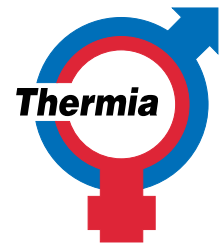


Thermia Atella



Atella

The efficient and flexible air/water heat pump

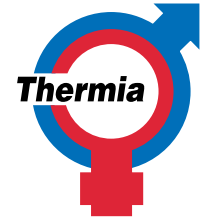
Thermia Atella is a fully flexible air/water heat pump that operates at high performance. Energy is taken from outdoor air, and the Thermia Atella can operate even down to temperatures as low as -16°C .

When investing in a heat pump it's essential to look at the needs of your home before choosing a model. With Atella you are given the possibility to connect the heat pump to your existing heating system, or parts of it, for example the water heater. If you need a complete solution, you can easily supplement your Atella with the parts you need. Your installer can offer a specially adapted indoor kit to obtain maximal efficiency.

Thermia Atella consists of only two major units, the outdoor heat pump and the indoor control unit, which makes installation quick and smooth. And since the heat pump is located outside, it will not occupy any indoor space.



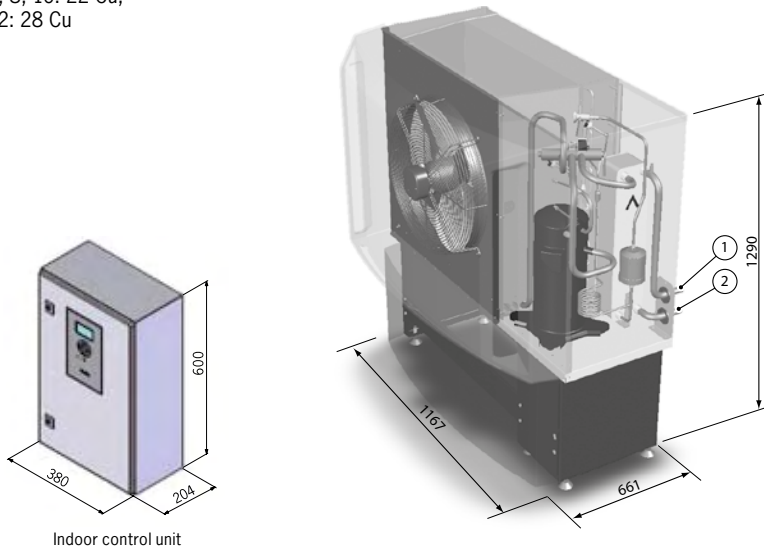
Technical data Atella



Connection

The stand shown in the image is an accessory.

- 1 Supply line heating system,
Atella 6, 8, 10: 22 Cu,
Atella 12: 28 Cu
- 2 Return line heating system,
Atella 6, 8, 10: 22 Cu,
Atella 12: 28 Cu



Indoor control unit

Atella			6	8	10	12
Refrigerant	Type		R407C	R407C	R407C	R407C
	Amount	kg	1.6	1.6	2.5	2.7
	Test pressure	MPa	3.4	3.4	3.4	3.4
	Design pressure	MPa	3.1	3.1	3.1	3.1
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Oil		POE	POE	POE	POE
Electrical data 3-N, -50Hz	Main supply	Volt	400	400	400	400
	Rated power, compressor	kW	2.0	2.3	3.6	4.4
	Rated power, fan	kW	0.3	0.3	0.3	0.3
	Start current	A	12	10	18	17
	Circuit breaker	A	10	10	16	16
Electrical data 1-N, -50Hz	Main supply	Volt	230	230	230	230
	Rated power, compressor	kW	3.3	4.2	5.4	5.7
	Rated power, fan	kW	0.3	0.3	0.3	0.3
	Start current	A	11	21	26	28
	Circuit breaker	A	20	20	25	32
Performance⁶	COP ¹		4.37	4.47	4.47	4.26
	COP ²		3.81	3.99	4.05	3.81
	Heating capacity ²	kW	6.20	7.93	10.2	11.2
	Power input ²	kW	1.6	2.0	2.5	2.9
Nominal flow³	Heating circuit	l/s	0.15	0.19	0.24	0.27
Lowest outdoor temperature allowed for compressor start		°C	-16	-16	-16	-16
Max temperature⁴	Heating circuit	°C	60	60	60	60
Pressure switches	Low pressure	MPa	0.03	0.03	0.03	0.03
	Operating	MPa	2.85	2.85	2.85	2.85
	High pressure	MPa	3.10	3.10	3.10	3.10
	Fan speed	rpm	890	890	890	940
	Air flow	m ³ /h	3667	3667	3667	4045
Sound power level low/high	Outdoor unit ⁵	dB(A)	68	68	68	70
Weight	Outdoor unit	kg	108	113	123	140
	Control unit	kg	18	18	18	18

The measurements are performed on a limited number of heat pumps which can cause variations in the results. Tolerances in the measuring methods can also cause variations.

1) At A7W35 Δ10K warm side.
2) At A7W35 according to EN 14511.
3) Nominal flow: heating circuit Δ10K.

4) At minimum outdoor temperature 0°C.
5) According to ISO 3741.
6) The values apply to a new heat pump with clean heat exchangers.

Thermia Värme AB reserves the right to make changes without further notice. 100412_Atella_ENG