

Thermia Diplomat Diplomat Duo



Diplomat



Diplomat Duo



Efficient and reliable.

The **Thermia Diplomat** is an efficient and reliable heat pump. An ideal heating system for homes where easy maintenance and low running costs are important. The pump's high annual efficiency, which is a measurement of the heat pump's efficiency over the whole year, means that you can reduce your heating costs by more than 75 percent.

The hot water tank is fitted with our TWS* technique, which means that the hot water is produced faster and at higher temperatures than with traditional technique.

The pump utilises rock, surface ground, ground water or lake water as its heat sources.

Using the Thermia Online optional feature, you can control your heat pump via the Internet. In the unlikely event that something needs rectifying, you will be alerted automatically via SMS text message or e-mail.

The **Thermia Diplomat Duo** is a variant Thermia Diplomat. Thermia Diplomat Duo does not have an integrated hot water tank which makes it a good choice if you have a low ceiling height. A separate hot water tank (Thermia MBH) is available in volumes of 200 and 300 litres.

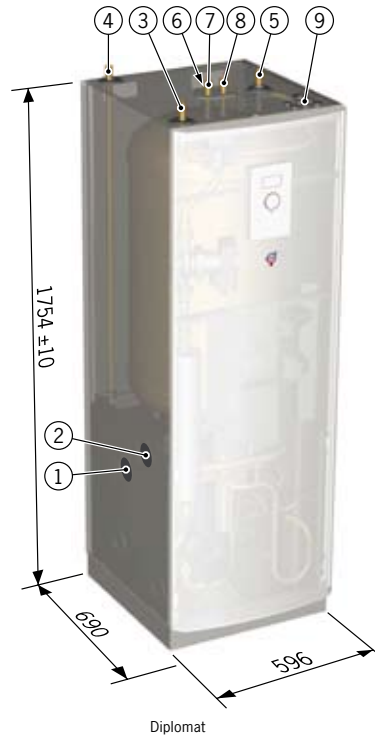
* TWS = Patented heating technique for water heaters, developed by Thermia.

Technical data Diplomat Diplomat Duo

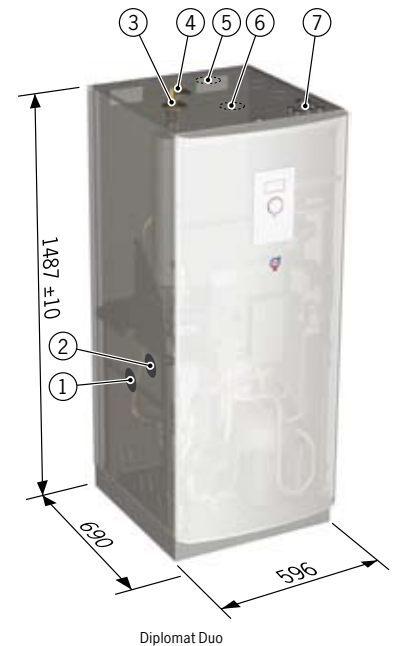
Connection Diplomat

The brine lines can be connected on either the left or right-hand sides of the heat pump.

- 1 Brine return line (Brine in), 28 Cu
- 2 Brine supply line (Brine out), 28 Cu
- 3 Heating system supply line, 22 Cu: 4-10 kW, 28 Cu: 12-16 kW
- 4 Heating system return line, 22 Cu: 4-10 kW, 28 Cu: 12-16 kW
- 5 Expansion pipe, 22 Cu
- 6 Lifting point
- 7 Hot water pipe, 22 Cu or stainless steel
- 8 Cold water pipe, 22 Cu or stainless steel
- 9 Lead-in for incoming power supply, sensors and communication cable



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- 1 Brine return line (Brine in), 28 Cu
- 2 Brine supply line (Brine out), 28 Cu
- 3 Heating system supply line, 22 Cu: 4-10 kW, 28 Cu: 12-16 kW
- 4 Heating system return line, 22 Cu: 4-10 kW, 28 Cu: 12-16 kW
- 5 Alternative for brine supply
- 6 Alternative for brine return
- 7 Lead-in for incoming power supply, sensors and communication cable

Diplomat	6	8	10	12	16	ES6	ES8	ES10	ES12
Refrigerant, R407C	1.2 kg	1.3 kg	1.45 kg	1.55 kg	2.0 kg	1.2 kg	1.3 kg	1.45 kg	1.55 kg
Mains supply	400V 3-N	400V 3-N	400V 3-N	400V 3-N	400V 3-N	230V 1-N	230V 1-N	230V 1-N	230V 1-N
Auxiliary heater	3/6/9 kW	3/6/9 kW	3/6/9 kW	3/6/9 kW	3/6/9 kW	1.5/3/4,5 kW	1.5/3/4,5 kW	1.5/3/4,5 kW	1.5/3/4,5 kW
Output capacity ¹⁾	4.9 kW	7.2 kW	8.9 kW	10.7 kW	15.2 kW	4.9 kW	7.2 kW	8.9 kW	10.7 kW
Heat factor (COP) ¹⁾	2.79	3.08	3.17	3.12	3.16	2.79	3.08	3.17	3.12
Circuit breaker	10 ²⁾ /16 ³⁾ / 20 ⁴⁾ A	16 ²⁾ /16 ³⁾ / 20 ⁴⁾ A	16 ²⁾ /16 ³⁾ / 20 ⁴⁾ A	16 ²⁾ /20 ³⁾ / 25 ⁴⁾ A	20 ²⁾ /20 ³⁾ / 25 ⁴⁾ A	1x16A 10 ²⁾ /10 ³⁾ /16 ⁴⁾ A	20 ²⁾ /25 ³⁾ / 32 ⁴⁾ A	25 ²⁾ /32 ³⁾ / 40 ⁴⁾ A	32 ²⁾ /40 ³⁾ / 50 ⁴⁾ A
Volume, hot water heater	180 liter	180 liter	180 liter	180 liter	180 liter	180 liter	180 liter	180 liter	180 liter
Weight	229 kg	229 kg	229 kg	238 kg	242 kg	229 kg	229 kg	229 kg	238 kg
Diplomat Duo	6	8	10	12	16	ES6	ES8	ES10	ES12
Refrigerant, R407C	1.2 kg	1.3 kg	1.45 kg	1.55 kg	2.0 kg	1.2 kg	1.3 kg	1.45 kg	1.55 kg
Mains supply	400V 3-N	400V 3-N	400V 3-N	400V 3-N	400V 3-N	230V 1-N	230V 1-N	230V 1-N	230V 1-N
Auxiliary heater	3/6/9 kW	3/6/9 kW	3/6/9 kW	3/6/9 kW	3/6/9 kW	1.5/3/4,5 kW	1.5/3/4,5 kW	1.5/3/4,5 kW	1.5/3/4,5 kW
Output capacity ¹⁾	4.9 kW	7.2 kW	8.9 kW	10.7 kW	15.2 kW	4.9 kW	7.2 kW	8.9 kW	10.7 kW
Heat factor (COP) ¹⁾	2.79	3.08	3.17	3.12	3.16	2.79	3.08	3.17	3.12
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Weight	145 kg	150 kg	155 kg	165 kg	175 kg	145 kg	150 kg	155 kg	165 kg

- 1) Tested according to EN14511 at BOW45 (including circulation pumps) 2) Heat pump with 3 kW auxiliary heater (1-N 1.5 kW)
3) Heat pump with 6 kW auxiliary heater (1-N 3 kW) 4) Heat pump with 9 kW auxiliary heater (1-N 4.5 kW)