

Thermia Aer



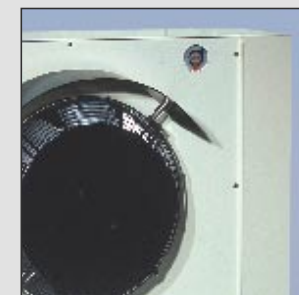
Efficient air-source heat pump.

Thermia Aer harnesses the solar energy found in outdoor air. The core is a heat pump inside your house. Together with a defrosting unit next to the heat pump and an air module outside your house, you have a complete heating solution. With Thermia Aer there is no need for a bore hole, soil or water collectors and the installation is quick and simple.

In cold weather conditions ice can form on the outdoor module. To defrost the unit a warm fluid is circulated through the air module and the defrosting is ready within only a few minutes. The cycle is controlled and activated through a defrost-on-demand-system which reduces the energy needed for defrosting to a minimum.

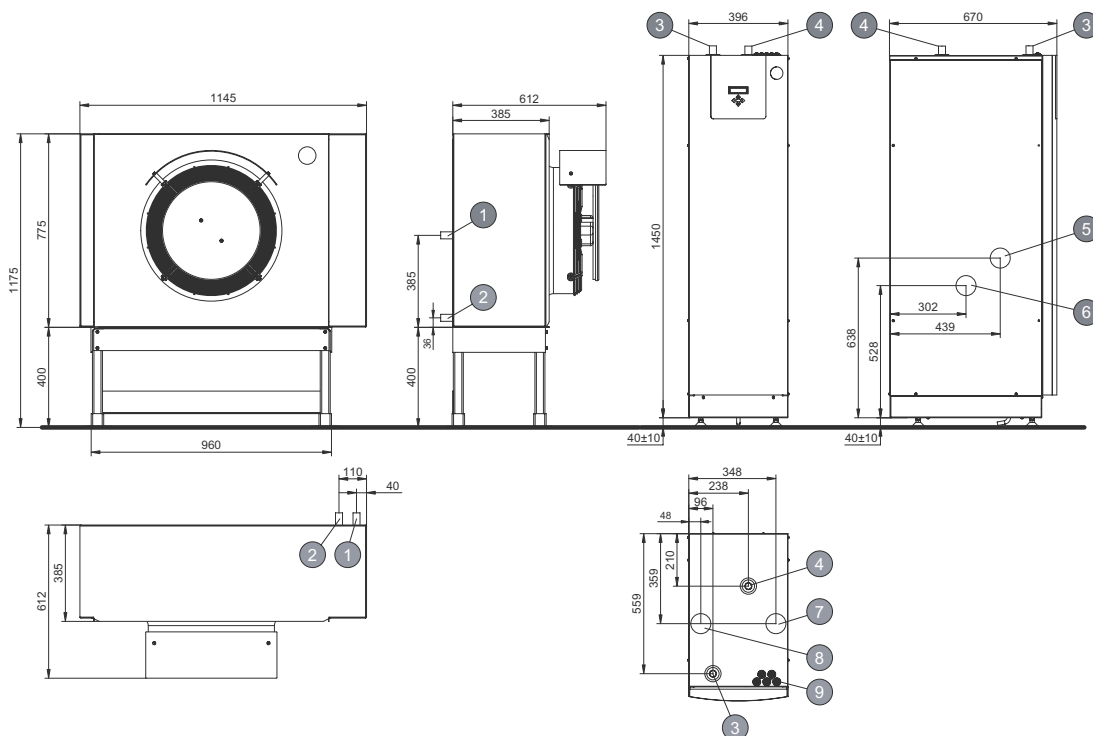
The fan speed of the air module outside the house is controlled by the outdoor temperature.

Thermia Aer is available in two sizes, Aer 3 for heat pump capacity up to 8 kW and Aer 5 for heat pump capacity up to 10 kW.



On-demand defrosting is a standard feature of Thermia Aer.

Thermia Aer



Connections

1 Cooling medium in (from HP out)	28 Cu
2 Cooling medium out (to HP in)	28 Cu
3 Inlet, tank (from HP Rad. out)	28 Cu
4 Feed line radiator system (connected to supply line on radiator system)	28 Cu
5 "Knock out" for cooling medium in (Diplomat/Villa)*	
6 "Knock out" for cooling medium out (Diplomat/Villa)*	
7 "Knock out" for cooling medium (Duo/Eko)	
8 "Knock out" for cooling medium (Duo/Eko)	
9 Bushing for electricity supply	

*) Connection can be made either from left or right-hand side.

Article number

Thermia Aer 3	0200-55222A00
Thermia Aer 5	0200-55222B00

Technical data Thermia Aer

Model	3	5
Rated output, kW ¹⁾	8,1/7,9 ²⁾	10,1/9,9 ³⁾
Fan speed, number of speeds 2, rpm	340/575	575/925
Power supply, V	230V 1-N	230V 1-N
Fuse, A	10	10
Electric element, kW ⁴⁾	400V 3-N	400V 3-N
Fuse, electric element, A ⁴⁾	10	10
Air flow m ³ /h ⁵⁾	1600/3000	3000/4500
Noise level 1 m from the unit dB(A) ⁵⁾	45/51	51/61
Noise level 5 m from the unit dB(A) ⁵⁾	31/37	37/47
Noise level 10 m from the unit dB(A) ⁵⁾	25/31	31/41
Noise level 15 m from the unit dB(A) ⁵⁾	21/27	27/37
Weight, outdoor unit, kg	80	80
Weight, indoor unit, kg	80	80

¹⁾ At outdoor temperature / heating medium +7°C / 35°C and +7°C / 50°C (excluding circulation pumps).

²⁾ Thermia Aer 3 together with Thermia Diplomat 8.

³⁾ Thermia Aer 5 together with Thermia Diplomat 10.

⁴⁾ The electric element, either 3 or 6 kW, is available as an accessory.

⁵⁾ Measured at low/high speed.

All technical data are preliminary and subject to change.

Thermia Värme AB

Box 950
671 29 Arvika
Sweden
Tel. +46 570 813 00
Fax. +46 570 144 10

www.thermia.com