

Technical information

Model Greenline		D14-E14	D16-E16	D20-E20	D25-25	D35	D40
Emitted /Supplied output at 0/35°C (¹) kW		13,8/3,2	15,8/3,6	21/5,1	25,5/6,3	35,2/8,6	41,5/10,4
Emitted /Supplied output at 0/50°C (¹) kW		13,5/4,6	15,4/5,2	20/7,1	24,8/8,7	34,7/12	40,9/14,3
Nominal flow distr. system	l/s	0,46	0,53	0,69	0,85	1,19	1,41
Nominal flow collector system	l/s	0,79	0,91	1,16	1,45	2,03	2,39
Permitted ext. press. drop distr. syst.	kPa	43	41	45	40	65	62
Permitted ext. press. drop coll. syst.	kPa	75	74	63	60	50	47
Electrical supply		400V, N3 three-phase 50 HZ					
Electric boiler in three steps E-model	kW	15,75 5,6 / 9,0 / 15,75	15,75 5,6 / 9,0 / 15,75	18 6,7 / 11,3 / 18,0	27 9,0 / 18,0 / 27,0	-	-
Fuse size D-model	AT	16	16	20	25	35	35
Fuse size E-model depending on the electric boiler output							
9.0 kW	AT	25	25	-	-	-	-
15.75 kW	AT	35	35	-	-	-	-
11.3 kW	AT	-	-	35	-	-	-
18.0 kW	AT	-	-	50	50	-	-
27.0 kW	AT	-	-	-	63	-	-
Recommended setting motor cutout	A	9,6	10,8	13,7	16,4	23,4	26,5
Compressor		Scroll					
Starting current (LRA)	A	59,5	70,5	98	120	175	175
Max outgoing heating transfer fluid	°C	55					
Refrigerant quantity (R407C)	kg	1,8	2,2	3,7	4,2	7,5	8,5
Connection, heating medium	Cu	28	28	35	35	35	35
Connection, cooling medium	Cu	35	35	42	42	42	42
Dimensions (WxDxH)	mm	600x600x1500		700x750x1500		700x750x1500	
Weight	kg	180	180	210	210	230	230

(¹) Output data at 0/35°C and 0/50°C are stated in accordance with the European standard EN255. Additional heat not included.

Table of selected output in display 5.2

The table shows the output available for various selections in display P5.2. If e.g. you have chosen 2/3 the output is in two steps. The first step is 5.6 kW and the second is 9.0kW.

Model	Max output at 1/3	Max output at 2/3	Max output at 3/3
E14 and E16	5.6 kW	9.0 kW	15.75 kW
E20	6.7 kW	11.3 kW	18.0 kW
E25	9.0 kW	18.0 kW	27.0 kW

Sensor table

The table shows the resistance of all sensors at different temperatures.

Temperature °C	kΩ	Temperature °C	kΩ	Temperature °C	kΩ
-40	154,30	5	11,90	50	1,696
-35	111,70	10	9,33	55	1,405
-30	81,70	15	7,37	60	1,170
-25	60,40	20	5,87	65	0,980
-20	45,10	25	4,70	70	0,824
-15	33,95	30	3,79	75	0,696
-10	25,80	35	3,07	80	0,590
-5	19,77	40	2,51	85	0,503
0	15,28	45	2,055	90	0,430

EU DECLARATION OF CONFORMITY

according to Machinery Directive 89/392/EEC, Annex IIA, EC Low-voltage directive 73/23/EEC, EMC Directive 89/336/EEC & 92/31/EEC, including addendum of the CE marking directive 93/68/EEC

Type of product Electric heat pump
Commercial name: IVT
Type: Greenline C4-C9, D4-D16, E5-E16, F14-F16,
HT C6-C9, HT E6-E11, Optima 400-700.
Name of manufacturer: IVT Industrier AB
Address: Box 1012
SE-573 28 Tranås
Sweden
Telephone: int. +46 140 38 41 00
Fax: int. +46 140 17890

The manufacturer declares that the product conforms with aforementioned directives and is designed according to the following standards:

- | | | |
|----|----------------|-------------------|
| 1. | EN 60 335-2-40 | Electrical safety |
| 2. | EN 50 081-1 | EMC emissions |
| 3. | EN 50 082-1 | EMC-immunity |

The product is manufactured under a production control system, which guarantees conformity between the manufactured products and technical data.

Installation, connection, maintenance and usage should take place in accordance with the product's instructions and design, which are described in the manufacturer's technical documentation as well as according to practice.

In accordance with the EU declaration of conformity, the product must not be modified without the manufacturer's permission. If this occurs, this documented EU declaration ceases to apply and the product's owner is considered to be the manufacturer and must verify and draw up an addendum to the EU declaration and file technical data for the inspection authority.

The product is CE-marked.

2003-03-28



Johnny Wärnelöv
MD

EU DECLARATION OF CONFORMITY

according to Machinery Directive 89/392/EEC, Annex IIA, EC Low-voltage directive 73/23/EEC, EMC Directive 89/336/EEC & 92/31/EEC, Pressure Equipment Directive PED 97/23 EEC, including addendum of the CE marking directive 93/68/EEC

Type of product	Electric heat pump
Commercial name:	IVT
Type:	Greenline D20-D40, E20-E25, F20-F65, G13-G43, Optima 1000-1300
Name of manufacturer:	IVT Industrier AB
Address:	Box 1012 SE-573 28 Tranås Sweden
Telephone:	int. +46 140 38 41 00
Fax:	int. +46 140 178 90

The above heat pumps contain pressure carrying devices and operating fluid as set out below:

- | | |
|------------------------------------|----|
| - Fluid group | 2 |
| - Category | II |
| - Module selection with CE-marking | A1 |

The manufacturer declares that the product conforms with aforementioned directives and are designed according to the following standards:

- | | |
|-----------------------------------|---|
| 1. EN 60 335-2-40 | Electrical safety |
| 2. EN 50 081-1 | EMC-emissions |
| 3. EN 50 082-1 | EMC-immunity |
| 4. The Swedish Refrigeration Code | PED |
| 5. SS 065251 | Competence qualification of brazing operators |

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The product is CE-marked.

2003-10-14



Johnny Wärnelöv
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