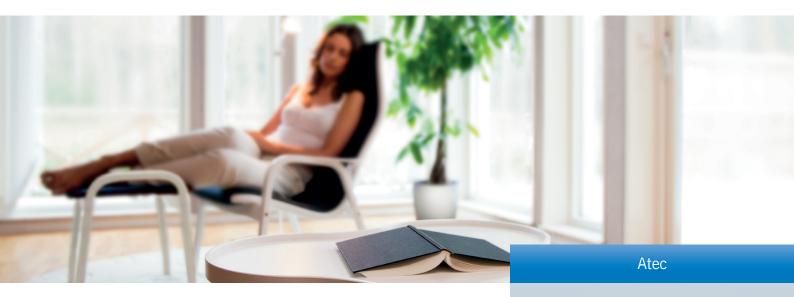
## Thermia Atec





The air/water heat pump that delivers maximum performance and comfort, year round.

Thermia Atec sets a new standard for air/water heat pumps.

With a superior seasonal performance\* Thermia Atec delivers maximal energy savings. By a unique acoustic design, it is very quiet in operation. The cooling function assures a pleasant indoor climate also during the hottest period of the year. And if you have a swimming pool, you can reduce the heating cost significantly as Thermia Atec is prepared for heating of pools.

Thermia Atec is developed using the latest technology. The energy consumption is put to a minimum by continually optimizing the three key performance parameters of air flow (variable-speed EC fan), heating circuit flow (electronic expansion valve) and heat distribution flow (Optimum technology). Energy is collected from the outdoor air, and is used to heating of hot water and hydronic heating systems, delivering efficient energy savings at temperatures as low as -20 °C. This means you can reduce your energy consumption for heating by up to 75 percent.

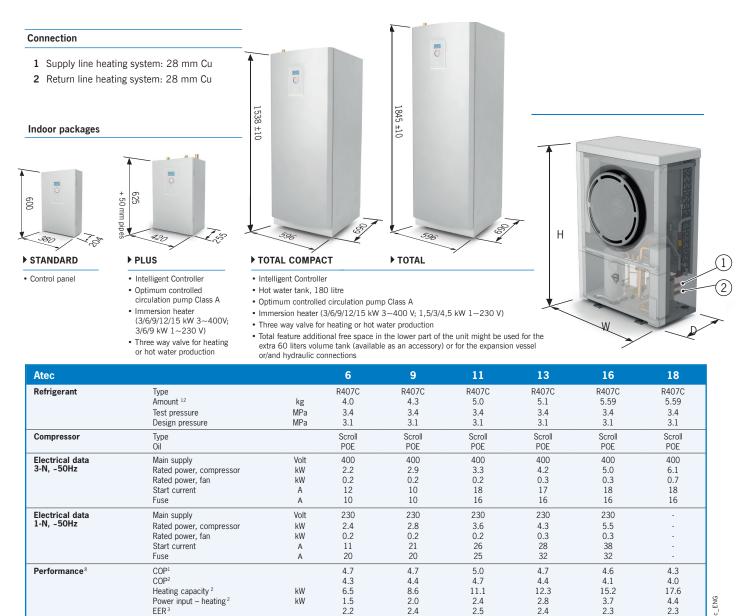
Thermia Atec is available in a range of output sizes, and can be combined from 6 to 36 kW. It consists of two parts: the heat pump itself, which is installed outdoors, and an indoor unit. You can choose from three versions of the indoor unit, each with different features. The choice of unit depends on the set-up of your heating system, to ensure you never pay for more than you actually need.





A++ energy class when the heat pump is part of an integrated system, applies to Atec 13 A++ energy class when the heat pump is the sole heat generator, applies to Atec 13 Energy class according to Eco-design Directive 811/2013

## Technical data Atec



Outdoor unit (Width x Depth x Height) 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.

methods can also cause variations.
\* Seasonal performance is a measure of a heat pump's efficiency, on a yearly basis, incorporating hold and cold periods and the production of hot tap water.
1) At A7/W35 Δ10K warm side. (EN 255)
2) At A7/W35 according to EN 14511.

EER<sup>3</sup>

Cooling capacity <sup>3</sup>

Domestic hot water

Heating circuit

Heating circuit

Low pressure

High pressure

Regular mode

'Silent mode"

Regular mode<sup>3</sup>

"Silent mode"

Outdoor unit

Total (+60)9

Total Compact

Standard

Plus

Total

Operating

Power input - cooling<sup>3</sup>

Floor heating (35°C)/Radiator (55°C)

Floor heating (35°C)/Radiator (55°C)

Energy class - system 10

Energy class - product 11

Operating range (outdoor)

Nominal flow 4

Max temperature

Pressure levels

Sound power level

Weight

Dimensions

Sound pressure level

3) At A35/W7 according to EN14511

2.5

7.5

3.0

A++/A+

A++/A+

А

0.263

-20~+45

60

0.05

2.85

3.1

61

60

46

44

150

18

21

106

142

100

2.4

8.9

3.7

A++/A++

A+/A++

А

0.299

-20~+45

60

0.05

2.85

3.1

62

61

47

46

155

18

21

106

142

100

10.4

4.5

A++/A+

A++/A+

R

0.372

-20~+45

60

0.05

2.85

3.1

66

64

51

48

185

18

21

13.1

5.7

A+/A+

A+/A+

В

0.432

-20~+45

60

0.05

2.85

3.1

76

71

61

55

191

18

21

2.4

5.9

2.5

A+/A++

A+/A++

А

0.216

-20~+45

60

0.05

2.85

3.1

61

59

46

44

131

18

21

106

142

100

2.2

4.2

1.9

A+/A+

A+/A+

R

0.150

-20~+45

60

0.05

2.85

3.1

61

60

46

45

125

18

21

106

142

100

I/s

°C

°C

MPa

MPa

MPa

dB(A)

dB(A)

dB(A)

dB(A)

kg

kg

kg

kg

kg

kg

mm

A1 A35/W1 according to EN14511.
 Nominal flow: heating circuit A10K.
 At outdoor temperature 0°C.
 According to SSEN 12102, ENISO 3741.
 According to ISO 11203, cuboid-shaped measuring surface.
 The values apply to a new heat pump with clean heat exchangers.
 Builtin tank 60-litre volume version, used when the building's heating system requires extra volume.

10) When the heat pump is part of an integrated system. According to Eco-design Directive 811/2013 11) When the heat pump is the sole heat generator and the built-in controller is not included. According to Eco-design Directive 811/2013. 12) The refrigerant circuit is hermetically sealed and subject to the F-gas directive. Global Warming Potential (GWP) for R407C according to EC 517/2014 is 1774, giving a CO<sub>2</sub> equivalent corresponding to represent the sole of the so to Eco-design Directive 811/2013. 12) The refrigerant circuit is hermetically sealed and subject to the F-gas directive. Global Warming Potential (GWP) for R4072 according to EC 517/2014 is 1774, giving a CO<sub>2</sub> equivalent corresponding to: 6: 7096kg, 9: 7628kg, 11: 8870kg, 13: 9047kg, 16: 9934kg 18: 9934kg

856x510x1272 856x510x1272 1016x564x1477 1016x564x1477 1166x570x1557 1166x570x1557

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