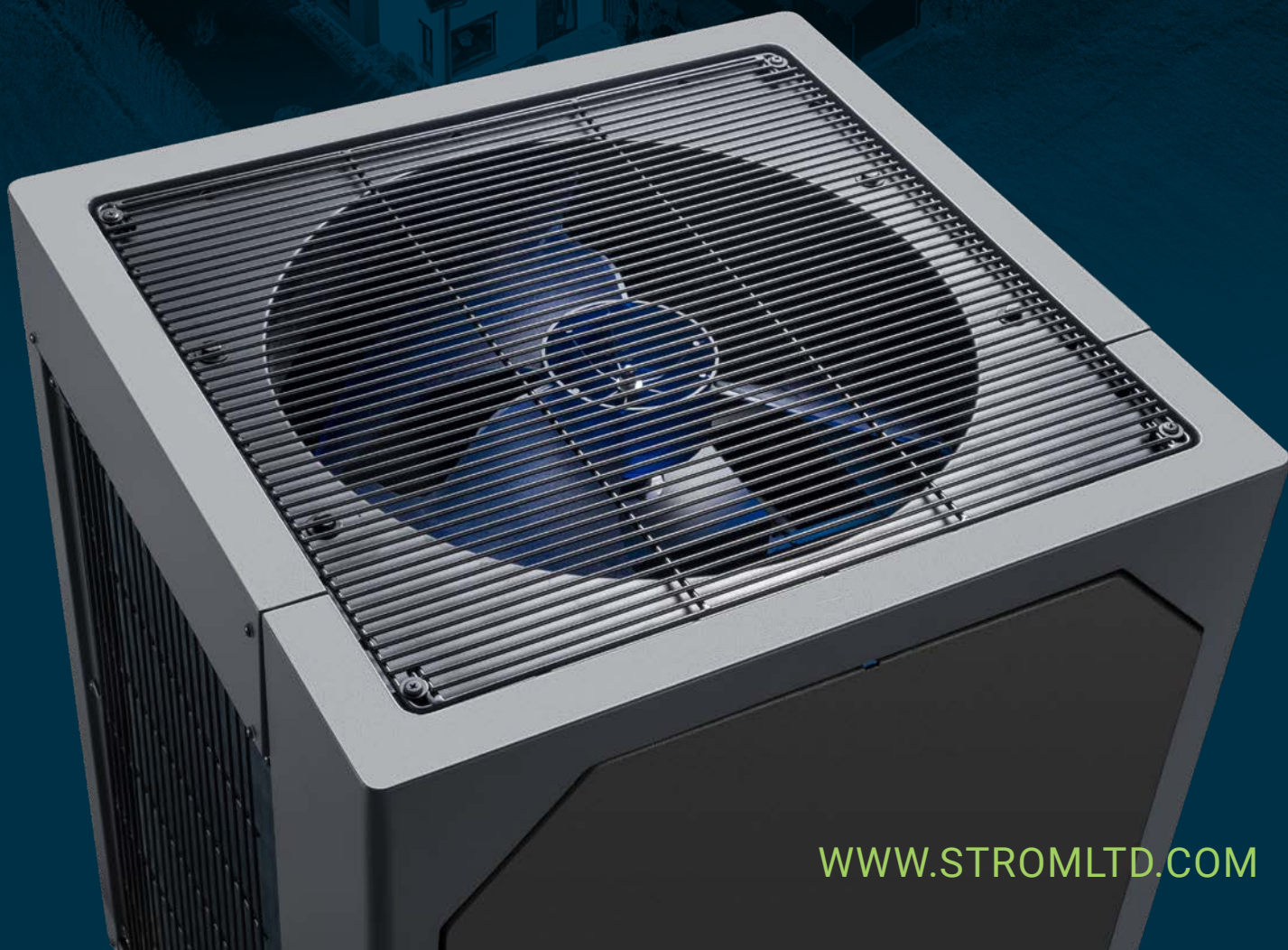


# Heatpumps From A Fresh Perspective

Making Technology Work With No Limits



**STROM**  
IT'S ALL IN THE DETAIL



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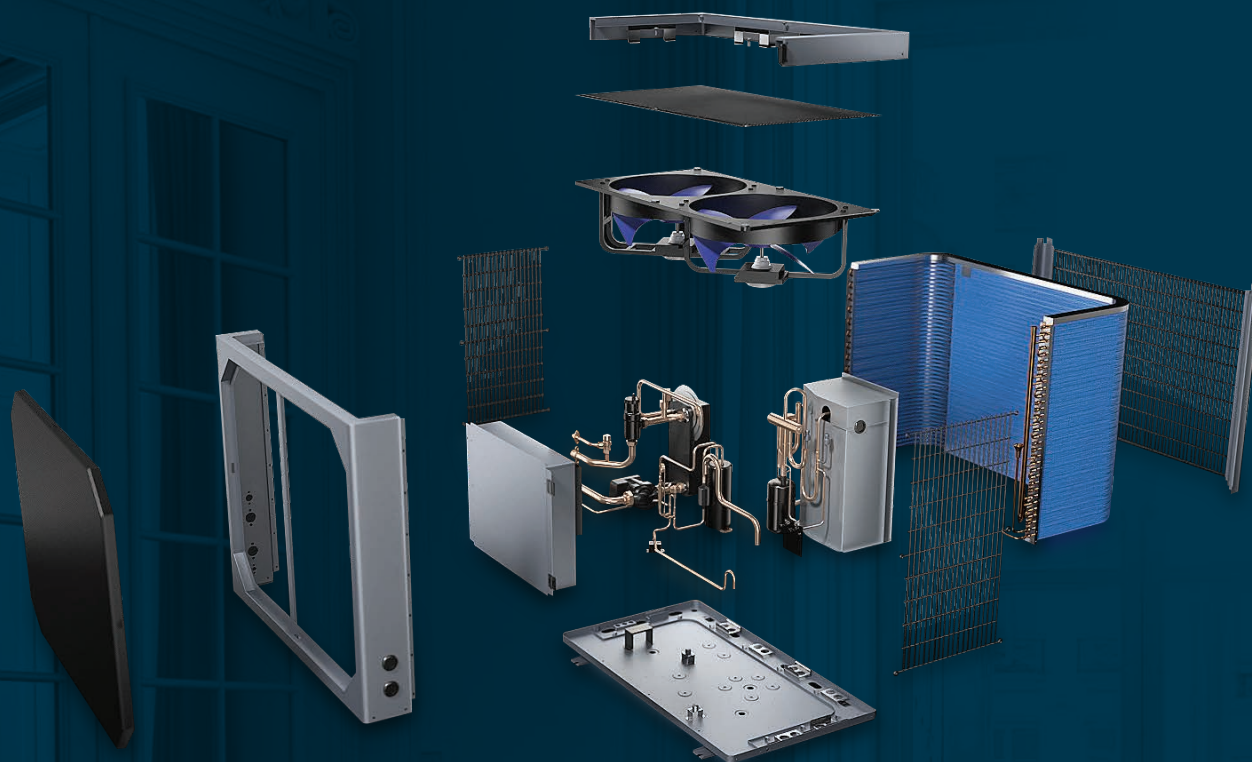
# Don't Lose Your Garden...

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## AIRFLOW

Going green no longer means losing your garden. The Strom Vertex Monoblock Airsource Heatpump has been designed with airflow management in mind to ensure no matter where you are sat you can still enjoy your garden. By directing the airflow away from the garden it allows you to enjoy your outdoor space without cold draughts, damaged plants, or scattered debris. It may seem like a simple concept, but thats just one of the ways we are unique in the industry.





# 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...

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## VERTICAL AXIS

The Strom Vertex range introduces a new era in heat pump installation. Featuring upward-firing fans, these units disperse cool air vertically, minimizing nuisance drafts. This design enhances efficiency and reduces perceived noise levels.

## ADVANCED

Equipped with cutting edge features, including full remote monitoring, Smart Grid (SG) compatibility, over-the-air (OTA) updates, and 4G/Wi-Fi connectivity. We also include up to 12 months of free 4G data, making setup without Wi-Fi hassle-free & easy.

## UNCOMPROMISING

Every component is engineered to the highest standards, using premium materials from industry leaders such as Sika, Danfoss, and Esbe. Each unit undergoes rigorous testing and is certified to meet the latest industry requirements.

## EASY TO INSTALL

Installation is streamlined with a custom-designed wiring centre for indoor components and a single-wire connection between the outdoor unit and control centre. The heat pump includes an integrated circulation pump, de-gasser, and pressure relief valve—everything you need for a quick and efficient setup.

## 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.

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|                                              | Model                        | 5kW                             | 7kW                   | 9kW                   | 12kW                      | 15kW                      |
|----------------------------------------------|------------------------------|---------------------------------|-----------------------|-----------------------|---------------------------|---------------------------|
|                                              | Product Code                 | VHP5                            | VHP7                  | VHP9                  | VHP12                     | VHP15                     |
| Dimensions                                   | Product (WxDxH) mm           | 700x685x910                     | 700x685x910           | 700x685x910           | 1130x680x935              | 1130x680x935              |
|                                              | Packaging (WxDxH) mm         | 790x765x1060                    | 790x765x1060          | 790x765x1060          | 1220x728x1095             | 1220x728x1095             |
|                                              | Weight (Gross) Kg            | 138                             | 144                   | 147                   | 187                       | 211                       |
|                                              | Weight (Net) Kg              | 107                             | 113                   | 116                   | 143                       | 166                       |
|                                              |                              |                                 |                       |                       |                           |                           |
| Electrical Data                              | Rated Voltage                | 230V                            | 230V                  | 230V                  | 230V                      | 230V                      |
|                                              | Fuse Type                    | C                               | C                     | C                     | C                         | C                         |
|                                              | Recommended Breaker Size     | 25A                             | 25A                   | 25A                   | 32A                       | 32A                       |
|                                              | Rated Current (Maximum)      | 16A                             | 18A                   | 21A                   | 23A                       | 40A                       |
|                                              | IP Rating                    | IPX4                            | IPX4                  | IPX4                  | IPX4                      | IPX4                      |
|                                              | Comms Cable Min. Size        | 5x0.25mm <sup>2</sup>           | 5x0.25mm <sup>2</sup> | 5x0.25mm <sup>2</sup> | 5x0.25mm <sup>2</sup>     | 5x0.25mm <sup>2</sup>     |
|                                              | Comms Cable Max Length       | 15m                             | 15m                   | 15m                   | 15m                       | 15m                       |
|                                              | Fan Power Consumption        | 60W                             | 60W                   | 60W                   | 90W                       | 90W                       |
|                                              | Fan Quantity                 | 1                               | 1                     | 1                     | 2                         | 2                         |
|                                              | Fan Air Flow Maximum         | 5000m <sup>3</sup> /h           | 7000m <sup>3</sup> /h | 9000m <sup>3</sup> /h | 6000m <sup>3</sup> /h x 2 | 7500m <sup>3</sup> /h x 2 |
|                                              |                              |                                 |                       |                       |                           |                           |
| Hydraulic Connection                         | Heating Flow & Return (BSP)  | 1"                              | 1"                    | 1"                    | 1"                        | 1"                        |
|                                              | Pressure Relief Valve (BSP)  | 1/2"                            | 1/2"                  | 1/2"                  | 1/2"                      | 1/2"                      |
| Heating Circuit                              | Min. Circuit Volume          | 40L                             | 40L                   | 60L                   | 60L                       | 100L                      |
|                                              | Min. Operating Pressure      | 0.8bar                          | 0.8bar                | 0.8bar                | 0.8bar                    | 0.8bar                    |
|                                              | Max Operating Pressure       | 3.0bar                          | 3.0bar                | 3.0bar                | 3.0bar                    | 3.0bar                    |
|                                              | Outdoor Temp. Range          | -25 to 43°C                     | -25 to 43°C           | -25 to 43°C           | -25 to 43°C               | -25 to 43°C               |
|                                              | Min. Flow Temp (Heating)     | 20°C                            | 20°C                  | 20°C                  | 20°C                      | 20°C                      |
|                                              | Max. Flow Temp (Heating)     | 75°C                            | 75°C                  | 75°C                  | 75°C                      | 75°C                      |
|                                              | Min. Flow Temp (Cooling)     | 12°C                            | 12°C                  | 12°C                  | 12°C                      | 12°C                      |
|                                              | Max. Flow Temp (Cooling)     | 25°C                            | 25°C                  | 25°C                  | 25°C                      | 25°C                      |
|                                              | Minimum Flow Rate            | 0.572 lpm                       | 0.8 lpm               | 1.0332 lpm            | 1.372 lpm                 | 1.72 lpm                  |
|                                              | Maximum Flow Rate            | 14.3 lpm                        | 20 lpm                | 25.83 lpm             | 34.3 lpm                  | 43 lpm                    |
|                                              | Max. Power Heating Pump      | 30W                             | 35W                   | 45W                   | 65W                       | 70W                       |
|                                              | Max Length Indoor to Outdoor | 15m                             | 15m                   | 15m                   | 15m                       | 15m                       |
|                                              | Pump Feed Pressure           | 10kPA                           | 10kPA                 | 10kPA                 | 10kPA                     | 10kPA                     |
|                                              |                              |                                 |                       |                       |                           |                           |
| Refrigerant Circuit                          | Refrigerant Type             | R290                            | R290                  | R290                  | R290                      | R290                      |
|                                              | Refrigerant Charge           | 0.65Kg                          | 0.75Kg                | 0.9Kg                 | 1.1Kg                     | 1.4Kg                     |
|                                              | Global Warming Potential     | 3                               | 3                     | 3                     | 3                         | 3                         |
|                                              | Co2 Equivalent               | 0.00195                         | 0.00225               | 0.0027                | 0.0033                    | 0.0042                    |
|                                              | Expansion Valve Type         | Electronic Expansion Valve      |                       |                       |                           |                           |
| Noise Emissions (Heating)<br>EN12102:EN14511 | Compressor Type              | Inverter Twin Rotary Compressor |                       |                       |                           |                           |
|                                              | Sound Power A7/W55           | 57 db(A)                        | 55 db(A)              | 53 db(A)              | 55 db(A)                  | 61 db(A)                  |
|                                              | Sound Pressure @ 1m A7/W55   | 42 db(A)                        | 40 db(A)              | 39 db(A)              | 40 db(A)                  | 46 db(A)                  |
|                                              | Sound Pressure @ 3m A7/W55   | 32 db(A)                        | 30 db(A)              | 29 db(A)              | 30 db(A)                  | 36 db(A)                  |
|                                              | Sound Pressure @ 5m A7/W55   | 28 db(A)                        | 26 db(A)              | 25 db(A)              | 26 db(A)                  | 32 db(A)                  |
|                                              | Sound Power A7/W35           | 55 db(A)                        | 53 db(A)              | 51 db(A)              | 53 db(A)                  | 59 db(A)                  |
|                                              | Sound Pressure @ 1m A7/W35   | 40 db(A)                        | 38 db(A)              | 37 db(A)              | 38 db(A)                  | 44 db(A)                  |
|                                              | Sound Pressure @ 3m A7/W35   | 30 db(A)                        | 28 db(A)              | 27 db(A)              | 28 db(A)                  | 34 db(A)                  |
|                                              | Sound Pressure @ 5m A7/W35   | 26 db(A)                        | 24 db(A)              | 23 db(A)              | 24 db(A)                  | 30 db(A)                  |
|                                              |                              |                                 |                       |                       |                           |                           |
| Energy Efficiency                            | Scop @ 35                    | 4.61                            | 4.70                  | 4.70                  | 4.65                      | 4.80                      |
|                                              | Scop @ 55                    | 3.54                            | 3.54                  | 3.51                  | 3.53                      | 3.63                      |

