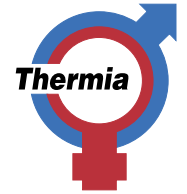


Thermia Atria



The air/water heat pump that provides heating and hot water

Thermia Atria harnesses the solar energy found in outdoor air. Its heart is the heat pump inside the house. Together with an air module outside your house, you have a complete solution for space heating and hot water.

With Thermia Atria you have a very simple and quick installation. Thanks to the use of latest technologies, Thermia Atria has many convenient features: The advanced scroll compressor, the built-in immersion heater and the easy to use controller are only some examples.

For those who use a lot of hot water Thermia Atria makes an excellent choice as it has a built-in 180 litre water tank. The new TWS technology heats the water faster and uses less energy than traditional methods for producing hot water.

All essential components are located in the heat pump, which is installed indoors. This means that they are not exposed to the wind and weather, there are no heat losses outside the house.

To maintain high efficiency at low temperatures the outdoor module must be defrosted. With Thermia Atria, defrosting is carried out automatically as required – it is activated only when needed and for just as long as necessary – which minimizes the energy needed to keep the outdoor module free of ice.

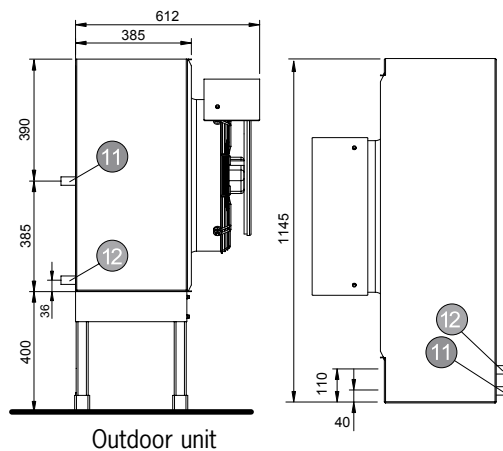
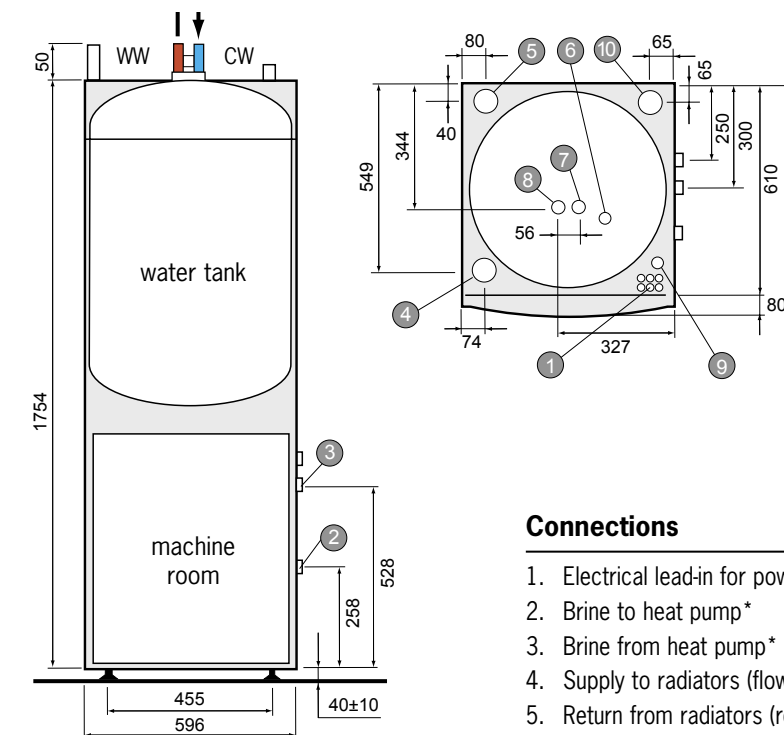
The new Thermia Online monitoring system (accessory) lets you regulate the heat pump through the Internet.

Thermia Atria



Thermia Värme AB
 Box 950
 SE-671 29 Arvika
 Sweden
 Tel. +46 570 813 00
 Fax. +46 570 176 16

www.thermia.com



Connections

1. Electrical lead-in for power supply
2. Brine to heat pump* 28 Cu
3. Brine from heat pump* 28 Cu
4. Supply to radiators (flow line) 28 Cu
5. Return from radiators (return line) 28 Cu
6. Expansion R25 int.
7. Cold water connection (cw) 22 Cu
8. Hot water connection (hw) 22 Cu
9. Lead-in for Thermia Online cable
10. Expansion socket outer sleeve R25 int.
11. Brine in (from hp)
12. Brine out (to hp)

* Connection can be made either from right or left.

Pipe between heat pump and outdoor unit max 60 m (30 m from and to the outdoor unit)

Technical data Thermia Atria

Model	6	8	10	12
Refrigerant typ	R404A	R404A	R404A	R404A
Refrigerant, kg	0,95	1,45	1,50	1,60
Mains supply, V	400V 3-N	400V 3-N	400V 3-N	400V 3-N
Rated input, compressor kW	2,0	2,3	3,6	4,4
Compressor + electr. heater ¹⁾	5,0/8,0/11,0	5,3/8,3/11,3	6,6/9,6/12,6	7,4/10,4/13,4
Immersion heater, kW	3/6/9/12/15	3/6/9/12/15	3/6/9/12/15	3/6/9/12/15
Fuse, A ²⁾	10/16/20	16/16/20	16/16/20	16/20/25
Fuse, A cont.	20/25	20/25	20/25	25/25
Output capacity, kW ³⁾	6,7/6,1	9,4/8,4	11,3/10,1	13,1/11,9
Coeffi. of performance, COP ³⁾	3,4/2,4	3,8/2,7	3,5/2,6	3,7/2,7
Lowest outdoor temperature with compressor operation	-20°C	-20°C	-20°C	-20°C
Noise level, dB(A) ⁴⁾				
- 1 m from outdoor unit	45/51	45/51	51/61	51/61
- 5 m from outdoor unit	31/37	31/37	37/47	37/47
- 10 m from outdoor unit	25/31	25/31	31/41	31/41
- 15 m from outdoor unit	21/27	21/27	27/37	27/37
Nominal flow				
- cooling medium, l/s	0,32	0,49	0,58	0,66
- heating medium, l/s	0,15	0,21	0,25	0,29
External available pressure ⁷⁾				
- cooling medium, kPa	30	22	50	43
- heating medium, kPa	45	42	43	52
Weight heat pump/outdoor unit, kg	260/80	260/80	260/80	268/80

1) Heat pump with 3/6/9 kW electrical heater

2) Heat pump with 3/6/9/12/15 kW electrical heater (compressor operation only with 3/6/9 possible)

3) At outdoor temperature/heating medium out 7/35°C and 7/50°C (incl. circulation pump and fan)

4) Noise level according to EN ISO 3744