Heatpumps From A Fresh *Perspective*

Making Technology Work With No Limits

STROM

IT'S ALL IN THE DETAIL

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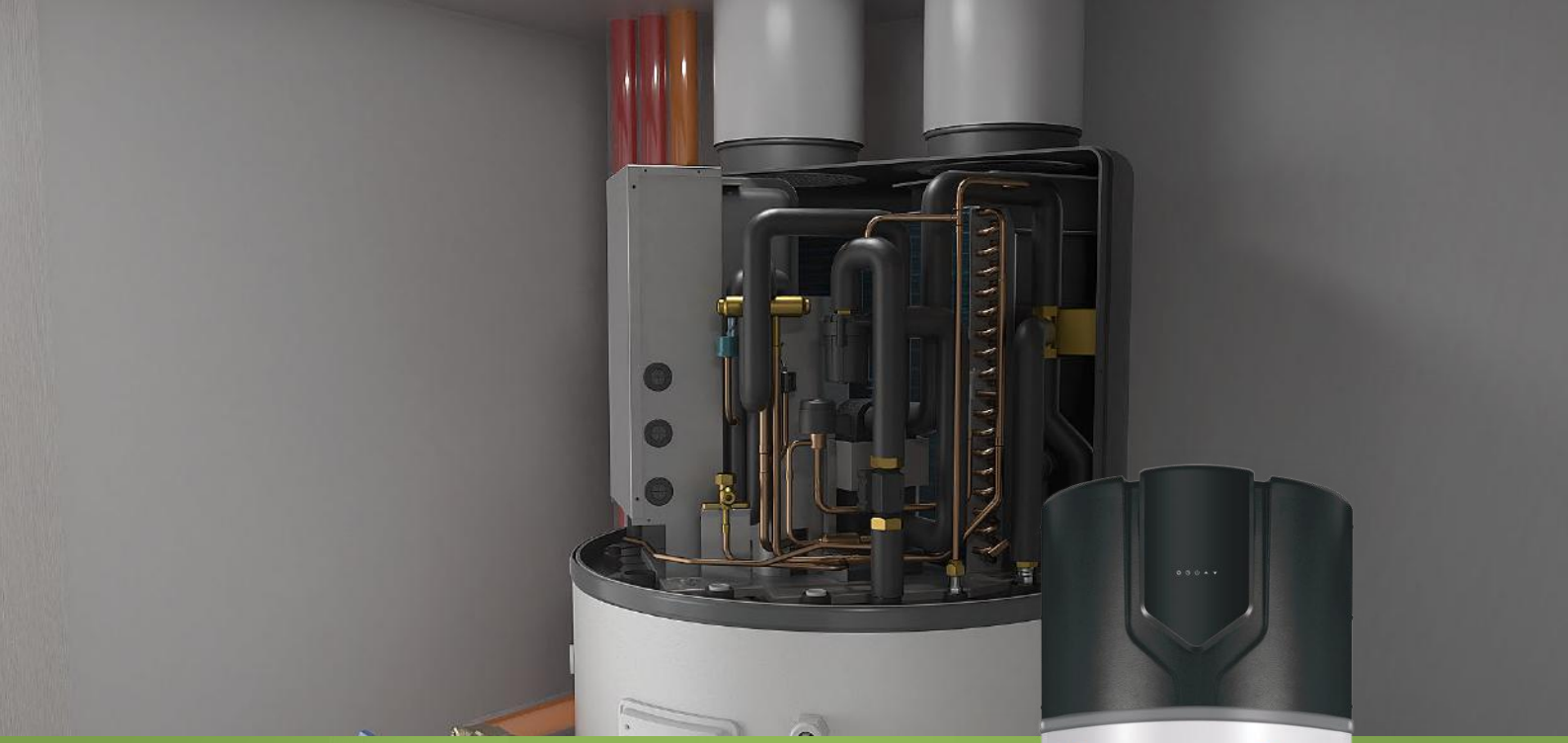
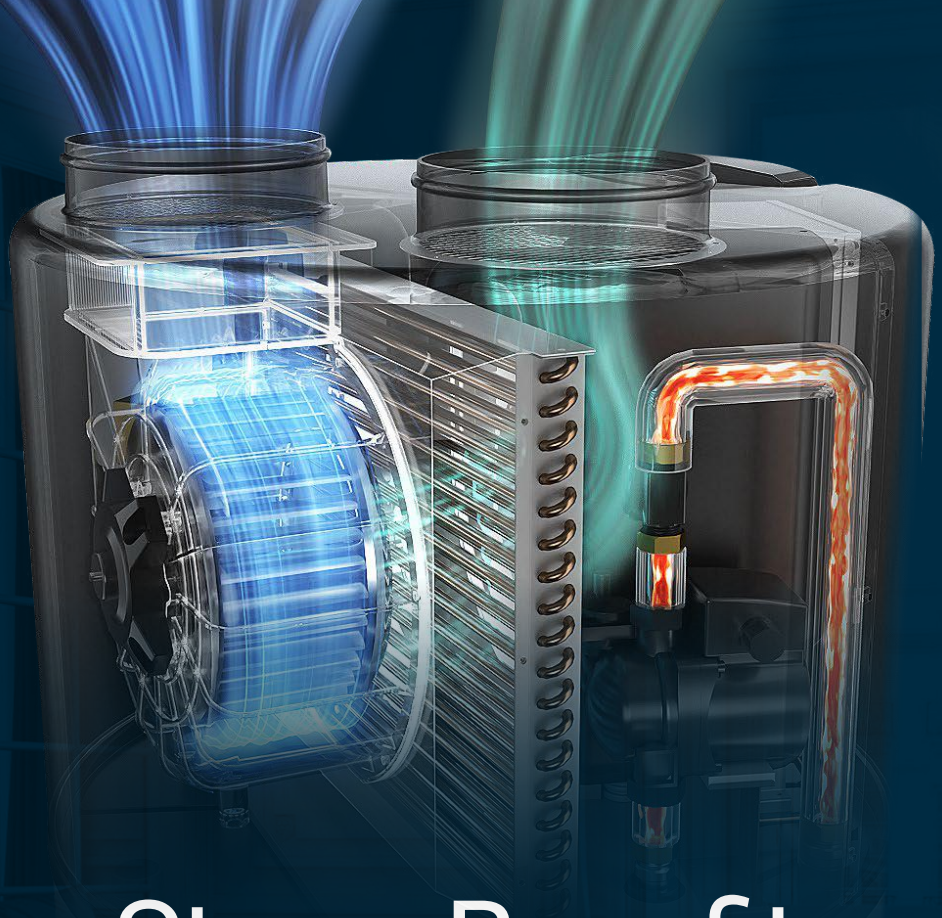


No space for an outdoor unit?

COMPACT Strom's Vertex range of indoor tank based units mean that anyone can now take advantage of cutting edge heatpump technology. This compact unit can draw stale air from rooms in your home, or be ducted to draw fresh air in from the ourside. Once air has been drawn into the unit the built in compressor extracts energy from that air before either using it to heat up your hot water, or pass it to your central heating system to keep you nice and warm.



The Strom Benefit...

Unlike our competitors, we didn't take an existing product and rebadge it, we built it from the ground up to be simply better...

DUCTED AIR

The Strom Vertex tank range introduces a new era in heat pump installation. Warm air can be ducted from rooms with stale air, or from outside the home. Because of its small dimensions more people than ever before can benefit from heatpumps.

ADVANCED

Equipped with cutting edge features, including full remote monitoring, StromHeat App, over-the-air (OTA) updates, and Wi-Fi connectivity. Installation is a breeze, and if required Strom can dial into your system to help you configure the unit.

UNCOMPROMISING

Every component is engineered to the highest standards, using premium materials from industry leaders .Each unit undergoes rigorous testing and is certified to meet the latest industry requirements whilst still pushing bounderies.

VERSATILITY

Strom offer a range of Vertex tank sizes, as well as two different and distinct models. Vertex Cyl produces hot water using its in built heatpump technology, whilst Vertex Cyl Plus also contributes to the properties heating load using the heatpump and ancilliery built in electrical heating element.

COMPREHENSIVE SUPPORT

Strom offers a complete support package for partners and installers, including in-house system design, technical support before and after installation, commissioning services, and on-site engineer assistance. We also provide a wide range of standard and bespoke pre-plumbed cylinder packages to suit any installation.

Technical Specification...

Where design meets performance, no compromises...

		Hot Water Only		Heating & Hot Water
	Model	**200L**	**300L**	**180/65L**
	Product Code	**VCHP200**	**VCHP300**	**VCPHP180/65**
Dimensions	**Product (HxWxD) mm**	640x640x1565	640x640x1960	640x640x1907
	Packaging (HxWxD) mm	706x706x1690	706x706x2085	706x706x2034
	Weight (Gross) Kg	86	109	129
	Weight (Net) Kg	73	94	113
Electrical Data	**Rated Voltage**	230V	230V	230V
	Fuse Type	C	C	C
	Minimum Breaker Size	25A	25A	63A
	Rated Current (Full Load)	15A	15A	55A
	IP Rating	IP21	IP21	IP21
	Auxilliary Heater Capacity (Hot Water/Heating)	3/-kW	3/-kW	3/8kW
	Compressor Rated Power Input	0.41kW	0.41kW	0.41kW
Hydraulic Connection	**Cold Inlet**	1" Female BSP	1" Female BSP	1" Female BSP
	Hot Outlet	1" Female BSP	1" Female BSP	1" Female BSP
	Pressure Relief Valve	1/2" BSP	1/2" BSP	1/2" BSP
	Drain Point	1/2" Female BSP	1/2" Female BSP	1/2" Female BSP
	Heating Flow	-	-	1" Female BSP
	Heating Return	-	-	1" Female BSP
	Air Exhaust	-	-	1/4" Female BSP
	Condensate Disposal	1/2" Female BSP	1/2" Female BSP	1/2" Female BSP
Cylinder Specification	**Water Tank Material**	Duplex Steel 2101	Duplex Steel 2101	Duplex Steel 2101
	Outer Case Material	Galvanized Steel	Galvanized Steel	Galvanized Steel
	Volume	200L	300L	180/65L
	Maximum Working Pressure	10 Bar	10 Bar	10 Bar
	Minimum Inlet Pressure	3 Bar	3 Bar	3 Bar
	Maximum Outlet Temperature	75°C	75°C	75°C
Refrigerant Circuit	**Refrigerant Type**	R290	R290	R290
	Refrigerant Charge	0.15Kg	0.15Kg	0.15Kg
	Global Warming Potential (GWP)	3	3	3
	Co2 Equivalent	0.00045	0.00045	0.00045
	Expansion Valve Type	Electronic Expansion Valve		
	Compressor Type	Rotary Compressor		
Noise Emissions	**Sound Power Level**	52dB(A)	54dB(A)	52dB(A)
Energy Efficiency	**Energy Efficiency Class**	A+	A+	A+
	COP (Hot Water)	3.02	3.06	3.05
	COP (Heating)	-	-	3.12
Airflow	**Fan Power Consumption**	23w	23w	23w
	Fan Quantity	1	1	1
	Fan Airflow Maximum	350m³/h	350m³/h	350m³/h
	Air Inlet/Outlet Size (Diameter)	180mm	180mm	180mm
Heating Circuit	**Minimum Operating Pressure**	-	-	0.8 Bar
	Maximum Operating Pressure	-	-	3.0 Bar
	Flow Temperature Operational Range	-	-	20-55°C
	Minimum Flow Temperature (Heating)	-	-	20°C
	Maximum Flow Temperature (Heating)	-	-	80°C