



HWL external air-to-water heat pump for setting up inside and outside 5,3 - 8,8 kW with refrigerant R407c

Compact air-water heat pump with defrosting device for inside and outside installation. It uses the external air as a source. The free standing housing is sound insulated and made of powder-coated steel. The heat pump includes a high efficiency, suction gas cooled compressor, copper aluminium ribbed evaporator and stainless steel 1.4401 plate heat exchanger for the heating circuit. The heat pump is designed to fulfill all required EU-standard safety regulations. The heat pump is controlled with weather compensation and is supplied with a separate remote control, is pre wired, easy to assemble and has a range of optional accessories. The built-in controller has E-bus and modem connections. The heat pump is available with R407c refrigerant. Up to eight heat pumps (of different sizes if necessary) may be connected for higher heating capacity.

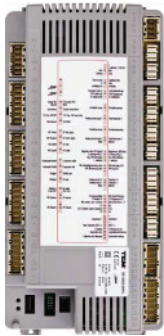
Configuration:

- **built-in heat pump controller with text in clear announcement**
- **mixing circuit control (temperature sensor must be ordered separately)**
- **high efficiency**
- **quiet**
- **easy assembling and easy operation**
- **built-in pressure transmitter (depending on the version)**
- **electronically regulated ventilating fan**
- **flow temperature max. 65°C at 10K delta T - flow and return**

Option:

- **cooling operation**
- **built-in electric heating element (HELN)**
- **built-in circulating pump for the heating circuit (HHB)**
- **built-in hot water priority switch**
- **built-in heat meter**

Premium



HAUTEC comfort heat pump controller HSC6001WPC, microprocessor controlled with weather compensation. It can control up to 2 heat generators for heating and domestic hot water and optional cooling, including 1 mixing circuit.

Conditions:

Output related switch of heat generator 1 (compressor), which can be operated in two power levels and additional heat generator 2 (e.g. electric heating element).

Digital clock with perpetual calendar, clock change summer/winter time, several adjustable clocktimer programs, separate counting of operation hours and number of starts for every heat generator, plain text display. Showing the flow and return temperature of the heating system and source entrance and exit temperatures, outside and inside temperatures. Easy handling with two buttons and error diagnostics.

With the master remote control it is possible to display up to 14 temperature values. Depending on the system configuration 4 - 8 of these will be free for use.

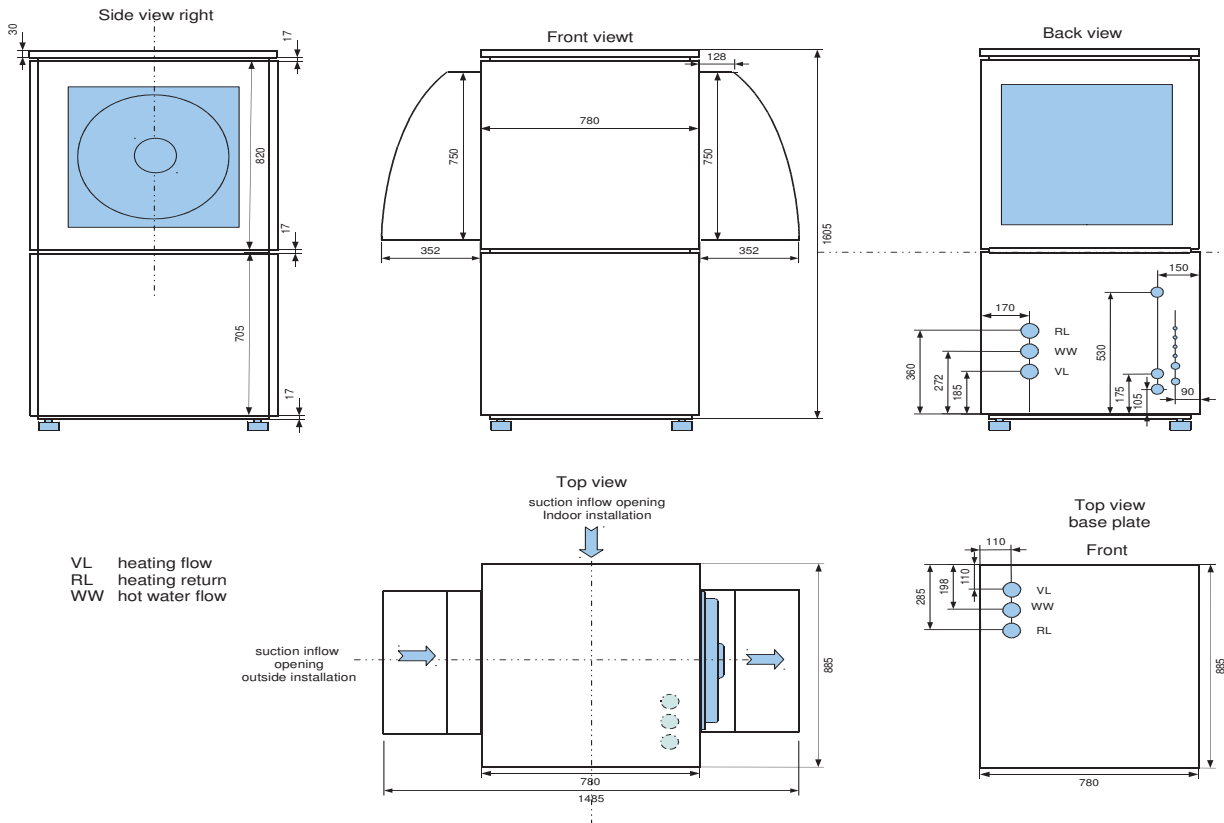
Optional:

Radio clock module, remote control with room temperature sensor, diagnostic module for data transmission on a PC.

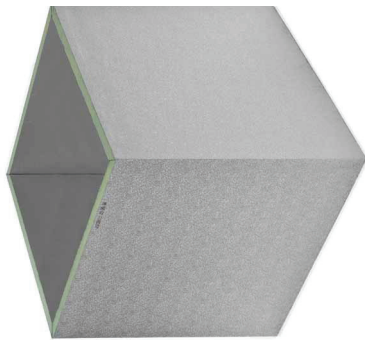


HAUTEC digital remote control with plain text display and room temperature sensor to adjust the time, heating mode, automatic programs, holiday program or party mode. With the remote control the main values can be read out. A button for showing error messages, operation hours and number of starts for every heat generator, flow and return temperature of the heating system, source entrance and exit temperatures, outside and inside temperatures. The technician can use it as a master remote control to get other important informations such as temperature and low and high pressure of the refrigerant circuit.

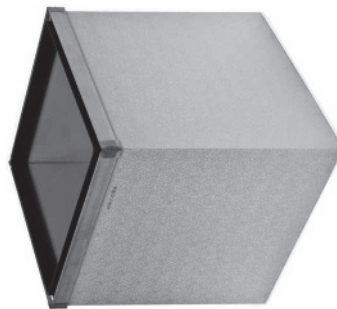
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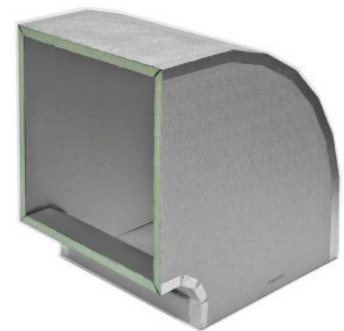
HWL-25-48



Air duct straightly



Air duct with connection set



Air duct bend



Air duct connection set



Air duct fence outside

Premium

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Type		HWL 25	HWL 36	HWL 43	HWL 48
Refrigerant		R407c	R407c	R407c	R407c
Refrigerant filling weight	kg	2,8	3,4	3,9	4,1
Heating capacity A10/W35 (EN 255)	kW	8,1	9,1	10,9	12,8
Power consumption A10/W35 (EN 255)	kW	1,68	1,84	2,45	2,91
Coefficient of performance A10/W35 (EN 255)		4,8	4,9	4,4	4,4
Coefficient of performance A10/W35 (EN 14511)		4,6	4,7	4,2	4,2
Heating capacity A7/W35 (EN 255)	kW	7,6	8,3	9,7	11,8
Power consumption A7/W35 (EN 255)	kW	1,64	1,76	2,25	2,85
Coefficient of performance A7/W35 (EN 255)		4,6	4,7	4,3	4,1
Coefficient of performance A7/W35 (EN 14511)		4,4	4,5	4,1	3,9
Heating capacity A2/W35 (EN 255)	kW	5,3	5,9	7,5	8,8
Power consumption A2/W35 (EN 255)	kW	1,54	1,59	2,10	2,79
Coefficient of performance A2/W35 (EN 255)		3,5	3,7	3,6	3,2
Coefficient of performance A2/W35 (EN 14511)		3,3	3,5	3,4	3,0
Heating capacity A2/W55 (EN 255)	kW	4,9	5,3	6,9	8,1
Power consumption A2/W55 (EN 255)	kW	2,12	2,16	2,90	3,49
Coefficient of performance A2/W55 (EN 255)		2,3	2,5	2,4	2,3
Coefficient of performance A2/W55 (EN 14511)		2,1	2,3	2,2	2,1
Heating capacity A-7/W35 (EN 255)	kW	4,0	4,7	5,9	6,8
Power consumption A-7/W35 (EN 255)	kW	1,46	1,56	1,99	2,44
Coefficient of performance A-7/W35 (EN 255)		2,8	2,7	2,7	2,7
Coefficient of performance A-7/W35 (EN 14511)		2,6	2,5	2,5	2,5
Source min. volume flow	m ³ /h	1200	1300	1400	1500
Source nominal volume flow	m ³ /h	2400	2600	2800	3000
Source entrance heat flow <40°C min.	°C	-20	-20	-20	-20
Source entrance heat flow <55°C min. (at 10 K)	°C	2	2	2	2
Source entrance max.	°C	30	30	30	30
Heating min. volume flow	m ³ /h	0,82	0,94	1,22	1,47
Heating nominal volume flow	m ³ /h	1,64	1,89	2,43	2,95
Heating internal pressure drop	hPa	56	56	63	75
Heating connection dimensions	Inch	1	1	1	1
Heating flow temperature temporary max. (at 10 K)	°C	65	65	65	65
Nominal voltage	V	400	400	400	400
Starting current	A	<30	<30	<30	30
Starting current (limited)	A				
Fuse (delay)	A	3x16	3x16	3x20	3x20
Measurement height	mm	1605	1605	1605	1605
Measurement width	mm	780	780	780	780
Measurement depth	mm	885	885	885	885
Weight	kg	165	170	175	185
Sound level (+/- 2 dBA)		49	50	51	54

Premium

All technical data were determined according to EN 255 and EN 14511.

The electric heating element is to be secured depending on the power input. - 3 kW / 230V~N/PE Fuse 1x16A - 9 kW / 400V~3/N/PE Fuse 3x16A - 18 kW / 400V~3/N/PE Fuse 3x35A
A change-over of the refrigerant circuit (heating / cooling) is available for all devices.

Subject to technical modifications.