



## XStream™ Excellent GVWF XSH Water-to-Water Heat Pump



**Heating capacity: 380-1510 kW**

- High speed centrifugal compressor with magnetic bearings
- Industry-leading part load and full load efficiencies
- Double refrigerant circuit  
Single refrigerant circuit (GVWF 116 XSH)
- Ideal for energy efficient electrification of heating applications
- Hot water delivery up to +65°C
- Various unit configurations to efficiently handle large  $\Delta t$  or variable flow situations.



## Outstanding energy efficiency

XStream™ Excellent GVWF XSH units deliver market-leading part load and full load efficiency performance.

Low energy consumption and enhanced efficiency are achieved with high speed centrifugal compressor:

- Permanent magnet motor
- Oil free and silent operation thanks to frictionless magnetic levitation bearings
- Integrated Variable Frequency Drive
- Soft starter module
- Only one moving part



## A groundbreaking heat pump generation

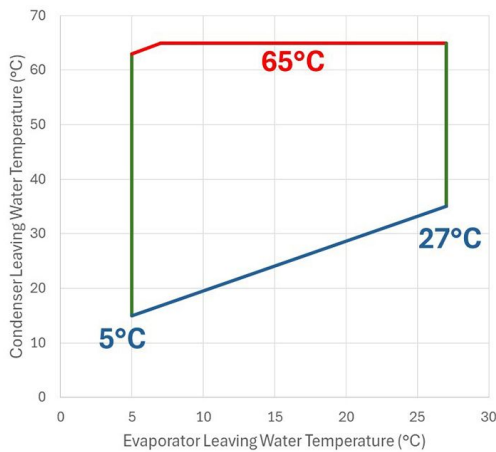
The Trane XStream™ GVWF XSH heat pumps use a dedicated compressor able to operate in demanding heating conditions:

- Support high pressure ratio of heating applications
- Good capacity controllability including for high water temperature delivery.

## Versatile application range

Multiple heat exchanger combinations are available to suit applications with large temperature differentials ( $\Delta t$ ) and variable flow (VPF) situations.

Depending on the unit size, the heat exchangers can achieve a  $\Delta t$  of up to 28 K at the condenser and 20 K at the evaporator.



## Range description

- Operating conditions: Up to 65°C on the hot water side (condenser) and from +5 to 27°C leaving water on the source side (evaporator).
- GVWF XSH packaged heat pumps are available in 4 basic different models and two possible refrigerants. Multiple heat exchanger configurations are available to optimize unit to flow variations or  $\Delta t$  conditions
- GVWF XSH G: R1234ze or R515B

## Technical specifications

Cooling capacity	-----
Heating capacity	380-1510 kW
Eurovent certification	●
ErP Certification	●
Refrigerants	R1234ze   R515B
Operating mode	Reversible heat pump with gas burner
Energy saving	Adaptive Frequency™ Drive
Compressor	Centrifugal

## Product data

### GVWF XSH G

	Ph (1) kW	COP (1)	Ph (2) kW	COP (2)	SCOP (2)	Ph (3) kW	COP (3)	LwO (4) dB(A)	L (5) mm	W (5) mm	H (5) mm	OW (5) kg
<b>GVWF 116 XSH G</b>	380,5	4,26	383,0	3,93	5,53	-	-	96	2865	1130	1975	2247
<b>GVWF 226 XSH G</b>	760,4	4,07	758,6	3,80	5,40	696,9	3,58	98	2980	1125	1870	2505
<b>GVWF 326 XSH G</b>	1129,3	4,15	1143,1	3,87	5,72	1045,2	3,66	100	4720	1695	2035	4683
<b>GVWF 426 XSH G</b>	1507,0	4,14	1512,0	3,90	5,78	1381,4	3,66	101	4780	1795	2135	5758
<b>GVWF 116 XSH G - R515B</b>	373,1	4,18	375,2	3,85	5,40	-	-	96	2865	1130	1975	2247
<b>GVWF 226 XSH G - R515B</b>	745,5	3,99	743,3	3,73	5,30	685,2	3,50	98	2980	1125	1870	2505
<b>GVWF 326 XSH G - R515B</b>	1107,8	4,08	1120,5	3,80	5,58	1028,3	3,58	100	4720	1695	2035	4683
<b>GVWF 426 XSH G - R515B</b>	1478,5	4,07	1484,2	3,82	5,65	1355,2	3,59	101	4780	1795	2135	5758

Ph: Heating capacity

LwO: A-weighted sound power level outside

H: Height

COP: Coefficient Of Performance (heating)

L: Length

OW : Operating Weight

SCOP: Seasonal Coefficient Of Performance

W: Width

(1): Evaporator water temperature in/out 10/7°C - Condenser water temperature in/out 40/45°C

(2): Ecodesign rating for Heat pumps. Source water temperature in/out 10/7°C and hot water temperature in/out 47/55°C. SEER/η<sub>s,h</sub> as defined in REGULATION (EU) N°813/2013 of 2 August 2013

(3): Evaporator water temperature in/out 10/7°C - Condenser water temperature in/out 55/65°C (EN 14511:2022)

(4): According to ISO 9614:2009. Eurovent conditions, with 1pW reference sound power (without accessories)

(5): Basic unit without accessories

## Improve Operations

Technology is continuously evolving and Trane Engineering is ahead of the curve in bringing innovation into product development. Our sustainable solutions deliver enhancements to the Trane installed base to make your chillers and heat pumps even "better than before". That's Trane Building Advantage - TBA.

## Trane Rental Services

Cooling and heating are services, not products. A process or a building does not need a chiller or a boiler sitting on a roof, but a reliable and efficiency supply of cold or hot water, cold or warm air. This is the essence of what we do at Trane Rental Services. Let us take care of it for you.



**Read more <https://trane.eu/rental>**

Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit [trane.eu](https://trane.eu) or [tranetechnologies.com](https://tranetechnologies.com).