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.

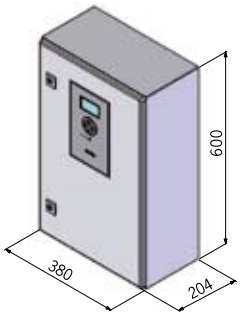
Thermia Atella consists of only two major units, the outdoor heat pump and the indoor control unit, which makes installation quick and smooth. And since the heat pump is located outside, it will not occupy any indoor space.

Technical data Atella

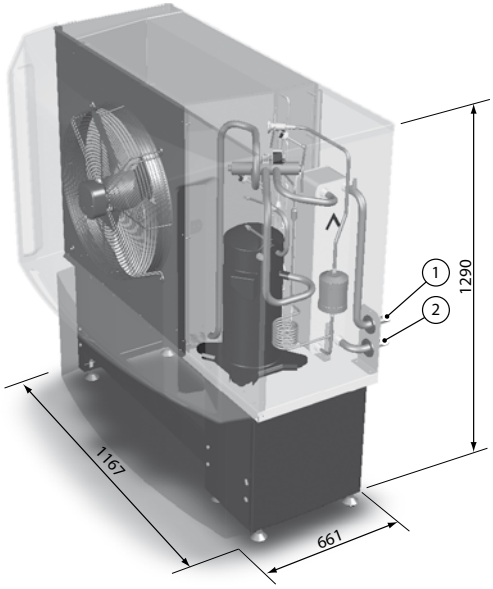
Connection

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	SP6	SP8	SP10	SP12
Refrigerant, R407C	1.6 kg	1.6 kg	2.5 kg	2.5 kg	1.6 kg	1.6 kg	2.5 kg	2.5 kg
Mains supply	400 V	400 V	400 V	400 V	230 V	230 V	230 V	230 V
Rated power, compressor	2.0 kW	2.3 kW	3.6 kW	4.4 kW	3.3 kW	4.2 kW	5.4 kW	5.7 kW
Rated power, fan	0.3 kW	0.3 kW	0.3 kW	0.3 kW	0.3 kW	0.3 kW	0.3 kW	0.3 kW
Start current	16 A	17 A	22 A	22 A	56 A	76 A	97 A	108 A
Circuit breaker	10 A	10 A	16 A	16 A	20 A	20 A	25 A	32 A
Heat factor COP[1)]	4.37	4.47	4.47	4.26	4.37	4.47	4.47	4.26
Heat factor COP[2)]	3.81	3.99	4.05	3.81	3.81	3.99	4.05	3.81
Heating capacity[2)]	6.2 kW	7.9 kW	10.2 kW	11.2 kW	6.2 kW	7.9 kW	10.2 kW	11.2 kW
Lowest outdoor temperature allowed for compressor start	–16°C	–16°C	–16°C	–16°C	–16°C	–16°C	–16°C	–16°C
Max temperature[3)]	60°C	60°C	60°C	60°C	60°C	60°C	60°C	60°C
Fan speed outdoor unit, nominal free-blowing	890 rpm	890 rpm	890 rpm	940 rpm	890 rpm	890 rpm	890 rpm	940 rpm
Air flow	3667 m³/h	3667 m³/h	3667 m³/h	4045 m³/h	3667 m³/h	3667 m³/h	3667 m³/h	4045 m³/h
Sound pressure level away from outdoor unit[4)]	1 m/59.7 dB(A) 4 m/47.7 dB(A) 8 m/41.7 dB(A) 16 m/35.6 dB(A)	1 m/59.8 dB(A) 4 m/47.8 dB(A) 8 m/41.8 dB(A) 16 m/35.7 dB(A)	1 m/60.1 dB(A) 4 m/48.1 dB(A) 8 m/42.1 dB(A) 16 m/36.0 dB(A)	1 m/62.0 dB(A) 4 m/50.0 dB(A) 8 m/44.0 dB(A) 16 m/38.0 dB(A)	1 m/59.7 dB(A) 4 m/47.7 dB(A) 8 m/41.7 dB(A) 16 m/35.6 dB(A)	1 m/59.8 dB(A) 4 m/47.8 dB(A) 8 m/41.8 dB(A) 16 m/35.7 dB(A)	1 m/60.1 dB(A) 4 m/48.1 dB(A) 8 m/42.1 dB(A) 16 m/36.0 dB(A)	1 m/62.0 dB(A) 4 m/50.0 dB(A) 8 m/44.0 dB(A) 16 m/38.0 dB(A)
Weight	110 kg	110 kg	115 kg	140 kg	110 kg	110 kg	115 kg	140 kg

1) At A7/W35 Δ 10K warm side (excluding circulation pumps). **2)** At A7/W35 according to EN14511. **3)** At an outdoor temperature from 0°C and more.
4) Sound pressure calculated by assuming semi-spherical propagation from point source.

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