



PRODUCT DATA

GREENLINE HT PLUS

6-17 KW

FLUID / WATER

Complete Systems Installed by

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IVT Greenline HT Plus is the market's "hottest" heat pump for geothermal applications. A newly developed Mitsubishi Electric scroll compressor and technical perfection give approximately 45% more domestic hot water and higher temperature to the heating system. Can lower heating costs by more than 70%.

 **IVT**
HEAT PUMPS

Technical data Greenline HT Plus

Model Greenline HT Plus		6 C/E	7 C/E	9 C/E	11 C/E	14 E	17 E
Emitted /Supplied output at 0/35°C ¹	kW	5,9/1,3	7,3/1,6	9,1/2	10,7/2,2	14,4/3,1	16,7/3,7
Emitted /Supplied output at 0/50°C ¹	kW	5,4/1,7	6,9/2,1	8,4/2,6	10,1/3,0	13,9/4,2	16,2/4,9
Minimum flow heating medium ¹	l/s	0,14	0,18	0,22	0,26	0,35	0,40
Nominal flow heating medium	l/s	0,20	0,25	0,31	0,37	0,50	0,57
Permitted ext. pressure drop heating medium nominal flow	kPa	36	36	34	33	54	51
Nominal flow cooling medium	l/s	0,30	0,38	0,46	0,57	0,78	0,90
Permitted ext. pressure drop cooling medium at nominal flow	kPa	49	45	44	80	74	71
Max pressure radiator system	bar	1,5					
Max pressure cooling medium system	bar	4					
Highest outgoing heating medium temp.	°C	65					
Operating temperature heat transfer system	°C	-5 to +20					
Integrated heat/HTF pump		Yes					
Electrical connection		400V, N3-Phase					
Add. heat reconnectable	kW	3.0 / 6.0 / 9.0					
Recommended fuse size depends on electrical additional heat							
Electric cassette 6 kW	AT	16	16	20	20	20	25
Electric cassette 9 kW	AT	20	20	25	25	25	32
Compressor		Scroll					
Refrigerant R407C	kg	1,35	1,4	1,5	1,9	2,2	2,3
Connection, heating medium	Cu/DN	22	22	22	22	28	28
Connection, cooling medium	Cu/DN	28	28	28	28	35	35
Dimensions E-model (WxDxH)	mm	600x600x1520					
Weight E-model	kg	146	152	155	170	190	195
Dimensions C-model (WxDxH)	mm	600x600x1800					
Weight C-model							
Stainless hot w cylinder	kg	200	201	210	218	–	–
Integrated double-shelled hot w cylinder on the C-model. Stainless [*]		Stainless				–	–
Domestic hot water C-model	litres	165				–	–
Control unit		Rego 637					

¹ Output data at 0/35°C and 0/50°C and min heating medium flow are stated according to the European standard EN 255.

Additional heat not included.

^{*} Anode included in C-models with stainless hot water cylinder.

The Mitsubishi Electric scroll compressor gives unique benefits

The award-winning scroll compressor, developed in close collaboration between IVT and Mitsubishi Electric, provides the market's best heating factors.

The temperature of 65°C translates into approximately 45 % more domestic hot water and higher temperature water to the heating system. Only IVT has this unique compressor that gives the best heating factors, silent vibration-free operation and has no less than 31 patents.

Frame Compliance Mechanism (FCM) gives technical superiority.



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