



## PRODUCT FACTS

# GREENLINE

### MODEL

D20/E20/D25/E25

D33/D40/D55/D70

LIQUID/WATER

**Very competitive alternatives for large properties owners. They extract free energy from the soil, bedrock, lakes, groundwater, exhaust air or process water. Ideal for apartment blocks, business premises and industrial processes.**

 **IVT**  
HEAT PUMPS

# Technical data for IVT Greenline DE large property heat pumps 20-70 kW

The IVT Greenline DE series is extremely powerful and safe in operation. As Scandinavia's leading company, IVT has developed techniques and performance that result in an improved net operating profit. Of compact design, and supplied from the factory ready-to-run, installation is quick and easy to carry out.

## Technical data

Greenline Model		D20-E20	D25-E25	D33	D40	D55	D70
Emitted /Supplied output at 0/35°C *	kW	21/5.1	25.5/6.3	32.9/7.9	41.5/10.4	54.8/13.5	67.8/16.7
Emitted /Supplied output at 0/50°C *	kW	20/7.1	24.8/8.7	33.3/10.7	40.9/14.3	55.6/17.7	69.8/22.3
Nominal flow heating medium	l/s	0.59	0.74	0.99	1.22	1.40	1.73
Nominal flow cooling medium	l/s	1.15	1.44	2.02	2.38	3.16	3.95
Permitted ext. pressure drop heating medium nominal flow	kPa	43	38	43	38	30	30
Permitted external pressure drop in cooling medium	kPa	72	70	65	60	70	90
Max pressure radiator system	bar	4.0 ***					
Max. pressure cooling medium system	bar	4.0					
Operating temp. cooling medium system	°C	-5 to +20					
Electrical supply		400 V 3 N- 50 Hz					
Electric boiler with 3 stages Model E	kW	18 6.7/11.3 /18.0	18 16.7/11.3/18.0	-	-	-	-
Fuse rating Model D **	A	20	25	32	35	40	50
Recommended fuse size depends on electrical additional heat **							
Electric cassette 6.7 kW	A	32	32	-	-	-	-
Electric cassette 11.3 kW	A	35	40	-	-	-	-
Electric cassette 18.0 kW	A	50	50	-	-	-	-
Recommended installed motor protection	A	13.7	16.4	21.0	26.5	35	42
Compressor Type		Scroll					
Initial current (LRA)	A	98	120	145	175	152	164
Max. output temp. heating medium	°C	55					
Cooling medium refrigerant charge R407C	kg	3.7	4.2	4.5	8.5	9.2	9.8
Connection for heating medium	Cu	35		35		42	
Connection for cooling medium	Cu	42		42		54	
Dimensions (WxDxH)	mm	700x750x1520		700x750x1520		950x750x1520	
Weight	kg	210	210	305	350	490	510

\* Performance values for 0/35°C and 0/50°C according to EN255. The additional heating cartridge is not calculated in.

\*\* Fuse of gL-gG type or type D miniature circuit breaker.

The recommended fuse rating is based on extreme load at high evaporation and condensation, with the compressor working on maximum operating current. For a few minutes a slow-blow fuse may be subject to a load slightly above its rated current before being triggered. Depending on the mains voltage and size of the additional heating, a fuse rating lower than the recommended one adequately solves the problem.

\*\*\* The maximum pressure of the heating medium system is generally determined on the basis of the working pressure of the hot water heater. As a rule, this is between 1.5 and 3.0 bar.

- Fitted controller: REGO 600.
- Integrated circulation pumps for heating and cooling.

IVT reserves the right to make changes in design without prior notice.



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