Thermia Elve



Powerful performance. Quietly delivered.

The Thermia Elve is a world-class air source heat pump for people who don't want to compromise on comfort and performance. The Elve heat pump is perfect for ensuring that your home is always warm and cosy and that there is plenty of hot water for the whole family, all year round, at low cost, even when it's really cold.

The heat pump is designed for exceptionally quiet operation and maintains a very low sound level even under high load. This provides greater flexibility when choosing where to install Elve.

The Elve is an excellent choice for those who want high volumes of hot water for the family. It can deliver up to 700 litres* of hot water, which is at the absolute top of the market and the hot water recharges very quickly. The heat pump can supply heating up to 75°C and operates at outdoor temperatures as low as – 25°C.

Even in really cold Nordic climates, the Elve works extremely well. Operation is automatically adapted to your needs, and the annual performance is very high (SCOP 4,96**, which is a measure of how much electricity the heat pump consumes in relation to the heat it extracts). Elve has a built-in cooling function. This ensures a pleasant indoor climate, even during the hottest period of the year.

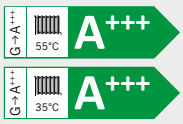
The Elve uses the natural refrigerant R290, which has a GWP of just 0,02. The refrigerant's GWP value and the heat pump's filling amount affect the CO_2 equivalent***. The result is a perfect air source heat pump for those who are thinking about the future while seeking quality and comfort.

The Elve heat pump is excellent for both new installations and replacements. You can choose from different combinations to suit your specific needs, as the heat pump is available in two power sizes: Elve L and Elve XL, and there are four different options for the indoor unit. To get greater output, Elve heat pumps can be linked together. For example, by connecting four Elve XL units together you can get a total heat output of up to 61 kW.

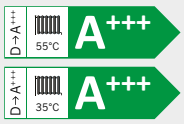
The Thermia Elve's control system is easy to navigate via its highly intuitive and modern display. The heat pump has both integrated Wi-Fi and 4G connectivity and remote control via an app is included. With 4G, there is no need for Wi-Fi via a router or a cable.**** You can also access additional services, such as Smart Price for spot price control.



System:



Product:



Read more about the energy class in footnotes 6–7 on the next page.

* 700 l water applies to the Elve XL with Total 300 indoor unit, average climate according to EN16147 in comfort mode.

** SCOP 4,96 for the Elve L according to the measurement standard EN14825, average climate, floor heating. SCOP 4,46 for the Elve L according to the measurement standard EN 14825, cold climate, floor heating.

*** R290 is a hydrocarbon that occurs in nature and is not fluorinated. The refrigerant circuit is hermetically sealed and contains R290. Global Warming Potential (GWP) of R290 is 0,02, in accordance with Regulation (EU) 2024/573.

****The 4G connection is free of charge until 30 April 2028.

RETAILER:

Technical data Elve and Idun

Connection

1 Return line heating system: R32, external thread
2 Supply line heating system: R32, external thread
3 Power and communication wiring conduits

Idun Indoor unit



W: 400mm
D: 159mm
H: 550mm

STANDARD

- Intelligent Controller



W: 598mm
D: 703mm
H: 1 863mm

TOTAL 300 l

- Intelligent Controller
- Hot water tank, 300 litre
- Circulation pump, Class A
- Three way valve for heating or hot water production
- Immersion heater (3~400 V, 1,5/3/4,5/6/7,5/9 kW)



W: 598mm
D: 703mm
H: 1 863mm

TOTAL EQ

- Intelligent Controller
- Hot water tank, 180 litre
- Circulation pump, Class A
- Three way valve for heating or hot water production
- Immersion heater (3~400 V, 1,5/3/4,5/6/7,5/9 kW)
- Total EQ feature extra 60 liters volume tank, 12 liters expansion vessel and an additional circulation pump



W: 598mm
D: 703mm
H: 1 470mm

COMPACT

Elve Outdoor unit



W: 1 170mm
D: 727mm
H: 1 144mm

Elve L

3,7–12,0 kW
3~400V



W: 1 170mm
D: 727mm
H: 1 365mm

Elve XL

5,1–15,3 kW
3~400V

Elve			Elve L 400V	Elve XL 400V
Heating capacity		kW	3,7–12,0	5,1–15,3
Refrigerant	Type		R290	R290
	Amount[1]	kg	1,6	2,15
	GWP	tCO_2	0,000032	0,000043
Compressor	Type		Inverter-controlled, Twin rotary	Inverter-controlled, Twin rotary
Electrical data 400V~3N Outdoor unit	Main supply	V	400V~3N	400V~3N
	Max working power, compressor	kW	6,83	8,3
	Fuse[2]	A	10	16
Performance	SCOP (average climate) floorheating[3]		4,96	4,89
	SCOP (average climate) radiator[3]		3,99	4,01
	SCOP (cold climate) floor heating[4]		4,46	4,4
	SCOP (cold climate) radiator[4]		3,66	3,73
	Heating capacity A-7/W35[5]	kW	10,1	13,1
	Heating capacity A-7/W55[5]	kW	10,1	13,1
	COP A7W35		5,4	5,41
Energy class - system[6]	Floor heating (35°C)		A+++	A+++
	Radiator (55°C)		A+++	A+++
Energy class - product[7]	Floor heating (35°C)		A+++	A+++
	Radiator (55°C)		A+++	A+++
Max/min temperatur	Outdoor air	°C	–25~ +45	–25~ +45
Max temperatur	Heating circuit	°C	75[9]	75[9]
Sound power level	Elve	dB(A)	46[10]	45[10]
Maximum sound pressure level - free field	1/4/10 m	dB(A)	46/42/38	47/43/37
Maximum sound pressure level in silent mode– free field	1/4/10 m	dB(A)	35/32/28	37/33/29
Hot water performance	Volume 40°C hot water[8]	l	542	700
Weight Outdoor unit	Elve	kg	166	205
Weight Indoor unit	Idun Standard	kg	11,4	11,4
	Idun Total EQ	kg	147,5	147,5
	Idun Total 300	kg	123	123
	Idun Compact	kg	95,5	95,5
Dimensions	Outdoor unit (WxDxH)	mm	1 170×727×1 144	1 170×727×1 365

1) The refrigerant circuit is hermetically sealed and contains R290. Global Warming Potential (GWP) of R290 is 0,02, in accordance with Regulation (EU) 2024/573.
2) The minimum recommended fuse size depends on the limitation of the electrical immersion heater. Meets IEC61000-3-2.
3) SCOP according to EN14825, average climate (Strassbourg).
4) SCOP according to EN14825, cold climate (Helsinki).
5) According to EN14511
6) When the heat pump is installed in a heating system that is controlled via the heat pump's control computer. According to EU regulation 811/2013.
7) When the heat pump is not connected to a heating system, and the function of the built-in control computer is not taken into account. According to EU regulation 811/2013.
8) Domestic hot water performance according to EN16147, COP according to XL cycle together with Thermia Idun Total 300.
9) Maximum flow temperature at -15°C to +43°C
10) Sound power level according to energy labeling, measured according to EN12102 and EN3741 (A7W55).

Thermia Heat Pumps and its certified dealers reserve the right to make changes to details and specifications without prior notice. Subject to any printing errors. 261012_Elve_EN

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