
11,4	6,3	118,1	7097-36725	2782-17573	6833-22083	2719-17222

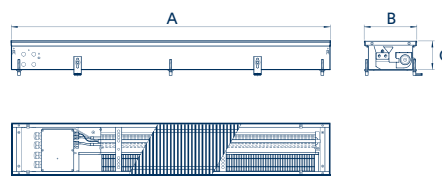
¹⁾ at LPHW 140/120 °F, t_{L1} = 68 °F, with fan-assisted convection

²⁾ at CHW 45/55 °F, t_{L1} = 80 °F, 48% relative humidity with fan-assisted convection

Katherm QE

Fan-assisted electric heating

Width B	Height C	Length A	Max. heat output
[in]	[in]	[in]	[BTU/h]
8.1	4.4	32.5	444-2253
8.1	4.4	49.2	887-4437
8.1	4.4	66.9	1365-6826

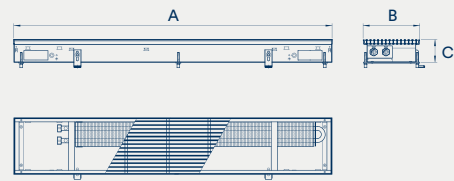


Katherm NK

Natural convection hydronic heating

Width B	Height C	Length A	Heat output ¹⁾
[in]	[in]	[in]	[BTU/h]
5.4	3.6	31.5-196.6	231-2884
5.4	4.7	31.5-196.6	244-3056
7.2	3.6	31.5-196.6	396-3894
7.2	4.7	31.5-196.6	486-4780
7.2	5.9	31.5-196.6	613-5517
7.2	7.9	31.5-196.6	685-6168
9.1	3.6	31.5-196.6	469-4576
9.1	4.7	31.5-196.6	577-5626
9.1	5.9	31.5-196.6	920-8277
9.1	7.9	31.5-196.6	998-8984
11.8	3.6	31.5-196.6	627-6116
11.8	4.7	31.5-196.6	804-7840
11.8	5.9	31.5-196.6	1176-10580
11.8	7.9	31.5-196.6	1325-11925
15	3.6	31.5-196.6	841-8200
15	4.7	31.5-196.6	1036-10102
15	5.9	31.5-196.6	1449-13045
15	7.9	31.5-196.6	1856-16702

¹⁾ at LPHW 160/140 °F, t_{Li} = 68 °F

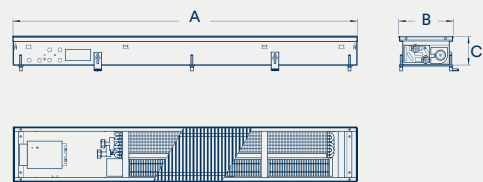


Katherm QK

Fan-assisted hydronic heating

Width B	Height C	Length A	Heat output ¹⁾
[in]	[in]	[in]	[BTU/h]
7.5	3.8	30.7-116.5	453-20663
8.5	3.8	30.7-116.6	543-23679

¹⁾ at LPHW 140/120 °F, t_{Li} = 68 °F, with a 0.47 inch grille spacing, free-area approx. 70%

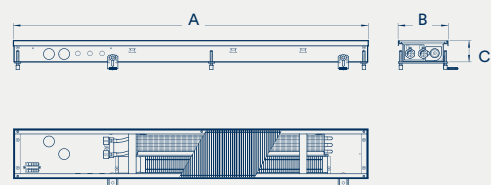


Katherm QK nano

Fan-assisted hydronic heating

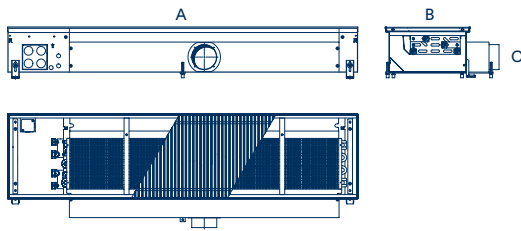
Width B	Height C	Length A	Heat output ¹⁾
(in)	(in)	(in)	[BTU/h]
6.5	2.8	35.4	584-1821
6.5	2.8	55.1	1169-3642
6.5	2.8	70.9	1753-5462
6.5	2.8	82.7	2203-6865
6.5	2.8	102.4	2666-8309

¹⁾ at LPHW 140/120 °F, t_{Li} = 68 °F



Katherm ID

Heating and cooling with induction and fresh air



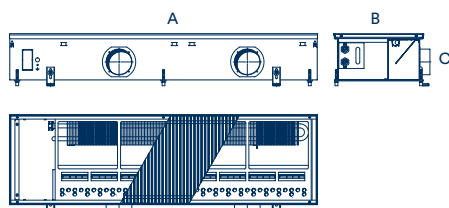
Width	Height	Length	2-pipe				4-pipe	
B	C	A	Primary air volume	Heat output ¹⁾	Cooling output ²⁾	Heat output ¹⁾	Cooling output ²⁾	
[in]	[in]	[in]		[BTU/h]	[BTU/h]	[BTU/h]	[BTU/h]	
13.4	7.1	31.5	low	3378	392	2788	392	
13.4	7.1	39.4	low	5528	669	4368	669	
13.4	7.1	47.2	low	6691	795	5391	795	
13.4	7.1	55.1	low	8837	1071	6968	1071	
13.4	7.1	63	low	10001	1198	7995	1198	
13.4	7.1	31.5	medium	4709	601	3515	601	
13.4	7.1	39.4	medium	6599	839	4944	839	
13.4	7.1	47.2	medium	8489	1078	6370	1078	
13.4	7.1	55.1	medium	10380	1317	7797	1317	
13.4	7.1	63	medium	12270	1553	9226	1553	
13.4	7.1	31.5	high	5221	686	3777	686	
13.4	7.1	39.4	high	7449	979	5381	979	
13.4	7.1	47.2	high	9677	1273	6981	1273	
13.4	7.1	55.1	high	11253	1457	8251	1457	
13.4	7.1	63	high	13481	1750	9854	1750	
13.4	7.1	31.5	very high	5746	775	4040	775	
13.4	7.1	39.4	very high	7551	996	5432	996	
13.4	7.1	47.2	very high	9861	1303	7073	1303	
13.4	7.1	55.1	very high	12171	1611	8715	1611	
13.4	7.1	63	very high	14481	1918	10359	1918	
13.4	8.1	31.5	low	3648	461	2788	461	
13.4	8.1	39.4	low	5999	788	4368	781	
13.4	8.1	47.2	low	7244	935	5391	928	
13.4	8.1	55.1	low	9592	1262	6968	1252	
13.4	8.1	63	low	10837	1409	7995	1399	
13.4	8.1	31.5	medium	5142	713	3515	703	
13.4	8.1	39.4	medium	7203	993	4944	979	
13.4	8.1	47.2	medium	9264	1276	6370	1259	
13.4	8.1	55.1	medium	11325	1559	7797	1539	
13.4	8.1	63	medium	13386	1843	9226	1815	
13.4	8.1	31.5	high	5715	812	3777	798	
13.4	8.1	39.4	high	8162	1164	5381	1143	
13.4	8.1	47.2	high	10605	1515	6981	1488	
13.4	8.1	55.1	high	12308	1733	8251	1703	
13.4	8.1	63	high	14754	2081	9854	2047	
13.4	8.1	31.5	very high	6312	921	4040	904	
13.4	8.1	39.4	very high	8274	1184	5432	1164	
13.4	8.1	47.2	very high	10810	1553	7073	1522	
13.4	8.1	55.1	very high	13345	1918	8715	1884	
13.4	8.1	63	very high	15880	2286	10359	2242	

¹⁾ at LPHW 140/120 °F, t_{LI} = 68 °F

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

Katherm QL

Natural convection hydronic heating with displacement ventilation



Width B	Height C	Length A	Heat output without primary air flow ¹⁾	Heat output with primary air flow ¹⁾
(in)	(in)	(in)	[BTU/h]	[BTU/h]
11.8	5.9	27.6	261	0
11.8	5.9	47.2	588	497
11.8	5.9	66.9	915	824
11.8	5.9	86.6	1242	1151
11.8	5.9	106.3	1568	1478
11.8	7.1	27.6	310	0
11.8	7.1	47.2	698	608
11.8	7.1	66.9	1086	996
11.8	7.1	86.6	1474	1383
11.8	7.1	106.3	1862	1771
13.8	5.9	27.6	305	0
13.8	5.9	47.2	687	596
13.8	5.9	66.9	1068	977
13.8	5.9	86.6	1449	1359
13.8	5.9	106.3	1831	1740
13.8	7.1	27.6	369	0
13.8	7.1	47.2	831	740
13.8	7.1	66.9	1292	1202
13.8	7.1	86.6	1754	1663
13.8	7.1	106.3	2215	2125

¹⁾ at LPHW 140/120 °F, $t_{r1} = 68$ °F

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Calculate your product online.



Unit heaters

Suitable for use as wall- or ceiling-mounted units for heating, cooling or ventilation in high-ceilinged buildings, industrial buildings, showrooms etc. – as recirculating air, mixed air or primary air units.

- + proven classics, always up to date. Kampmann unit heaters set the standard and are continuously being further developed
- + future-proof ECM technology for energy-efficient and compliant operation
- + from industrial uses to occupied zones. Sturdy steel housings to design units
- + on-board control: ECM technology includes 0-10V control electronics for simple and convenient control
- + heating and cooling with one unit – whether in simple industrial applications or as a comfort system in retail stores and high-end large spaces
- + unit heaters as a component of hybrid ventilation systems: central ventilation, local temperature control



Our number one The TOP

Our unit heater with the simple name – “TOP” – has been at the forefront of the market for over 30 years. How do we do it? We don’t rest on our laurels! Simply the ongoing development of our Number One and all other unit heaters ensures that we always remain TOP in terms of output, energy efficiency, acoustics and control comfort. And our design and trade partners do too.

Gas-free: heat pumps for existing and new industrial sheds

Are you looking for an energy-efficient heating system for your industrial shed but without gas? Our solution: **low water temperature systems**.

Save costs at the same time lower CO₂ emissions compared to gas-fired systems by combining **unit heaters** with **heat pumps** to heat large spaces, industrial sheds and retail spaces.

Heat pumps supply the unit heaters with low-temperature low pressure hot water LPHW for maximum efficiency. The system also produces pleasant temperatures and a comfortable indoor environment without the risk of draughts in the occupied zone.

When the summer warmth arrives

TOP C



Introduce cool air into your hall on hot days with the TOP C. **When your client asks for hall heating, offer cooling as an option.** Up to now only supplied as a project solution, this heating and cooling all-rounder is set to become a standard product.

Minimal noise levels



We only notice how much high noise levels affect us when they are abruptly interrupted. **Our continuously variably controlled unit heaters generate less stress, as they only operate within the power range actually required.** Not one revolution too many or too few. Generating only the noise emissions that are absolutely necessary. At the same time using whisper-quiet sickle-blade fans.

It's lonely at the top

Our size 8 TOP unit heater really stands out, as it is unrivalled in terms of installation height. It copes with **ceiling heights of up to 65 ft** with our KaMax air outlet.

Industry

Our TOP is the unit of choice when you are faced with tough conditions. Ideal when you have to deal with oil in the air, thanks to its sturdy housing, extensive accessories and custom designs. And, with ECM technology, you can now simply design **convenient control systems with the simple and flexible 0-10V or 3-speed interfaces.**



Our unit heaters



Unit heaters for
factories and workshops



TOP

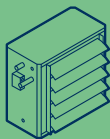
- > design-based range of equipment, "TOP" value for money
- > whisper-quiet sickle-blade fan with energy-efficient ECM technology complies with ErP requirements
- > heat exchanger and fan options for the most diverse applications



TOP C

- > heating or cooling in a 2-pipe system with one unit
- > whisper-quiet sickle-blade fan with energy-efficient ECM technology complies with ErP requirements
- > two capacity levels of copper/aluminium heat exchanger

Fits every time



TOP

Size 4 21.3 × 19.7 × 12.6 inch

Size 5 25.2 × 23.6 × 12.6 inch

Size 6 29.1 × 27.6 × 12.6 inch

Size 7 33.1 × 31.5 × 14.2 inch

Size 8 37 × 35.4 × 26.4 inch

TOP C

Size 4 23.6 × 22.6 × 22.4 inch

Size 5 27.6 × 26.6 × 22.4 inch

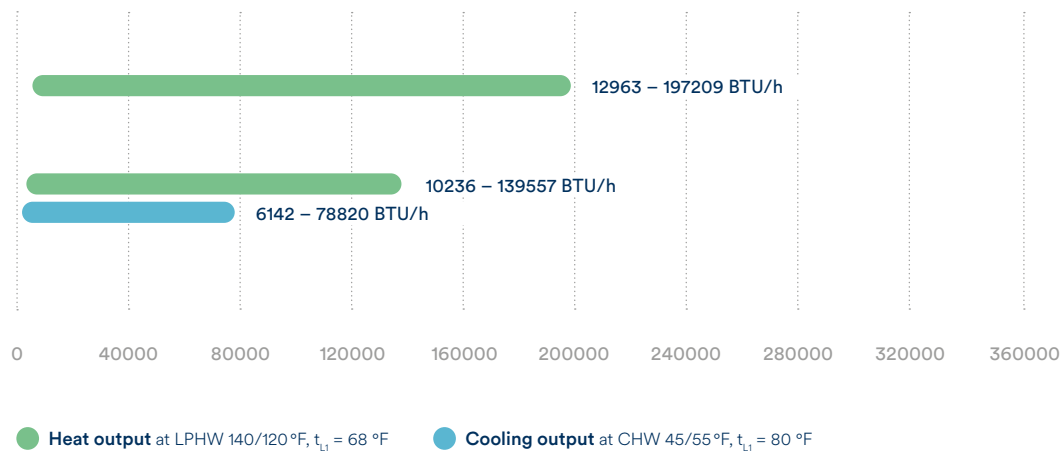
Size 6 31.5 × 34.4 × 22.4 inch

Size 7 35.4 × 34.4 × 22.4 inch

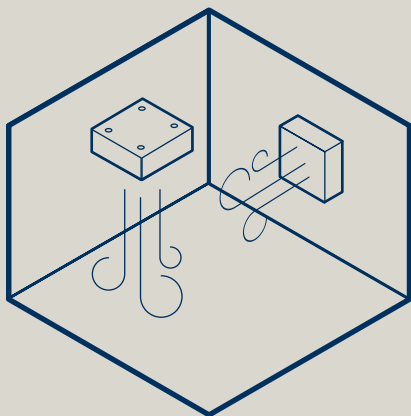
Heat and cooling outputs

TOP

TOP C



Installation options

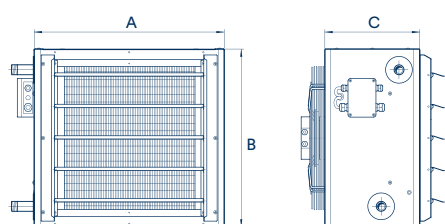


Wall-mounted	Ceiling-mounted
TOP	TOP
TOP C ❄	TOP C (horizontal discharge only) ❄



It's your choice

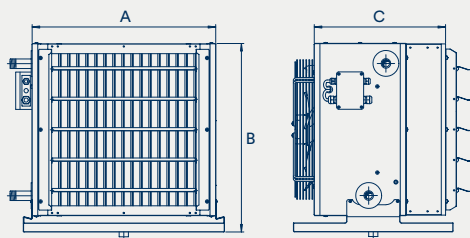
TOP



Copper-aluminium heat exchanger, high performance						
Version	Size	Width A	Height B	Depth C	Heat output ¹⁾	Air flow
		[in]	[in]	[in]	[BTU/h]	[cfm]
ECM fan, 208 V, 240 V, high speed	4	21.3	19.7	12.6	13738-39021	306 – 1601
	5	25.2	23.6	12.6	14340-82556	153 – 2860
	6	29.1	27.6	12.6	17006-106454	253 – 4061
	7	33.1	31.5	14.2	36243-156225	571 – 5697
	8	37	35.4	26.4	48648-197111	806 – 6945
ECM fan, 208 V, 240 V, low speed	4	21.3	19.7	12.6	13468-32264	265 – 1301
	5	25.2	23.6	12.6	17147-58837	283 – 1984
	7	33.1	31.5	14.2	24816-122222	347 – 4603
Galvanised steel heat exchanger, high performance						
ECM fan, 208 V, 240 V, high speed	4	21.3	19.7	12.6	13259-38299	324 – 1630
	5	25.2	23.6	12.6	15934-74933	377 – 2825
	6	29.1	27.6	12.6	16583-96127	465 – 3449
	7	33.1	31.5	14.2	33065-128654	695 – 5238
	8	37	35.4	26.4	50577-197209	1130 – 7198
ECM fan, 208 V, 240 V, low speed	4	21.3	19.7	12.6	12963-31477	283 – 1295
	5	25.2	23.6	12.6	18294-55517	500 – 2013
	7	840	800	360	23804-101912	536 – 4161

¹⁾ at LPHW 140/120 °F, t_{LI} = 68 °F

TOP C



medium, heat exchanger code no. 30						
Version	Size	Width A	Height B	Depth C	Heat output ¹⁾	Cooling output ²⁾
		[in]	[in]	[in]	[BTU/h]	[BTU/h]
ECM fan, 200 - 240 V, high speed	4	23.6	22.6	22.4	13990-26956	6824-13649
	5	27.6	26.6	22.4	13649-52206	7507-27638
	6	31.5	34.4	22.4	18767-75750	10236-41628
	7	35.4	34.4	22.4	33439-97587	19449-62101
ECM fan, 200 - 240 V, reduced speed	4	23.6	22.6	22.4	13307-23544	6142-11942
	5	27.6	26.6	22.4	16378-39240	8872-21155
	7	35.4	34.4	22.4	29344-79844	16719-50500
high, heat exchanger code no. 40						
ECM fan, 200 - 240 V, high speed	4	23.6	22.6	22.4	11601-33098	7165-16037
	5	27.6	26.6	22.4	10236-69949	7507-30027
	6	31.5	34.4	22.4	14331-93834	10919-49135
	7	35.4	34.4	22.4	27297-139557	20814-78820
ECM fan, 200 - 240 V, reduced speed	4	23.6	22.6	22.4	10578-27980	6824-13990
	5	27.6	26.6	22.4	13990-49817	8872-22520
	7	35.4	34.4	22.4	22861-107824	18426-62101

¹⁾ at LPHW 140/120 °F, $t_{LI} = 68$ °F

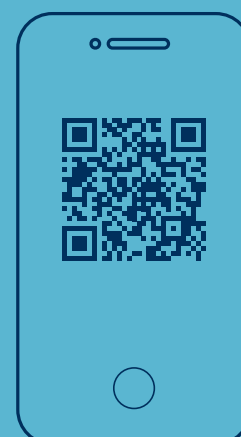
²⁾ at CHW 45/55 °F, $t_{LI} = 80$ °F, 48% relative humidity

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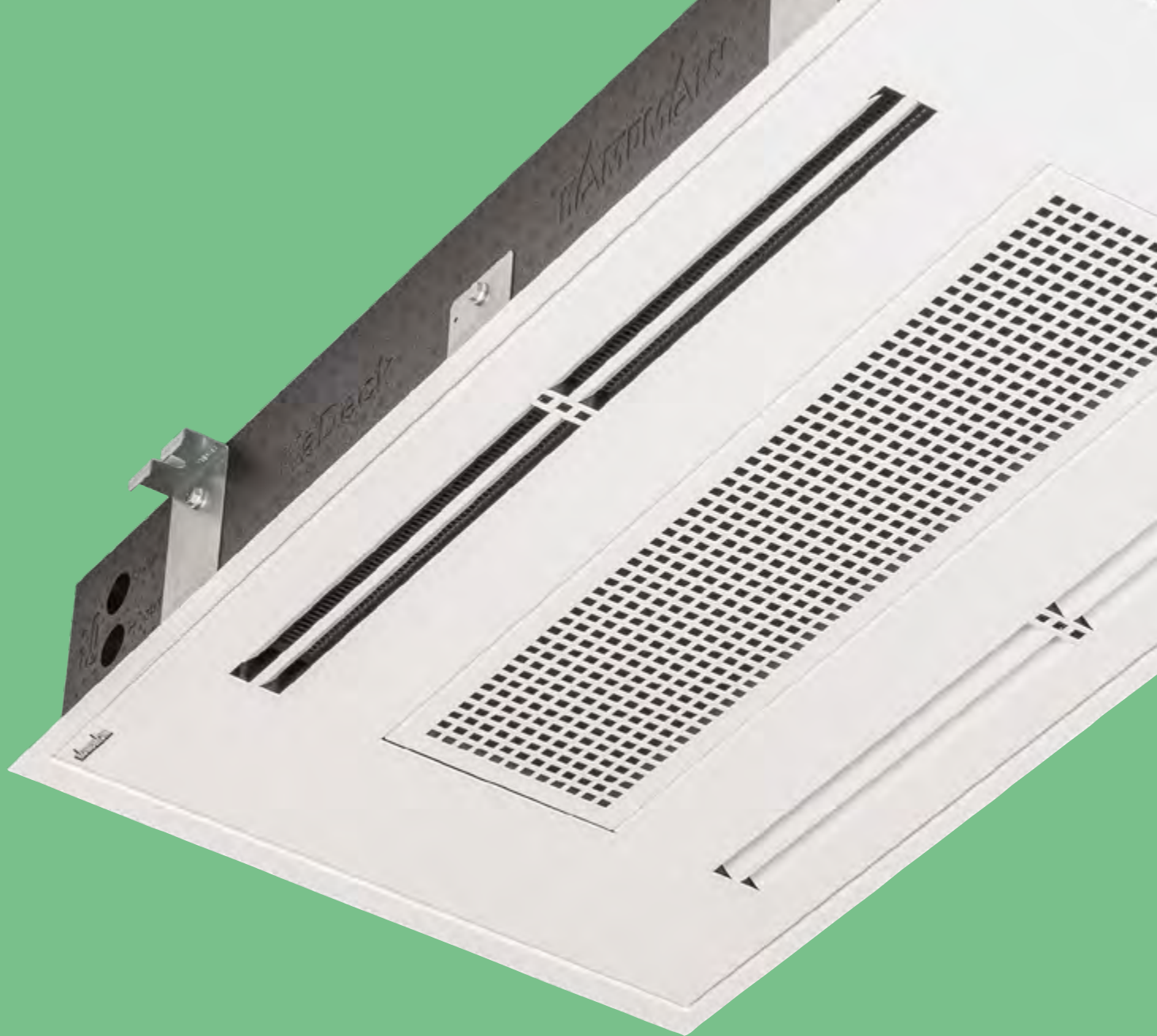
Fan coils

The cooling of buildings is becoming increasingly relevant.

The typical products employed here include fan coils, which, as water-based systems, are as current and useful as never before. No wonder with all their benefits and versatile uses.

Kampmann is at the forefront in different sectors.

- + cooling and heating in conjunction with heat pumps/chillers
- + no refrigerant circulating in the building and only small quantities used in the chiller
- + fast response times thanks to powerful and efficient ECM fans
- + for every requirement for installation in and under the ceiling, suspended on the wall or free-standing
- + in hybrid systems to supply primary air and control the temperature of the recirculating air
- + for air conditioning in addition to surface temperature control



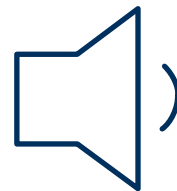
Calling all sensible people

Admittedly “sensible” does not come across as a catchy advertising message. But what if it’s the truth? Sensible designers use fan coils when users ask for a good indoor climate. That’s what fan coils provide. **In the middle of summer, as in winter, and in the shoulder months as well when other systems sometimes struggle. Water-based fan coil systems are also subject to minimal safety requirements and can be adapted to developments on the refrigerant market – so sensible after all?**



Market-leading in low-noise

Venkon



Venkon fan coils fulfil all expectations for a quiet environment, thanks to their energy-saving ECM technology. Peace and quiet so that you can focus on important matters. **Market-leading quiet and nonetheless outstanding outputs at higher fan speed ranges.**

Hygiene experts

Venkon provide compliant air conditioning with sealed surfaces, ideal cleaning options and MERV4, 8 & 13 filters for totally hygienic room air in offices or hotel bedrooms.

And, thanks to the motorised **H14 filter for Venkon units**, **HEPA filters** now form an integral part of sustainable air conditioning systems.

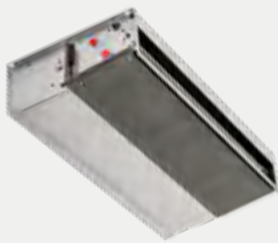


Our fan coils at a glance



Venkon

- > lowest profile ductable fancoil
- > several filter options including MERV4, 8 & 13
- > energy efficient ECM fans as standard



Venkon XL

- > XL performance guaranteed
- > for higher external pressure requirements
- > highly optimised, large heat exchanger
- > increased performance with 2-pipe & 4-pipe optimised heat exchanger
- > 2" filters as standard
- > low profile 10.2" design



KaDeck

- > ideal for shallow suspended ceiling heights, installation height of only 165 mm
- > all components (including valves) can be accessed without tools, no inspection openings needed on site
- > thermally and acoustically insulated housing made of EPP (expanded polypropylene)



Baseboard HK

- > extremely quiet
- > space-saving dimensions
- > heating and cooling for residential applications



Wall HK

- > slimline space-saving design
- > available as Recessed or Semi-recessed with cover panel or grilles in drywall or exposed
- > extremely quiet

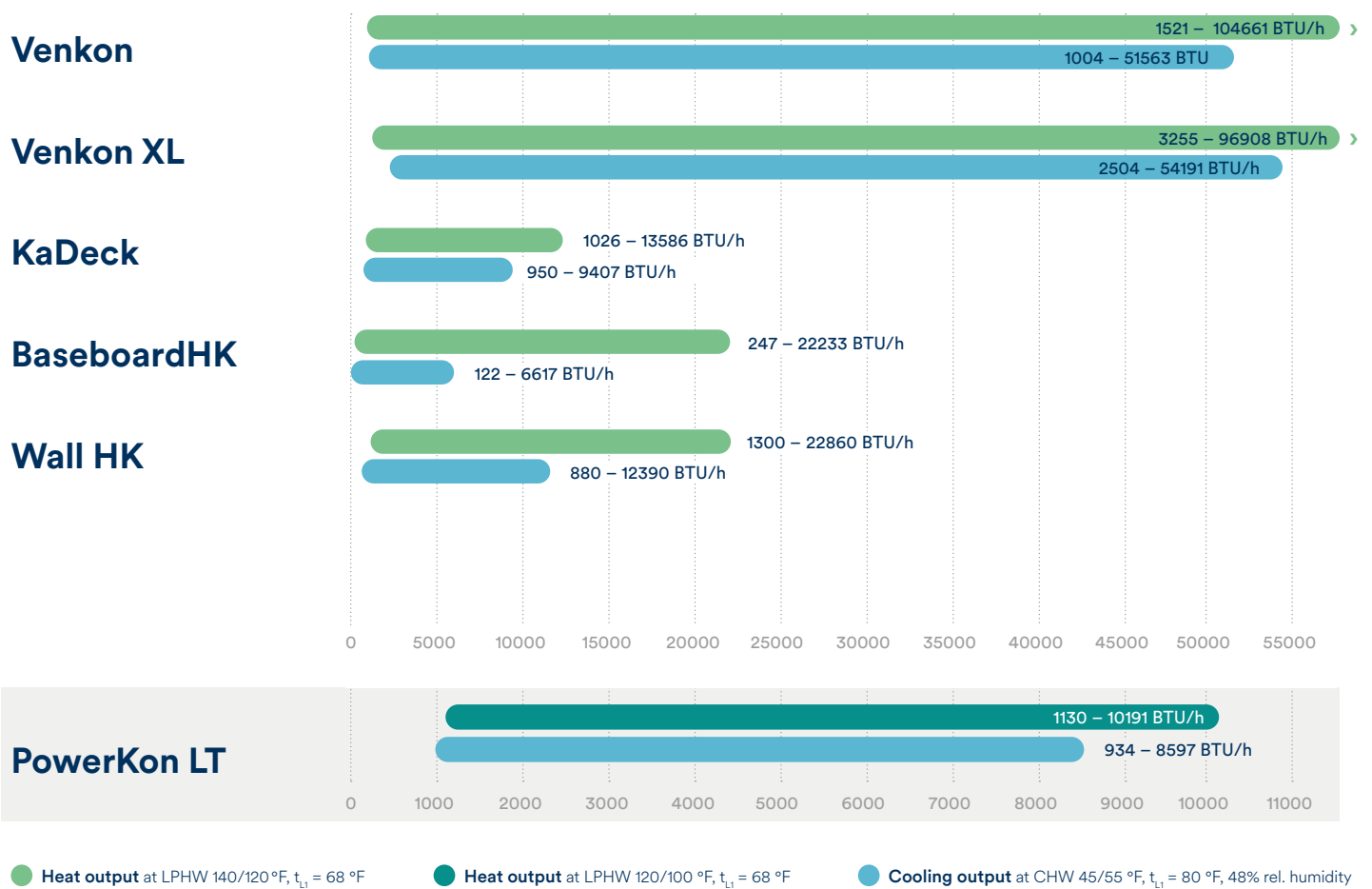


PowerKon LT

- > high heat outputs with low system temperatures
- > up to 25% improved efficiency with a heat pump compared to high-temperature systems
- > eligible for government funding with the installation of a heat pump



Heat and cooling outputs



Installation options

Floor-mounted

Venkon

Venkon XL

Baseboard HK

Wall-mounted

Venkon

Wall HK

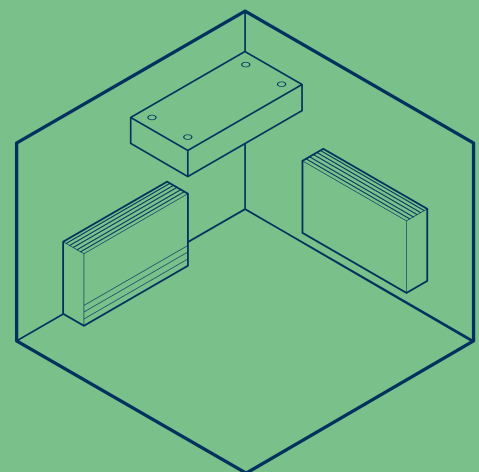
Baseboard HK

Ceiling-mounted

Venkon

Venkon XL

KaDeck





Create space

Venkon

Only Kampmann provides you with fan coils that blend into the room but do not dominate it. In **suspended ceilings or wall-recessed, hotel casings or sill-line casings**. Attractive, **free-standing casings** are of course also available.



Everything under control

KaDeck

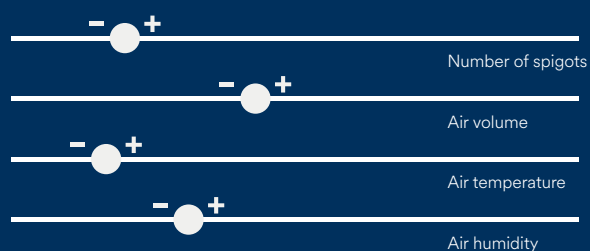
Extremely easy to install and maintenance-friendly:

the KaDeck can be simply opened by concealed locks, while the waterside and electric connection areas are arranged in such a way that no further inspection openings are required on site.

All components are easily accessible and maintenance could not be simpler. The KaDeck remains hygienically clean throughout its entire service life.



Primary air calculation



KaDeck introduces primary air into a space, with no additional supply air openings needed in the ceiling. **Conveniently calculate the primary air volume for your project on our website.** You'll find all you need to know there: primary air, heating and cooling outputs, as well as extensive technical data on sound levels and pipework in accordance with your selected control voltage. Then simply download your individual data sheet, bookmark the calculation or immediately send an enquiry about the product.



The low-temperature heat pump system

In almost all heating systems, the temperature of the heating water is crucial for their efficient operation. The exact temperature of this water depends on the combination of heat source and terminal unit selected. For instance, if a gas heating system is replaced by a heat pump the supply temperature can be lowered. Adding a heat pump-based heater enables ultra-low supply temperatures to simultaneously generate high outputs.

- + improved efficiency
- + energy requirement
- + lower heating costs
- + reduced greenhouse gas emissions



The heat pump-based heater for the home

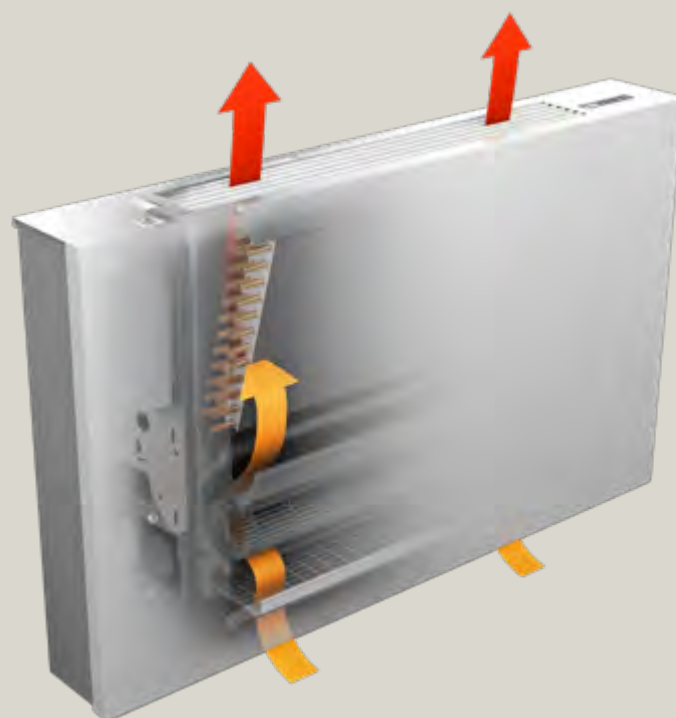
PowerKon LT

The myth that a heat pump in your own home only works with underfloor heating is long out of date. Fan-assisted heaters, also known as heat pump-based heaters or low-temperature heaters, represent a convenient solution for use in the home.

PowerKon LT units are ideal for use in new buildings to fully benefit from the cooling function of the heat pump. However, they are also very popular, especially in existing homes.

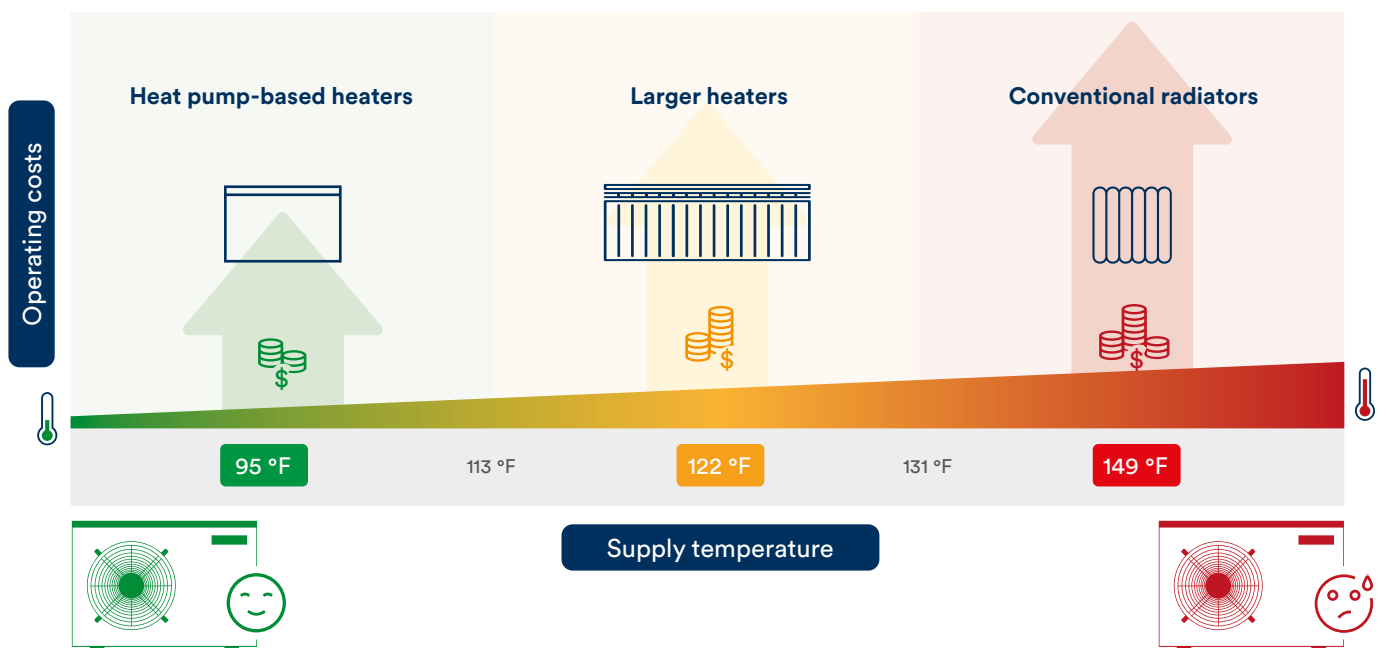
The PowerKon LT makes it easy to switch from an oil or gas heating system to a heat pump.

And they can even have a cooling function, depending on the pipework and individual comfort requirements.





Benefits of heat pump-based heaters



PowerKon LT units fully exploit the benefits of heat pumps: low supply temperatures of 95 °F. Admittedly, heat pumps are frequently capable of delivering higher temperatures, but this is inefficient! A 95 °F low temperature system with a PowerKon LT works around 25 – 35% more efficiently than a high-temperature system operating at 131 °F.

Heating and air conditioning units for heat pumps

Regardless of why you are interested in heat pump solutions, whether to reduce your operating costs or for reasons of sustainability, they contribute to our target of decarbonising our energy supply.



Let us present one of the widest product ranges of units suitable for use with heat pumps – “Heat Pump ready” as it were. Choose our products that carry this label for your future-proofed heating and cooling system.

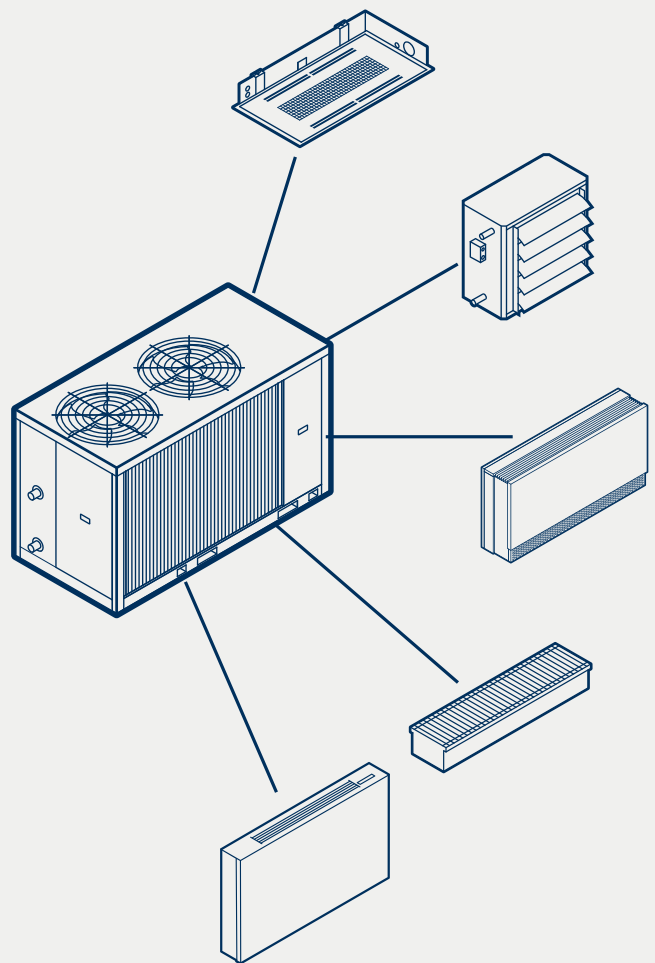


The heat pump system

The basic idea is not new:

a heat source supplies warm water to terminal units, which then use the warm water to control the temperature in the rooms. In the past, we had gas-fired boilers (heat generators), today we have heat pumps.

Today's room units are fan-assisted convectors, where we previously used radiators. Fan-assisted units rapidly achieve 3-4 times the output of conventional radiators particularly when operated with low system temperatures.



Cooling with heat pumps

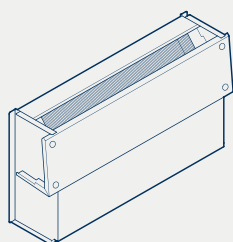
Almost as an after-thought, you also benefit from a heat pump's cooling function. Many heat pumps already incorporate this functionality. You can therefore supply the appropriate room units with hot water, but also with chilled water, which you can use to cool your building. There may be a need for further insulation of the pipes and the removal of condensate water depending on the cooling output you require.

So why not consciously design in a cooling function from the get-go.

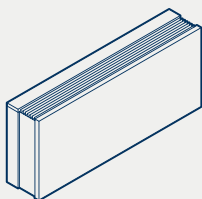
It's your choice

Diverse shapes and options

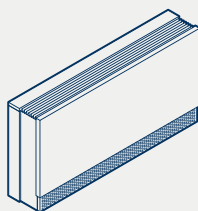
Venkon models



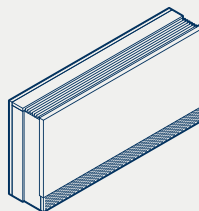
Concealed for ducting
Wall



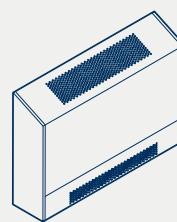
Wall-hanging
Intake on the underside



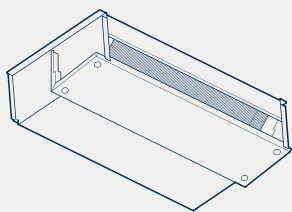
Wall-mounted
Front intake



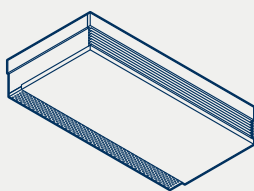
Free-standing
Front intake, with rear panel



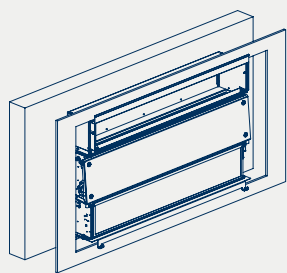
Wall-mounted
School unit



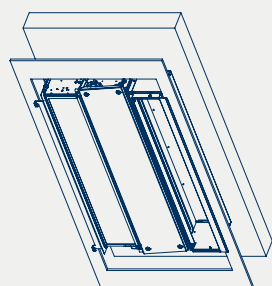
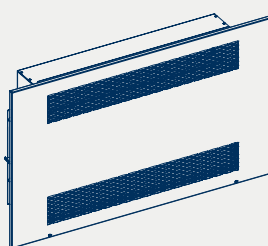
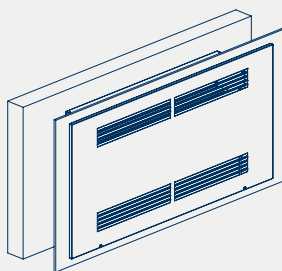
Concealed for ducting
Ceiling



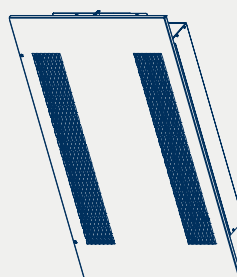
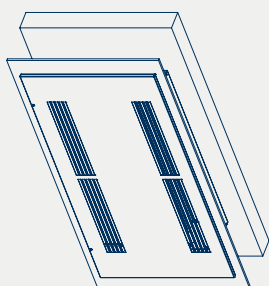
Ceiling
Intake on the underside



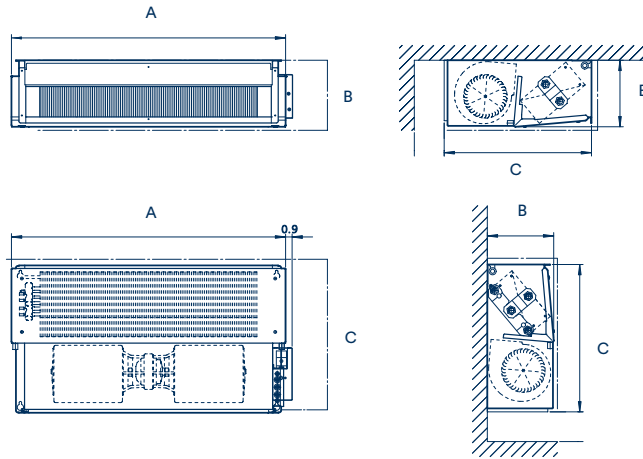
Recessed casing wall



Recessed casing ceiling



Venkon



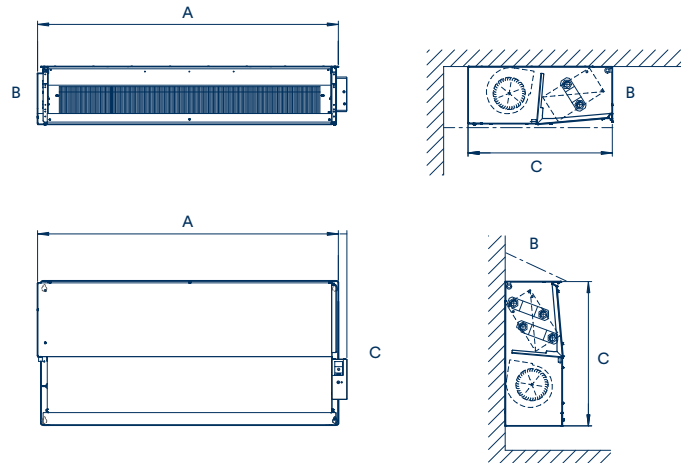
Filter class	Size	A	B	C	Air volume flow	2-pipe		4-pipe	
						Heat output ¹⁾	Cooling output ²⁾	Heat output ¹⁾	Cooling output ²⁾
		[in]	[in]	[in]	[cfm]	[BTU/h]	[BTU/h]	[BTU/h]	[BTU/h]
ISO Coarse filter	61	25.4	8.7	19.4	91 – 454	5754-26304	3174-14447	4162-14440	3124-14176
	63	37.2	8.7	19.4	196 – 866	12450-50396	6495-25930	7816-24240	6137-24136
	66	54.9	8.7	19.4	289 – 1324	18097-75306	10108-42507	10411-34625	8612-34370
	67	68.7	8.7	19.4	394 – 1732	25797-104661	14297-58807	15334-47236	12972-51563
Filter ePM10>50% (MERV8)	61	25.4	8.7	19.4	52 – 398	3438-23228	1879-12759	2613-13106	1860-12525
	63	37.2	8.7	19.4	115 – 741	7581-43554	3963-22445	5023-21682	3765-20928
	66	54.9	8.7	19.4	160 – 1116	10495-64206	5793-36209	6429-30610	5074-29443
	67	68.7	8.7	19.4	229 – 1474	15561-89905	8534-50449	9826-42100	7851-44409
Filter ePM1>50% (MERV13)	61	25.4	8.7	19.4	27 – 328	1884-19364	1004-10640	1531-11367	1006-10453
	63	37.2	8.7	19.4	59 – 600	4159-35734	2161-18455	2976-18616	2086-17248
	66	54.9	8.7	19.4	84 – 889	5872-51928	3168-29250	3967-25890	2862-23961
	67	68.7	8.7	19.4	120 – 1187	8583-73338	4614-41074	5914-36029	4356-36350

Nominal voltage 120V, also available in 208V

¹⁾ at LPHW 140/120 °F, $t_{LI} = 68$ °F

²⁾ at CHW 45/55 °F, $t_{LI} = 80$ °F, 48% rel. humidity

Venkon XL



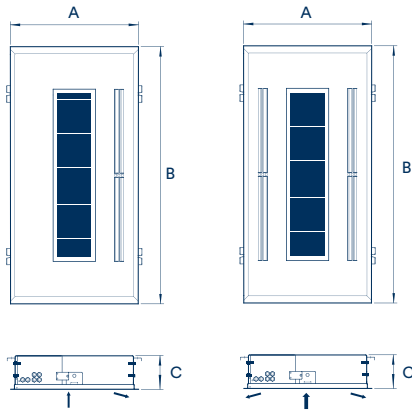
Filter class	Size	A	B	C	Air volume flow	2-pipe		4-pipe	
						Heat output ¹⁾	Cooling output ²⁾	Heat output ¹⁾	Cooling output ²⁾
		[in]	[in]	[in]	[cfm]	[BTU/h]	[BTU/h]	[BTU/h]	[BTU/h]
Filter ePM10>50% (MERV8)	1	24.8	10.3	25.6	173 – 538	6171-25948	3867-14349	4560-16998	3563-12545
	2	36.6	10.3	25.6	201 – 928	13313-47868	8234-26547	10931-37116	7650-23311
	3	54.3	10.3	25.6	357 – 1448	18750-73184	11716-40638	15548-56823	10859-35958
	4	68.1	10.3	25.6	409 – 1860	26452-96908	16594-54181	21702-74797	15079-47091
Filter ePM1>50% (MERV13)	1	24.8	10.3	25.6	124 – 493	4137-23050	2675-12836	3255-15210	2504-11260
	2	36.6	10.3	25.6	127 – 808	9081-42544	5799-2375	7681-33135	5404-20926
	3	54.3	10.3	25.6	237 – 1278	12644-64620	8154-36143	10866-50421	7685-32105
	4	68.1	10.3	25.6	250 – 1595	16854-84759	10996-47790	14376-65760	10175-41683

Ceiling mounted, nominal voltage 120V, also available in 208V

¹⁾ at LPHW 140/120 °F, $t_{LI} = 68$ °F

²⁾ at CHW 45/55 °F, $t_{LI} = 80$ °F, 48% rel. humidity

KaDeck



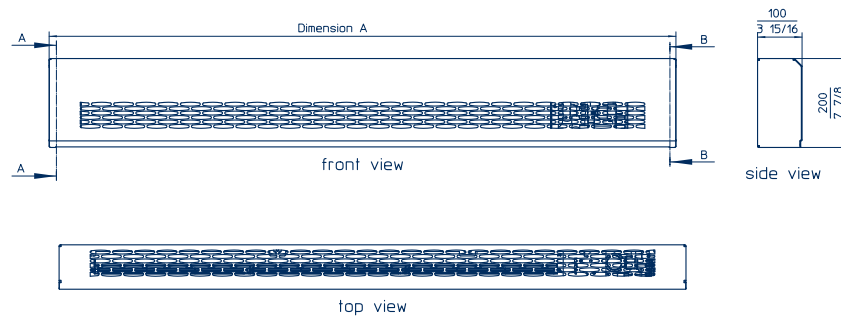
System	Air outlet	A	B	C	Cooling output (dry) ¹⁾	Cooling output (wet) ²⁾	Heat output ³⁾
		[in]	[in]	[in]	[BTU/h]	[BTU/h]	[BTU/h]
2-pipe	one-sided discharge	24.4	48.8	6.5	505-2326	1077-5207	1440-7530
	two-sided discharge	24.4	48.8	6.5	916-4231	1992-9407	2629-13586
4-pipe	one-sided discharge	24.4	48.8	6.5	425-1919	950-4053	1026-3471
	two-sided discharge	24.4	48.8	6.5	788-3493	1778-7354	1911-6462

¹⁾ at CHW 56/66 °F, t_{L1} = 80 °F, 48% rel. humidity

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

³⁾ at LPHW 140/120 °F, t_{L1} = 68 °F

Baseboard HK

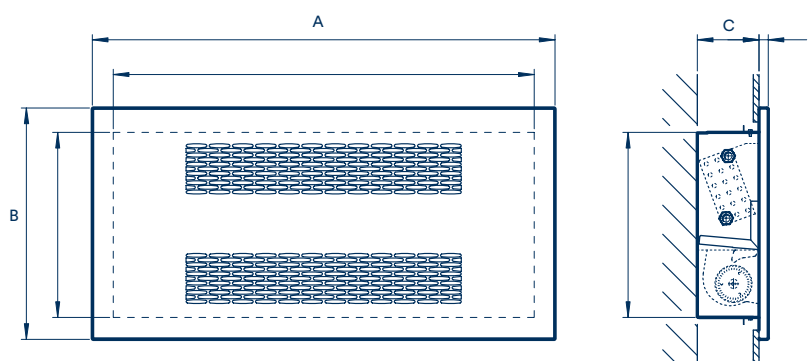


Size	A	B	C	System	Heat output ¹⁾	Cooling output ²⁾
	[in]	[in]	[in]		[BTU/h]	[BTU/h]
820	32.3	3.9	7.9	2-pipe	247-3706	122-1103
1040	40.9			2-pipe	370-5558	183-1654
1240	48.8			2-pipe	493-7412	244-2206
1450	57.1			2-pipe	610-9171	302-2729
1660	65.4			2-pipe	740-11116	366-3308
1960	77.2			2-pipe	863-12969	426-3860
2160	85.0			2-pipe	987-14823	487-4411
2380	93.7			2-pipe	1109-16672	548-4963
2580	101.6			2-pipe	1233-18527	609-5514
2790	109.8			2-pipe	1350-20286	667-6038
3000	118.1			2-pipe	1479-22233	731-6617

¹⁾ at LPHW 140/120 °F, t_{L1} = 68 °F

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

Wall HK



Model size	System	A	B	C	Cooling output ¹⁾	Heat output ²⁾
		[in]	[in]	[in]	[BTU/h]	[BTU/h]
1	2-pipe	32.1	14.6	5.5	880-3650	1550-6490
	4-pipe	32.1	14.6	5.5	880-3530	1300-3660
2	2-pipe	43.3	14.6	5.5	1470-6070	2620-10970
	4-pipe	43.3	14.6	5.5	1460-5870	2200-6180
3	2-pipe	63.0	14.6	5.5	2310-9530	4180-17460
	4-pipe	63.0	14.6	5.5	2300-9210	3500-9840
4	2-pipe	74.8	14.6	5.5	3000-12390	5470-22860
	4-pipe	74.8	14.6	5.5	2990-11960	4580-12880

¹⁾ at CHW 45/55 °F, t_{l1} = 80 °F, 48% rel. humidity

²⁾ at LPHW 140/120 °F, t_{l1} = 68 °F

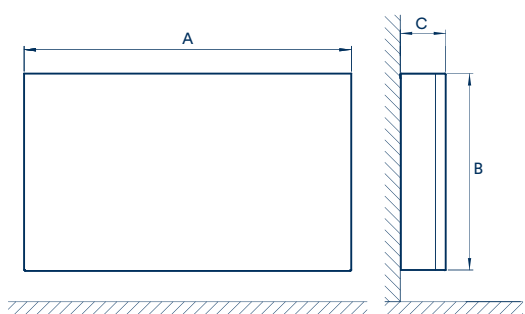
PowerKon LT

A	B	C	Heat output ¹⁾	Heat output ²⁾	Cooling output ³⁾
[in]	[in]	[in]	[BTU/h]	[BTU/h]	[BTU/h]
30.7	24.3	5.5	1701-6923	1130-4616	934-3852
40.5	24.3	5.5	2243-11877	1524-7871	1257-6463
48.0	24.3	5.5	3217-15335	2166-10191	1773-8597

¹⁾ at LPHW 140/120 °F, t_{l1} = 68 °F

²⁾ at LPHW 120/100 °F, t_{l1} = 68 °F

³⁾ at CHW 45/55 °F, t_{l1} = 81 °F, 48% rel. humidity



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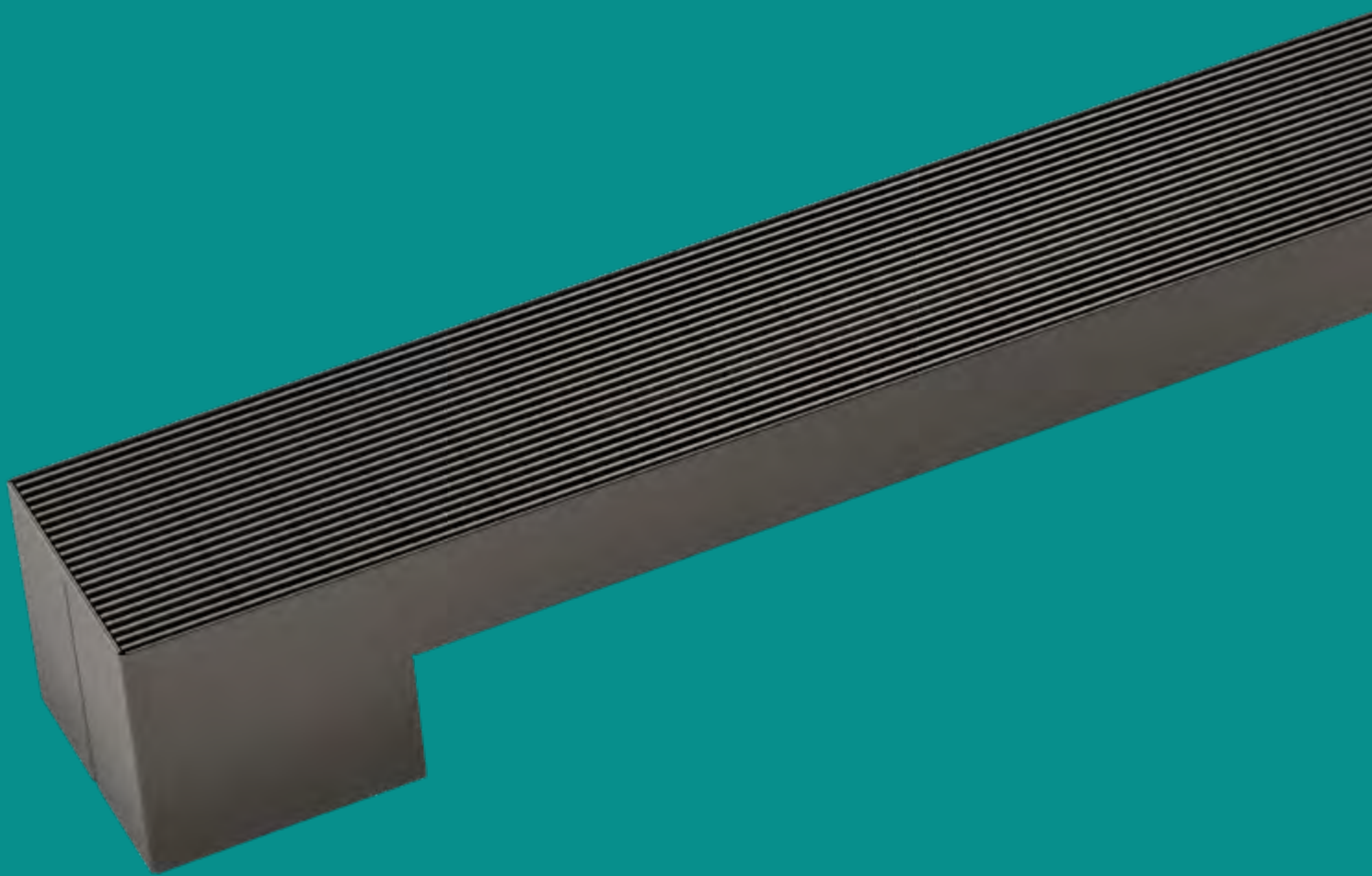
Calculate your product online.



Convectors

Our low-temperature convectors are durable and responsive. Find the right version for residential, institutional or commercial use, wall-mounted or as a free-standing heater.

- + Maximum flexibility thanks to a wide range of products with or without casing.
- + All convectors are suitable for low temperature operation.
- + PowerKon nano with ECM tangential fan for ultra-fast responsiveness with low noise emissions



Surprisingly versatile

You'll never compromise on quality when heating with convectors, whether in the form of architecturally made-to-measure convectors, discreet radiators or as free-standing design elements.

All Kampmann convectors are designed with high-quality heat carriers.

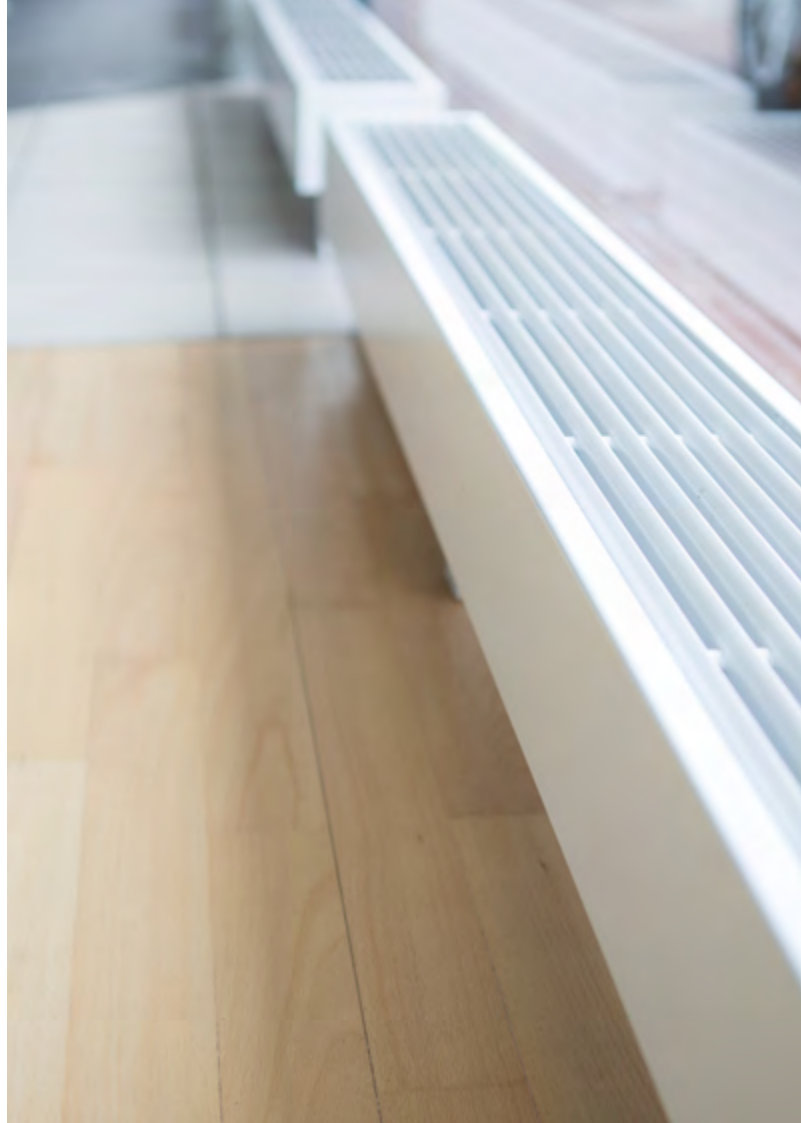
At the window

PowerKon + F

Admittedly, trench convectors are the go-to units under floor-to-ceiling windows or glazed façades. But this is not always possible, or perhaps you have a different design in mind.

Then PowerKon +F convectors are the solution for your project. Ultra-discreet and equally effective, thanks to their **high-quality copper-aluminium heat carriers**. And durable with **phosphated, powder coated sheet steel covers**.

But our be-all and end-all is finding the perfect solution for you.





Unobtrusive

PowerKon + W

If our products had a character of their own, then the PowerKon +W would be the selfless type. It fades into the background and really never wants to be noticed. At least not visually. However, its inner life is as multifaceted as its design is restrained. Our copper-aluminium heat carrier also **performs its service in absolute silence in this wall-mounted convector** .

But even if you take a closer look at its exterior, say during installation or maintenance, you learn to appreciate the details.

The one-piece casing, for example, can be fitted and dismantled without the need for a tool. Or its air discharge grille – either perforated or in the form of a linear grille. Take the time to get to know it.

Easy to install and maintenance-friendly

Let's ask people



We always have our ear to the market. We know from talking to tradespeople and designers that **sturdy metal casings** are of great importance to them and that a **simple maintenance concept** will keep installers and users happy for many years to come. Who would we be if we didn't take that to heart? You can rely on our convectors.

It's your choice

PowerKon nano

We have incorporated our entire **knowledge and expertise of trench technology into the PowerKon nano**. The **ECM tangential fan** provides optimum flow through the copper-aluminium heat exchanger. And yet its operating noise is scarcely audible, our trademark with our trench technology and fan coils. And this free-standing convector cannot fail to attract admiring glances.

Its high-quality casing can be designed in any RAL colour and the design roll-up grille is very low profile.

Our convectors at a glance

Wall-mounted convectors



PowerKon + W

- > convector optimised for use with low water temperatures
- > fast response due to low water content
- > low surface temperature

Free-standing convector



PowerKon + F

- > convector optimised for use with low water temperatures
- > fast response due to low water content
- > low surface temperature



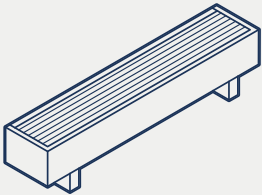
PowerKon nano

- > free-standing and versatile
- > usual quietness and high performance
- > ECM fan - efficient in terms of noise and energy



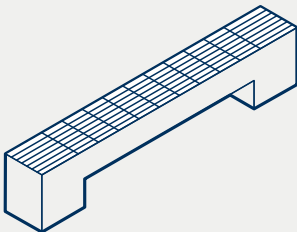
Fits every time

PowerKon + F



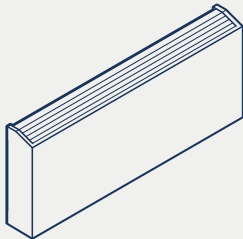
Height	3.1 5.1
Depth	5.1 7.1 9.1
Length ¹⁾	23.6 – 102.4

PowerKon nano



Height	6.3
Depth	6.3
Length	37.4 45.3 55.1 70.9 84.6

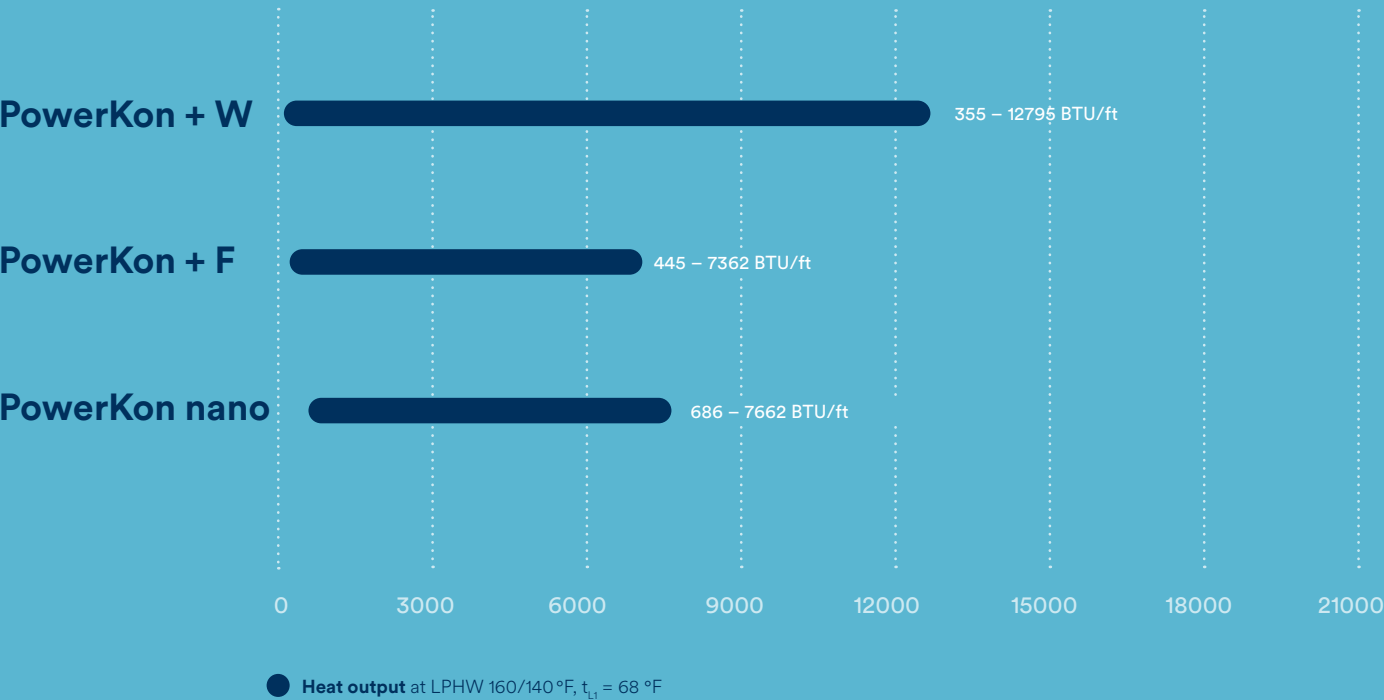
PowerKon + W



Height	9.8 15.7 21.7 27.6
Depth	2.8 4.7 6.7 8.7
Length ¹⁾	23.6 – 102.4

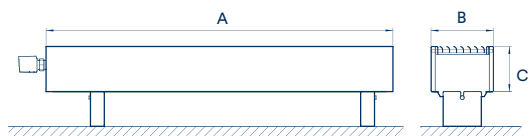
Dimensions in inch ¹⁾ 7.87 inch increments ²⁾ 3.93 inch increments
Custom casing and convector heights are possible for increased outputs – on request.

Performance data



It's your choice

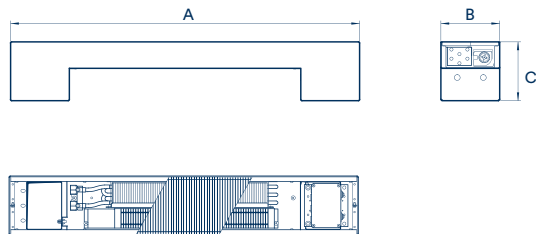
PowerKon + F



Height C	Depth B	Length A	Heat output ¹⁾
[in]	[in]	[in]	[BTU/ft]
3.1	5.1	23.6-102.4	445-2588
3.1	7.1	23.6-102.4	620-3609
3.1	9.1	23.6-102.4	933-5432
5.1	5.1	23.6-102.4	627-3647
5.1	7.1	23.6-102.4	924-5379
5.1	9.1	23.6-102.4	1265-7362

¹⁾ at LPHW 140/120 °F, t_{L1} = 68 °F, with fan-assisted convection

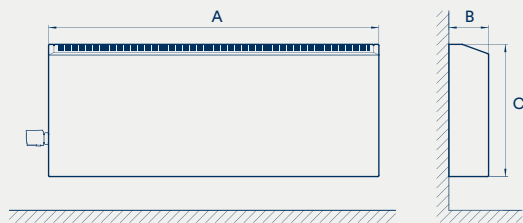
PowerKon nano



Width B	Height C	Length A	Heat output ¹⁾
[in]	[in]	[in]	[BTU/ft]
6.3	6.3	37.4	686-2015
6.3	6.3	45.3	1060-3116
6.3	6.3	55.1	1379-4054
6.3	6.3	70.9	2073-6092
6.3	6.3	84.6	2607-7662

¹⁾ at LPHW 140/120 °F, t_{L1} = 68 °F, with fan-assisted convection

PowerKon + W



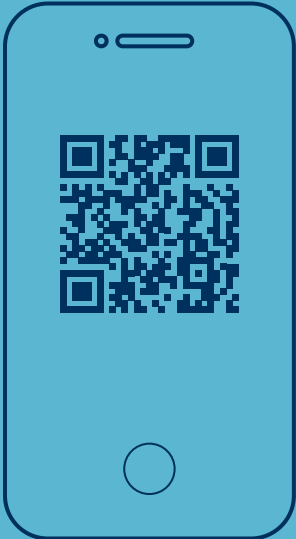
Height C	Depth B	Length A	Heat output ¹⁾
[in]	[in]	[in]	[BTU/ft]
9.8	2.8	23.6-102.4	355-2107
9.8	4.7	23.6-102.4	708-4207
9.8	6.7	23.6-102.4	1043-6195
9.8	8.7	23.6-102.4	1410-7679
15.7	2.8	23.6-102.4	399-2370
15.7	4.7	23.6-102.4	846-5025
15.7	6.7	23.6-102.4	1263-7501
15.7	8.7	23.6-102.4	1797-9783
21.7	2.8	23.6-102.4	440-2615
21.7	4.7	23.6-102.4	991-5885
21.7	6.7	23.6-102.4	1541-9153
21.7	8.7	23.6-102.4	2065-11244
27.6	2.8	23.6-102.4	459-2724
27.6	4.7	23.6-102.4	1068-6341
27.6	6.7	23.6-102.4	1644-9764
27.6	8.7	23.6-102.4	2350-12795

¹⁾ at LPHW 140/120 °F, t_{l1} = 68 °F

Your digital product finder:

kampmann.ca > Products > Convector
 kampmann.us > Products > Convector

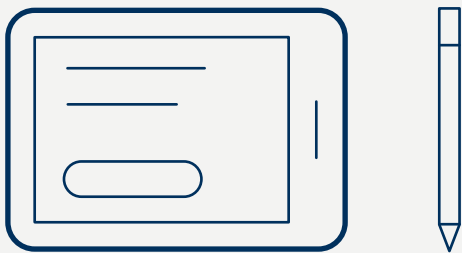
Calculate your product online.



We're always here to help!

Wherever you are, we're there for you. We offer a range of tools to assist you during the planning process, from smart apps and calculation programs to BIM data and CAD drawings.

Design



We would be pleased to produce project-specific design drawings and wiring diagrams for your project to perfect and make our design easier.

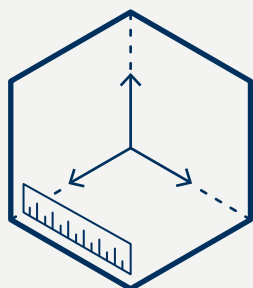
BIM data sets



Make the most of the BIM data sets that Kampmann provides for Katherm trench heaters and ensure that your planning runs as smoothly as possible.

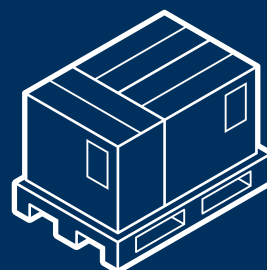
The sets contain unit dimensions, technical measurements for water and electrical connections, plus performance data.

Site measurements



To prevent inaccuracies, our technicians perform site measurements using 2D lasers – ensuring precise and efficient dimensioning.

Delivery



Kampmann products are delivered sorted on pallets to site. The products are packaged with position labels so that they can be allocated on site to the correct floors and installation locations.

Consultation



As well as providing comprehensive advice and design assistance for building services systems, we can also give you exactly the documentation you need for any project.

kampmann.ca/service
kampmann.us/service



The Kampmann Group: unique solutions expertise for the best air conditioning systems.

With over 1000 employees at 16 sites around the world, Kampmann is one of the major players in the construction and building services sector.

Kampmann offers solutions expertise and a unique broad-based product range.

Our systems for heating, cooling and ventilation are at the forefront of different market segments today.



1000
+

employees working for
you at the Kampmann
Group.

21,893

variants of our products in our
standard range alone.



International sites



Headquarters

Kampmann GmbH & Co. KG
Lingen (Ems), Germany



› Canada/USA
› France

› Italy
› Netherlands

› Austria
› Poland

› Switzerland
› Great Britain

Research & Development Playground

The Kampmann Research and Development Centre (R&D) is a veritable playground for our physicists and engineers. And it also provides the necessary testing ground for our system-based new product and product development processes.

The unprecedented range of laboratories, test stands and premises within the R&D enables our employees to practise their academic expertise in elaborate measurements and simulations. They maintain the high quality standards that our Kampmann customers have come to expect. The Research and Development Centre has therefore provided us with a boost for our innovative prowess time and time again.





kampmann.ca/r-and-d



kampmann.us/r-and-d





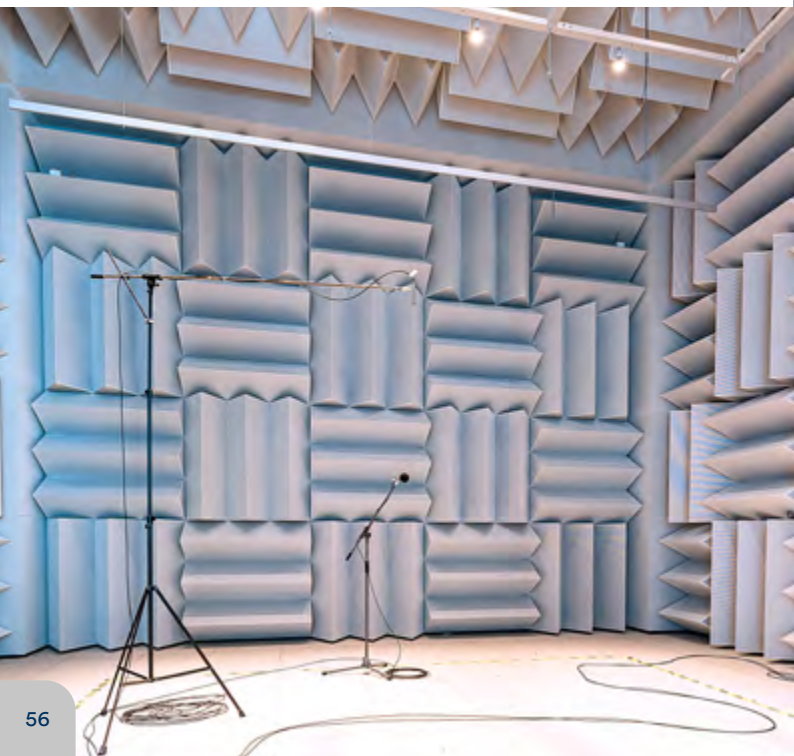
The Airflow Lab

For real simulation of the air conditioning of rooms: the walls, floor and ceiling can be heated and cooled independently of each other.

The System Rooms

The two system rooms reproduce a two-axis and a three-axis office.

Customer projects can be replicated and measured in them, or product demonstrations arranged.



The Acoustic Measurement Lab

Ssssh! 11.8 inch of concrete, 15.7 inch of stone and glass wool as well as 17.7 inch pyramid acoustic foam in the sound measurement laboratory guarantee absolute silence.



The Multi-purpose Lab

The heart of the multi-purpose laboratory is the test rig for the standard-compliant measurement of fan and resistance characteristic lines, as well as filters, baffles and ducts.

The Industrial Tower

The Industrial Tower is where we demonstrate the momentum of our units: depending on the setting, warm air reaches floor level with ease, and cold air is evenly distributed under the ceiling to then fall gently and draught-free.



The Reverberation Room

As impressive as it is to enter the anechoic sound measurement laboratory with its almost oppressive silence, entering the Reverberation Room is quite the opposite: sound waves are constantly reflected on the acoustically hard wall surfaces, none of which are parallel to their opposite wall.

Genau mein Klima

Our Sustainability Strategy

Taking responsibility and acting sustainably. That is our aim in all our business activities. While it is our core business is to ensure a good indoor climate with modern air conditioning units, we also see the need as a company to make our contribution to achieving climate targets, such as the 1.5 degree target set by the Paris Climate Agreement.

We do this through increasingly sustainable products and by operating our sites as ecologically as possible, for example by using climate-neutral gas and electricity.

As an Emsland-based family-owned company, we also feel strongly connected to our location and our local people. Here too, we take responsibility from a sense of conviction – along our supply chain, for our employees and the society in which we operate.

“Sustainability is more than just a tiresome legislative duty: Sustainability also means safeguarding the future of the company with satisfied and motivated employees, and with a future-centric and fair business strategy. But also by achieving climate targets.”

Hendrik Kampmann, Managing Director



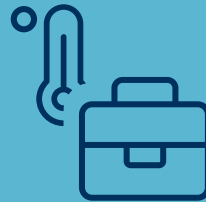
Four pillars of sustainability

As part of our sustainability strategy, we have addressed the economic, ecological and social factors of sustainability. In order to further highlight the outstanding role of our employees, we have further sub-divided the social issues. From the three central pillars of sustainability, we thus made Kampmann's four pillars of sustainability. In line with our core business, they are:



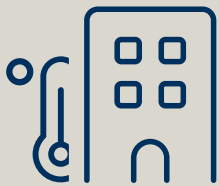
Ecoclimate

- + Business ecology
- + Product ecology
- + Sustainable self-image



Working climate

- + Motivated employees
- + New Work
- + Job security



Corporate Climate

- + Governmental Compliance
- + Risk/Opportunity Management
- + Supply Chain



Social Climate

- + Social commitment



Responsibility in the supply chain

Partnering with customers and suppliers is a key factor for our success. Binding guidelines and conduct that are in line with our values are therefore of particular importance.

For Kampmann, responsibility does not start with its own production sites. We therefore attach great importance to transparency and a high proportion of regional suppliers.

The carbon footprint of our products

Environmental Product Declarations (EPDs) provide information about the environmental impact of a product.

EPDs are standardised and verified so that they can be used as evidence in certification processes for sustainable buildings etc.

We are constantly working to expand our broad-based product range to include new EPDs. We currently offer them for our Katherm HK, Katherm NK and Katherm QK trench heaters and for all sizes of Venkon fan coils and PowerKon LT.

You can obtain material-based LCA data on request for all fan coil units.



**EPD**[®]
THE INTERNATIONAL EPD[®] SYSTEM

And that's in our Environmental Product Declarations (EPDs)

Our audit does not end with the life cycle of a product. The ongoing use or recycling of products after their original use is also taken into account in our life cycle assessments: from cradle to cradle. This gives you an end-to-end picture of the cycle that our trench technology unit heaters, fan coils etc. go through.

Manufacturing phase



Supply of raw materials



Transport of raw materials



Production

Construction phase



Transport of products



Installation

Usage phase



Maintenance



Repair



Replacement of components



Energy usage

Disposal phase



Demolition/removal



Transport of waste



Waste treatment



Disposal/recycling







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