

Thermia Eko



The combinable heat pump

Thermia Eko is the ideal choice for large hot water demands, as a complement to an existing boiler or when the available height for installation is limited. You combine the heat pump and boiler by using the boiler to meet peak requirements and allowing the heat pump to produce both heat and hot water. If you want to replace the boiler entirely, Thermia Eko can be equipped with an immersion heater. The same solution can also be used for installations in new homes.

Thermia Eko is available in five sizes, with outputs from 5.5 to 18 kW. The model is as standard equipped with a sub-cooler, which creates even more heat. The quiet, reliable scroll compressor is standard equipment on all Thermia heat pumps.

Thermia Eko is equipped with a microprocessor control unit and flexible hoses on both the collector side and the radiator side.

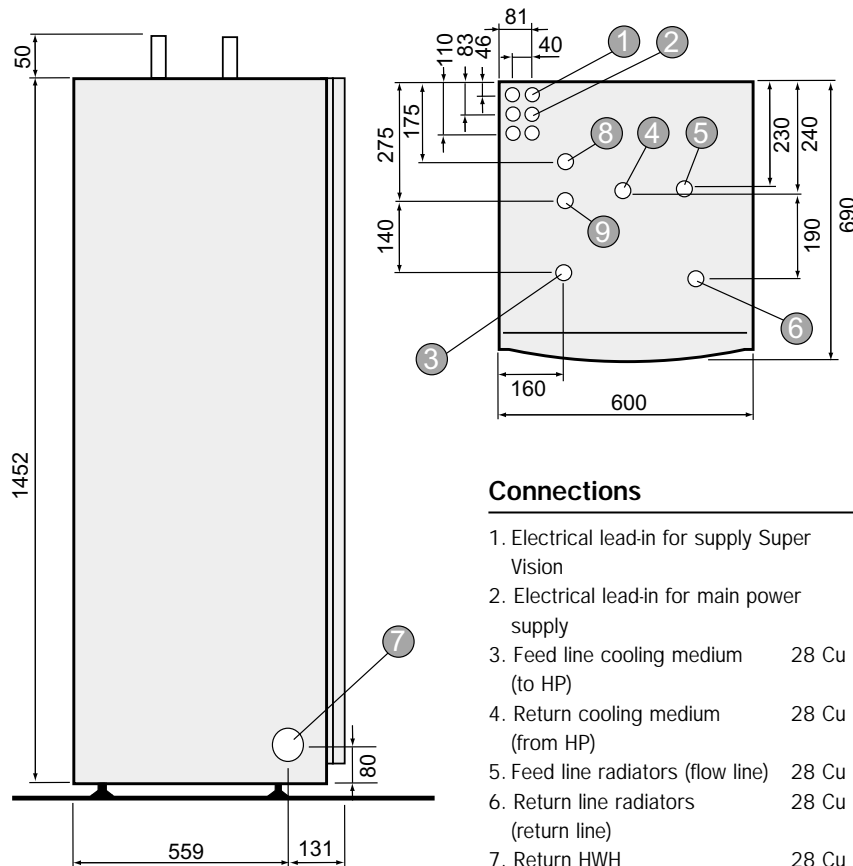
The collector side of the heat pump has built-in dirt filters and filler valve. There is a soft-start function on the three largest models. For high demands on hot water capacity, the two largest models can be equipped with a de-superheater, which further increases the hot water temperature.

Our production is ISO-9001 certified.



Thermia Eko in combination with Thermia Mbh, hot water tank.

Thermia Eko



Connections

1. Electrical lead-in for supply Super Vision
 2. Electrical lead-in for main power supply
 3. Feed line cooling medium 28 Cu (to HP)
 4. Return cooling medium 28 Cu (from HP)
 5. Feed line radiators (flow line) 28 Cu
 6. Return line radiators (return line) 28 Cu
 7. Return HWH 28 Cu
 8. De-superheater (feed) 28 Cu
 9. De-superheater (return) 28 Cu
- Pos. 8-9 refer to Model Eko M.

Accessories

Power limiter 101	9588-52806001	Immersion heater	
Room sensor	9588-52071001	6 kW internal	1235-27112B00
Wireless room sensor	9588-52548001	Immersion heater	
Soft-start on Mod. 75	7588-51864002	9 kW internal	1235-27112C00

Technical data Thermia Eko

Model	55	75	105	155	180
Refrigerant R404A, kg	1,4	1,7	1,8	2,2	2,5
Mains, V	400V 3-N				
Rated input, kW	2,5	3	4	6	7
Weight, kg	140	145	150	160	180
Output capacity**, kW	5,4-5,0	7,2-7,1	10,2-9,4	15,6-14,7	17,7-16,5
Coefficient of performance**, COP	4,2-2,8	4,4-3,0	4,6-3,0	4,3-3,0	4,5-3,3
Starting current LRA, A	22	29	29	29	29
Fuse, A	10	10	10	16	16
Nominal flow					
- cooling medium, l/sec	0,3	0,5	0,6	0,9	0,95
- heat medium, l/sec	0,1	0,2	0,3	0,4	0,5
External available pressure					
- cooling medium, kPa	37	19	42	125	102
- heat medium, kPa	50	41	30	50	40

** In accordance with EN 255 for cooling medium in/heating medium out 0/35°C and 0/50°C. The power required to run the circulation pumps is included.

Cooling medium – water with anti-freeze for -15 – -20°C.
Max. and min. temp. for cooling medium in: 20 and -10°C.

When combined with an immersion heater, fuse size changes.

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