

# Thermia Duo



## Duo, the heat pump for flexible applications.

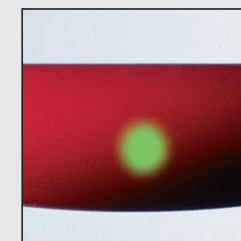
If you have a large hot water demand, Thermia Duo is the perfect choice as it is designed to be combined with a separate hot water tank. Separate tanks are available in the range of 160, 220 and 300 litres (Mbh) or 300, 500 or 1000 litres (Kbh). Thermia Duo has a built-in electric heater for additional heat requirements but can of course also be combined with external boilers. As Thermia Duo has a height of only 1452 mm it is suitable for installation in rooms with low ceilings.

Thermia Duo is an economical and reliable heat pump with high efficiency in the 6-16 kW output range (up to 25 kW incl. electric element). Thermia Duo can lower your heating costs by up to 80%. That makes for very attractive figures when you calculate the investment cost.

Thanks to the use of latest technologies, Thermia Duo has many convenient features. The advanced scroll compressor, specially developed for heat pumps, is one of them. The effective heat exchanger and sub-cooler that help to extract additional heat are two other examples.

With the new control and monitoring system Thermia Online (accessory), you can regulate the temperature just as you please, anytime, wherever you are and where there is an Internet connection. Via [www.thermia.com](http://www.thermia.com), you can control your indoor temperature, change settings, follow temperature changes and much, much more.

Thermia is certified according to ISO 9001.

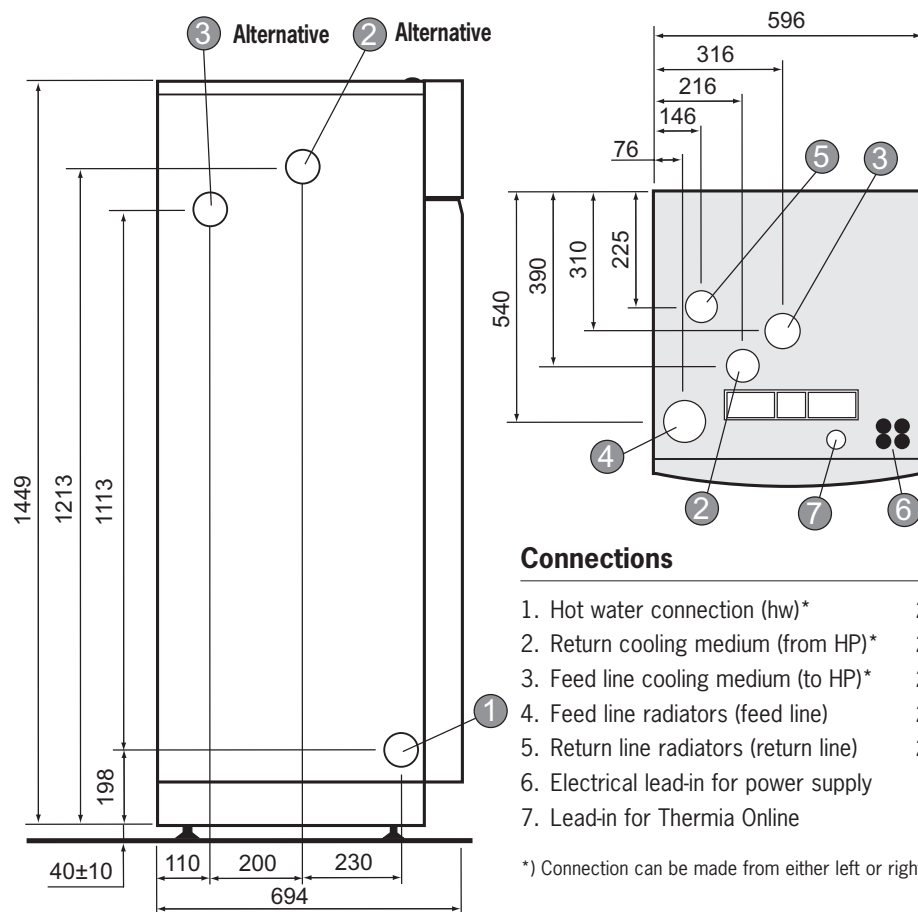


A green lamp indicates that everything is in order.

# Thermia Duo



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### Connections

- |  |       |
|--|-------|
| 1. Hot water connection (hw)*          | 22 Cu |
| 2. Return cooling medium (from HP)*    | 28 Cu |
| 3. Feed line cooling medium (to HP)*   | 28 Cu |
| 4. Feed line radiators (feed line)     | 28 Cu |
| 5. Return line radiators (return line) | 28 Cu |
| 6. Electrical lead-in for power supply |       |
| 7. Lead-in for Thermia Online          |       |

\*) Connection can be made from either left or right.

### Accessories

Online IT-package		Strainer 1 1/4"	5207-32150
Flexible hose	5211-50730A00	Filter ball 1"	9360-52488001
Strainer 1"	5207-25150	Room sensor	5206-54404001

### Technical data Thermia Duo

Model	6	8	10	12	16
Refrigerant type	R407C	R407C	R407C	R407C	R407C
Refrigerant, kg	1,1	1,25	1,6	1,7	1,8
Power supply, V	400V 3-N	400V 3-N	400V 3-N	400V 3-N	400V 3-N
Rated input, kW	Compressor 2,0 Compressor + element** 5,0/8,0/11,0	Compressor 2,3 5,3/8,3/11,3	Compressor 3,6 6,6/9,6/12,6	Compressor 4,4 7,4/10,4/13,4	Compressor 5,6 8,6/11,6/14,6
Immersion heater, kW	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9
Fuse, A**	10/16/20	16/16/20	16/16/20	16/20/25	20/20/25
Output capacity, kW*	5,78/5,52	8,13/7,73	9,54/9,24	11,12/10,53	16,61/15,78
Coefficient of performance COP*	4,2/3,1	4,6/3,4	4,4/3,3	4,5/3,3	4,4/3,2
Starting current LRA, A	20	35	39	40	66
Nominal flow					
- cooling medium, l/s	0,31	0,47	0,57	0,63	0,92
- heat medium, l/s	0,13	0,19	0,22	0,26	0,40
External available pressure					
- cooling medium, kPa	31	33	32	64	56
- heat medium, kPa	43	39	34	48	40

\*With cooling medium in/heat medium out at 0/35°C and 0/50°C.

\*\*Heat pump with 3, 6 or 9 kW element.