

Thermia Comfort



The heat pump that provides reduced heating costs as well as inexpensive cooling.

Thermia Comfort is a cost efficient heat pump for best possible indoor comfort, heating in the winter and cooling in the summer and heated water all the year round.

Thermia Comfort is a complete heating installation with a capacity range of 5,5-16.5 kW, a 6 kW electric heating module for additional heat requirements, a microprocessor control unit and a 150 litre water heater.

With an extra sub-cooler mounted after the condenser the heat pump can extract additional energy meaning improved efficiency.

Thermia Comfort provides not only cheap heating but also pleasant coolness in the summer. This is made possible by running the circulating pumps (approx 90 watt) with cooling from the drill hole of the existing system, or in a fan convector if desired. The room sensor allows you to raise or lower the temperature.

You can also connect Thermia Comfort to your PC using Thermia Supervision. This will provide direct information about the operational status and allow you to adjust your installation.



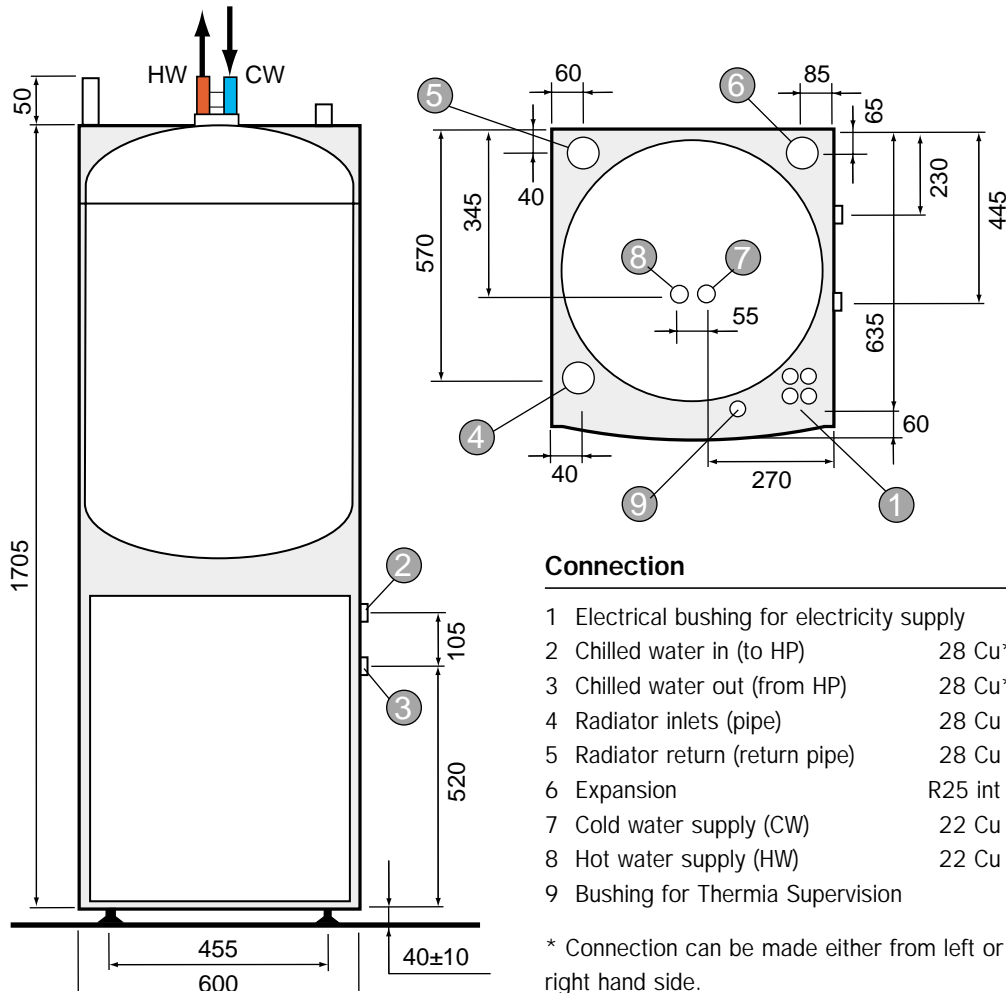
Choose Thermia Comfort if you need a complete installation for indoor climate.

Thermia Comfort



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Connection

- | | |
|---|---------|
| 1 Electrical bushing for electricity supply | |
| 2 Chilled water in (to HP) | 28 Cu* |
| 3 Chilled water out (from HP) | 28 Cu* |
| 4 Radiator inlets (pipe) | 28 Cu |
| 5 Radiator return (return pipe) | 28 Cu |
| 6 Expansion | R25 int |
| 7 Cold water supply (CW) | 22 Cu |
| 8 Hot water supply (HW) | 22 Cu |
| 9 Bushing for Thermia Supervision | |

* Connection can be made either from left or right hand side.

Passive cooling

The cooling capacity from the drill hole is 20-40 W/m depending on the ground water flow of the hole.

Part No

Thermia Comfort 55	6 kW	1411-53600-A00
Thermia Comfort 75	6 kW	1411-53600-B00
Thermia Comfort 105	6 kW	1411-53600-C00

Technical data Thermia Comfort

Model	55	75	105
Refrigerant R404A, kg	1,4	1,7	1,8
Mains, voltage	400V 3-N		
Rated input, kW	8	8,6	9,6
Electric heating module, kW	6	6	6
Weight, kg	285	285	290
Output capacity*, kW	5,4-5,0	7,2-7,1	10,2-9,4
Coeff. of perfor. *, COP	4,2-2,8	4,4-3,0	4,6-3,0
Starting current LRA, A	22	29	29
Fuse, A	16	16	16
Nominal flow			
- chilled water, l/sec	0,3	0,5	0,6
- heat carrier, l/sec	0,1	0,2	0,3
External available pressure			
- chilled water, kPa	37	19	42
- heat carrier, kPa	50	41	30
Water heater volume, l	150	150	150

* As per EN 255 for chilled water in / heat carrier out at 0/35°C and 0/50°C (incl circulating pump).

Chilled water – water with antifreeze liquid for temperatures between -15 and -20°C.

Max and min temperatures for chilled water in are 20/-10°C.