



## Trane FLEX HP HT Air-to-Water Heat Pump



**Cooling capacity: 50-144 kW**

**Heating capacity: 54-154 kW**

- Tandem scroll compressors
- Electronic expansion valve
- Leaving water temperature up to 65°C
- Brazed plate heat exchanger with pressure differential switch and antifreeze protection electric heater
- Microprocessor-based controller to manage unit on/off mode, operating mode setting, parameters setting, and error code display



## Ideal for high hot water temperature applications

Trane FLEX HP HT represents an advanced and sustainable alternative to gas boilers in residential or light commercial buildings.

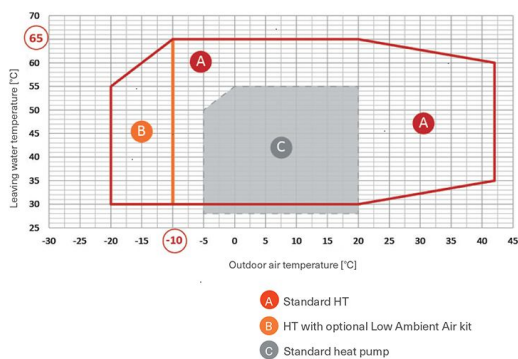
It produces leaving hot water up to 65°C and down to -10°C outdoor air temperature. With low ambient air kit, the unit can provide up to 55°C down to -20°C outdoor air temperature.

## Unique compressor technology

Flex HP HT features a unique compressor technology for heat pumps applied in low ambient air conditions.

The Cooling provided by inter-stage injection allows the operation of the compressor over a larger envelope compared to a conventional single-stage scroll compressor, providing higher heat delivery temperatures at low evaporating temperatures.

More heat is also delivered with a higher COP compared to a conventional cycle.



## Range description

- Trane FLEX HP HT chillers are available with/without hydraulic module and built in water tank. The units can be customized with many factory-mounted options and accessories.

## Technical specifications

<b>Cooling capacity</b>	50-144 kW
<b>Heating capacity</b>	54-154 kW
<b>Eurovent certification</b>	●
<b>ErP Certification</b>	●
<b>Refrigerants</b>	R410A
<b>Operating mode</b>	Heat pump
<b>Energy saving</b>	----
<b>Compressor</b>	Scroll

## Product data

### FLEX HP HT Super low noise

	Pc (1) kW	Pec (1) kW	EER (1)	Ph (2) kW	Peh (2) kW	COP (2)	SCOP (3)	$\eta_{sh}$ (3) %	LwO (4) dB(A)	L (5) mm	W (5) mm	H (5) mm	OW (5) kg
<b>FLEX HP HT 50 S</b>	49,5	19,7	2,52	51,7	17,8	2,91	2,90	113,0	81	2558	1100	2090	806
<b>FLEX HP HT 60 S</b>	57,1	22,2	2,57	59,2	20,1	2,95	2,86	111,0	82	2558	1100	2090	856
<b>FLEX HP HT 70 S</b>	66,3	23,6	2,81	66,8	21,5	3,11	3,08	120,0	82	2558	1100	2090	911
<b>FLEX HP HT 75 S</b>	72,6	27,0	2,69	73,7	24,1	3,06	3,05	119,0	82	2558	1100	2090	915
<b>FLEX HP HT 85 S</b>	83,0	33,1	2,51	87,6	29,7	2,95	2,87	112,0	83	3599	1100	2205	1280
<b>FLEX HP HT 95 S</b>	92,4	38,5	2,40	98,2	33,9	2,90	2,84	111,0	83	3599	1100	2205	1350
<b>FLEX HP HT 110 S</b>	107,9	41,5	2,60	113,5	37,6	3,02	2,98	116,0	84	3599	1100	2205	1444
<b>FLEX HP HT 130 S</b>	128,1	46,7	2,74	132,5	43,9	3,02	2,99	117,0	85	2558	2200	2205	1508
<b>FLEX HP HT 140 S</b>	134,7	50,1	2,69	140,0	46,0	3,04	3,02	118,0	85	2558	2200	2205	1514
<b>FLEX HP HT 145 S</b>	141,4	53,6	2,64	146,9	48,8	3,01	3,00	117,0	85	2558	2200	2205	1519

Pc: Cooling capacity

Ph: Heating capacity

SCOP: Seasonal Coefficient Of Performance

L: Length

OW : Operating Weight

Pec: Total power input in cooling

Peh: Total power input in heating

$\eta_{sh}$ : Seasonal space heating energy efficiency

W: Width

EER: Energy Efficiency Ratio (cooling)

COP: Coefficient Of Performance (heating)

LwO: A-weighted sound power level outside

H: Height

(1): Cooling: outdoor air temperature 35°C and chilled water temperature 12°C/7°C. (EN 14511:2022)

(2): Outdoor air temperature 7°C - hot water temperature in/out 40/45°C. (EN 14511:2022)

(3): Ecodesign rating for Heat pump space heaters, medium temperature.

Outdoor air temperature: 7°C dry bulb/6°C wet bulb and hot water temperature in/out: 47°C/55°C. 2016/2281 of 20 December 2016.

(4): Sound data according to ISO 9614 (without hydraulic module)

(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).