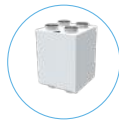


ACCESSORIES

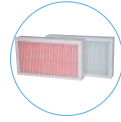


ACCESSORIES

QUICK GUIDE



SILENCER



FILTERS



WATER HEATING COILS



PRE/AFTER HEATERS

PRODUCTS SUITABILITY



HCV



HCC

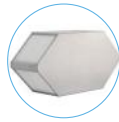


HCH



ACCESSORIES

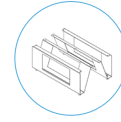
QUICK GUIDE



ENTHALPY HEAT EXCHANGERS



PLUGS AND CABLES



INSTALLATION ACCESSORIES



DISPLAY KITS

PRODUCTS SUITABILITY



HCV



HCC




HCH



ACCESSORIES

SILENCER

The HCV 400-460 Silencer Box reduces fan and air flow noise before it is carried into the duct system. It is made of Aluzinc painted in colour RAL 9016. The ends of the sound attenuators are fitted with coupling connections and can be mounted directly on top of the HCV 400 or HCV 460 residential ventilation units.

Illustration	Accessory	Description	HCV 300	HCV 400	HCV 460	HCV 500	HCV 700	HCH 5	HCH 8	HCC 2	HCC 260 P1	HCC 360 ET
	096978	Silencer Box The HCV 400-460 Silencer Box reduces fan and air flow noise before it is carried into the duct system.		•	•							

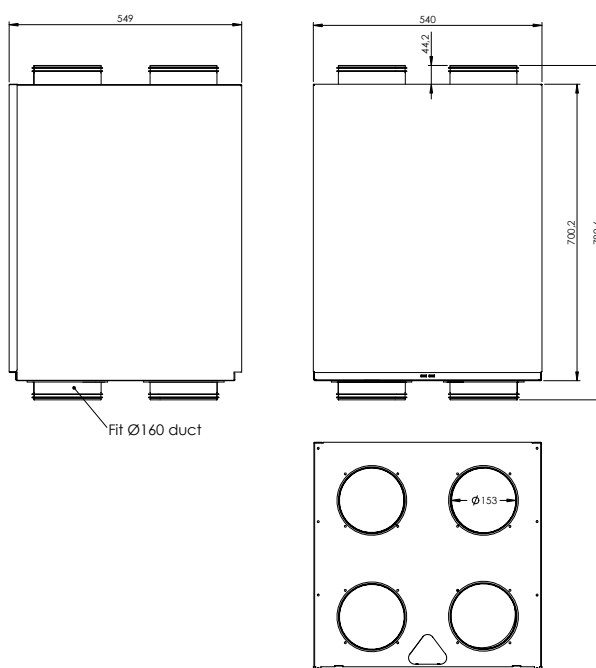


HCV 400 with Silencer Box

Key features

- Discreet design with same width, depth and colour as HCV 400 unit
- Significant sound attenuation is achieved on all four ducts
- Plug-and-Play solution that fits direct to the top of the HCV 400 unit
- All four ducts in the Silencer Box are thermally and acoustically insulated and prepared for HCV 400 left and right configuration of duct work to reduce installation time
- Easy cabling at the top of the HCV 400 unit, because the front lid of the silencer can be removed
- Pressure loss is negligible
- Includes circular sound attenuators made of perforated aluminium surrounded with glass wool insulation and a PE vapour barrier

DIMENSIONS



ACCESSORIES

SILENCER

The HCV 400-460 Silencer Box significantly reduces fan and air flow noise. The tables below illustrate the sound data with the Silencer Box installed, and can be compared with the sound data tables of the respective products in the wall-mounted units section of this catalogue.

HCV 400_{P1} SOUND DATA WITH G4/G4 FILTERS AND SILENCER BOX

Air flow	Pressure	Operational point	Sound effect Lw for centre frequency (1/1 octave)								Total sound power Lw(A)	Sound pressure 1m distance L _p (A)	Sound pressure 2m distance L _p (A)
			63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz			
m ³ /h	Pa		dB								dB(A)		
130	70	Supply	18.3	31.4	33.4	29.5	17.8	12.1	13.7	4.8	36.7		
		Extract	33.8	35.1	33.1	30.1	21.6	17.6	17.0	9.1	39.5		
		Outdoor	33.8	35.1	33.1	30.1	21.6	17.6	17.0	9.1	39.5		
		Exhaust	18.3	31.4	33.4	29.5	17.8	12.1	13.7	4.8	36.7		
		Cabinet										36.2	35.2
150	70	Supply	20.3	32.4	35.4	31.5	18.8	13.1	15.7	6.8	38.4		
		Extract	34.8	35.1	38.1	32.1	22.6	18.6	18.0	10.1	41.7		
		Outdoor	34.8	35.1	38.1	32.1	22.6	18.6	18.0	10.1	41.7		
		Exhaust	20.3	32.4	35.4	31.5	18.8	13.1	15.7	6.8	38.4		
		Cabinet										38.1	36.2
150	100	Supply	21.3	34.4	36.4	32.5	21.8	16.1	19.7	10.8	39.7		
		Extract	37.8	37.1	39.1	34.1	25.6	21.6	23.0	16.1	43.5		
		Outdoor	37.8	37.1	39.1	34.1	25.6	21.6	23.0	16.1	43.5		
		Exhaust	21.3	34.4	36.4	32.5	21.8	16.1	19.7	10.8	39.7		
		Cabinet										41.1	38.1
225	70	Supply	23.3	35.4	35.4	33.5	23.8	17.1	21.7	12.8	39.9		
		Extract	37.8	38.1	39.1	34.1	26.6	22.6	24.0	18.1	43.8		
		Outdoor	37.8	38.1	39.1	34.1	26.6	22.6	24.0	18.1	43.8		
		Exhaust	23.3	35.4	35.4	33.5	23.8	17.1	21.7	12.8	39.9		
		Cabinet										41.8	39.3
225	100	Supply	26.3	39.4	40.4	35.5	25.8	20.1	23.7	15.8	43.9		
		Extract	39.8	41.1	44.1	37.1	29.6	24.6	27.0	22.1	47.4		
		Outdoor	39.8	41.1	44.1	37.1	29.6	24.6	27.0	22.1	47.4		
		Exhaust	26.3	39.4	40.4	35.5	25.8	20.1	23.7	15.8	43.9		
		Cabinet										43.5	41.2
300	100	Supply	28.3	40.4	39.4	40.5	29.8	23.1	27.7	19.8	45.2		
		Extract	42.8	43.1	44.1	41.1	32.6	28.6	31.0	27.1	49.2		
		Outdoor	42.8	43.1	44.1	41.1	32.6	28.6	31.0	27.1	49.2		
		Exhaust	28.3	40.4	39.4	40.5	29.8	23.1	27.7	19.8	45.2		
												46.5	44.5

ACCESSORIES

SILENCER

HCV 400_{P2} SOUND DATA WITH G4/G4 FILTERS AND SILENCER BOX

Air flow	Pressure	Operational point	Sound effect Lw for centre frequency (1/1 octave)								Total sound power Lw(A)	Sound pressure 1m distance	Sound pressure 2m distance
			63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz			
m ³ /h	Pa		dB								dB(A)		
100	80	Supply	19.4	36.7	25.0	21.6	11.7	4.8	17.6	8.5	37.2		
		Extract	32.9	39.1	24.6	25.7	13.7	9.4	18.2	16.5	40.4		
		Outdoor	32.9	39.1	24.6	25.7	13.7	9.4	18.2	16.5	40.4		
		Exhaust	19.4	36.7	25.0	21.6	11.7	4.8	17.6	8.5	37.2		
		Cabinet										33.4	31.2
150	100	Supply	27.6	37.3	38.0	32.0	21.3	14.0	18.7	16.5	41.5		
		Extract	40.5	41.3	38.0	36.3	23.0	15.9	19.2	16.5	45.5		
		Outdoor	40.5	41.3	38.0	36.3	23.0	15.9	19.2	16.5	45.5		
		Exhaust	27.6	37.3	38.0	32.0	21.3	14.0	18.7	16.5	41.5		
		Cabinet										40.9	38.3
240	200	Supply	34.0	40.2	47.9	41.8	30.4	22.1	21.2	19.8			
		Extract	47.0	46.9	47.2	44.1	32.5	24.5	24.9	21.0			
		Outdoor	47.0	46.9	47.2	44.1	32.5	24.5	24.9	21.0			
		Exhaust	34.0	40.2	47.9	41.8	30.4	22.1	21.2	19.8			
		Cabinet											

HCV 400_{E1} SOUND DATA WITH G4/G4 FILTERS AND SILENCER BOX

Air flow	Pressure	Operational point	Sound effect Lw for centre frequency (1/1 octave)								Total sound power Lw(A)	Sound pressure 1m distance	Sound pressure 2m distance
			63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz			
m ³ /h	Pa		dB								dB(A)		
100	80	Supply	17.0	36.2	33.7	26.5	16.9	10.0	16.1	0.0	38.5		
		Extract	35.9	37.3	30.9	30.0	19.7	16.0	16.6	7.9	40.7		
		Outdoor	35.9	37.3	30.9	30.0	19.7	16.0	16.6	7.9	40.7		
		Exhaust	17.0	36.2	33.7	26.5	16.9	10.0	16.1	0.0	38.5		
		Cabinet										33.7	32.8
150	100	Supply	21.8	35.9	39.0	30.5	21.5	13.9	18.3	11.7	41.2		
		Extract	38.8	39.5	42.3	35.9	23.0	17.1	18.7	11.6	45.8		
		Outdoor	38.8	39.5	42.3	35.9	23.0	17.1	18.7	11.6	45.8		
		Exhaust	21.8	35.9	39.0	30.5	21.5	13.9	18.3	11.7	41.2		
		Cabinet										40.7	39
240	200	Supply	30.2	39.0	41.6	39.4	28.9	20.5	20.6	20.7	45.2		
		Extract	41.8	43.5	47.1	41.5	31.0	23.9	22.7	22.8	50.2		
		Outdoor	41.8	43.5	47.1	41.5	31.0	23.9	22.7	22.8	50.2		
		Exhaust	30.2	39.0	41.6	39.4	28.9	20.5	20.6	20.7	45.2		
		Cabinet										48.6	46.5

ACCESSORIES FILTERS

BUY ONLINE
shop.dantherm.com



Most models use 50mm **G4 cartridge** filters as standard for both supply air and extract air. This will cater to the majority of air cleaning needs. The advantage of compact filters is that they have a considerably larger filter surface area than fibrous filters and small bag filters. The filter thus works for longer and under normal conditions it will not need changing more often than twice a year, equivalent to the filter timer setting.

F7 filters (pollen filters): If necessary, F7 filters are available as accessories, which ensure that allergens do not enter the home through the ventilation system.










All filters are available to buy online, including those for out-phased units.

Illustration	Accessory	Description	HCV 300	HCV 400	HCV 460	HCV 500	HCV 700	HCH 5	HCH 8	HCC 2	HCC 260P1	HCC 360E1
	093844	HCV 300 – Panel filter set, F7/G4 One F7 filter and one G4 filter.	•									
	093845	HCV 300 – Panel filter set, G4 Two G4 filters.	•									
	098346	HCV 400 – Panel filter set, F7/G4 One F7 filter and one G4 filter.		•	•							
	098347	HCV 400 – Panel filter set, G4 Two G4 filters.		•	•							
	096393	HCV 500 – Panel filter set, F7/G4 One F7 filter and one G4 filter.				•						
	087342	HCV 500 – Panel filter set, G4 Two G4 filters.				•						
	093479	HCV 700 – Panel filter set, F7/G4 One F7 filter and one G4 filter.					•					
	093478	HCV 700 – Panel filter set, G4 Two G4 filters.					•					
	063448	HCH 5 – Panel filter set, F7/G4 One F7 filter and one G4 filter.						•				
	063470	HCH 5 – Panel filter set, G4 Two G4 filters.						•				
	063449	HCH 8 – Panel filter set, F7/G4 One F7 filter and one G4 filter.							•			
	063471	HCH 8 – Panel filter set, G4 Two G4 filters.							•			
	087998	HCC 2 – Panel filter set, F7/G4 One F7 filter and one G4 filter.								•	•	•
	087997	HCC 2 – Panel filter set, G4 Two G4 filters.								•	•	•

ACCESSORIES

PRE/AFTER WATER HEATING COILS

Pre- and after-heating coils are effective solutions to regulate the air temperature, with preheating coils an excellent choice for preventing ice building up in the heat exchanger at low temperatures, and post-heating coils effective at increasing the supply air temperature.

Illustration	Accessory	Description	HCV 300	HCV 400	HCV 460	HCV 500	HCV 700	HCH 5	HCH 8	HCC 2	HCC 260 P1	HCC 360 E1	HCC 360 P2
	063843	Water heating coil set, Ø125mm The set includes water heating coils with 2RR, two-way water valve, 0-10V servo motor, 230/24V VAC trafo, duct sensor and tube sensor for frost protection. To be controlled by the accessory control HAC.	•							•	•	•	•
 Servo motor	063851	Water heating coil set, Ø160mm The set includes water heating coils with 2RR, two-way water valve, 0-10V servo motor, 230/24V VAC trafo, duct sensor and tube sensor for frost protection. To be controlled by the accessory control HAC.		•	•	•		•		•	•	•	•
 Two-way water valve	063852		Water heating coil set, Ø250mm The set includes water heating coils with 2RR, two-way water valve, 0-10V servo motor, 230/24V VAC trafo, duct sensor and tube sensor for frost protection. To be controlled by the accessory control HAC.					•	•				
 230/24 V VAC trafo													
	076107	Preheating coil, 700W For building into the unit.	•										
	098268	Preheating coil, 1400W For building into the unit.		•									
	108639	Preheating coil, 1850W For building into the unit.			•								
	076108	Preheating coil, 2 x 600W For building into the unit.				•							
	076109	Preheating coil, 2 x 800W For building into the unit.					•						

PRE/AFTER WATER HEATING COILS FEATURES



Water heating coils

The water heating coil kit includes 2RR, 2-way water valve, 0-10V servo motor, 230/24VAC trafo, duct sensor and tube sensor for frost protection. It is controlled by the accessory control HAC 2.

CWW 125-2-2.5		Max capacity						Supply air temperature 21°C					
		80°C/60°C			60°C/40°C			80°C/60°C			60°C/40°C		
Air volume	m³/h	85	150	215	85	150	215	85	150	215	85	150	215
Air temperature out	°C	40	36	34	28	25	23	21	21	21	21	21	21
Pressure loss	Pa	11	28	51	11	28	51	11	28	51	11	28	51
Capacity	kW	0.7	1.1	1.4	0.4	0.5	0.6	0.2	0.3	0.5	0.2	0.3	0.5
Water flow	L/h	36	36	72	36	36	36	9	10	23	17	22	28
Pressure loss, max.	KPa	0.5	0.5	1	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.4	0.5

CWW 160-2-2.5**		Max capacity						Supply air temperature 21°C					
		80°C/60°C			60°C/40°C			80°C/60°C			60°C/40°C		
Air volume	m³/h	145	250	335	145	250	335	145	250	335	145	250	335
Air temperature out	°C	47	43	40	33	31	29	21	21	21	21	21	21
Pressure loss	Pa	6	15	27	6	15	27	6	15	27	6	15	27
Capacity	kW	1.6	2.4	3.0	0.9	1.3	1.7	0.3	0.5	0.7	0.3	0.5	0.7
Water flow	L/h	72	108	144	36	72	72	14	24	35	12	28	30
Pressure loss, max.	KPa	1	3	4	0.5	1	2	0.2	0.4	0.5	0.1	0.4	0.5

CWW 250-2-2.5***		Max capacity						Supply air temperature 21°C			
		80°C/60°C		60°C/40°C		80°C/60°C		60°C/40°C			
Air volume	m³/h	360	630	630	360	360	630	360	630		
Air temperature out	°C	44	40	31	29	21	21	21	21		
Pressure loss	Pa	10	25	10	25	10	25	10	25		
Capacity	kW	3.6	5.3	2.0	3.0	0.74	1.29	0.74	1.28		
Water flow	L/h	72144	252	108	144	30	61	40	61		
Pressure loss, max.	KPa	1	3	1	2	0.5	1.0	0.7	1.0		

*Air in 15°C.

** Please note that this heater coil has 160mm duct connections, so 2 pcs of Ø160/200mm duct reduction parts are needed for installation with a HCV 700 (Ø200).

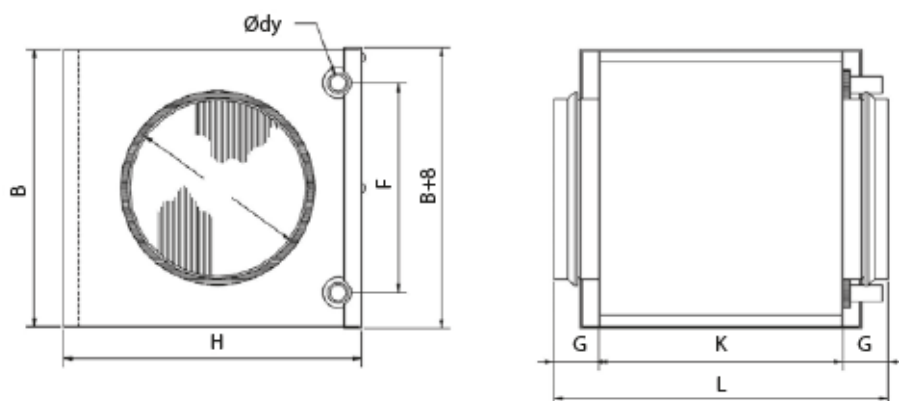
*** Please note that this heater coil has 250mm duct connections, so 2 pcs of Ø200/250mm duct reduction parts are needed for installation with a HCV 700 (Ø200).

PRE/AFTER WATER HEATING COILS FEATURES








WEIGHT

	$\varnothing d$	B	H	$\varnothing dy$	F	G	K	L	Weight
	mm								
CWW 125-2-2.5	125	238	180	10	137	40	276	356	3.5
CWW 160-2-2.5	160	313	255	10	212	40	276	356	5.4
CWW 250-2-2.5	250	398	330	10	250	40	276	356	7.7

DIMENSIONS



PRE/AFTER HEATERS

Illustration	Accessory	Description	HCV 300	HCV 400	HCV 460	HCV 500	HCV 700	HCH 5	HCH 8	HCC 2	HCC 260 P1	HCC 360 E1
	063853	Electric pre-/after heating coil, Ø125mm, 900W stand-alone The set includes a 900W electric heater with duct sensor and built-in thermostat control. Direct control by the built-in thermostat, with no connection to the ventilation unit.	▼							▼	▼	▼
	063854	Electric pre-/after heating coil, Ø160mm, 1200W stand-alone The set includes a 1200W electric heater with duct sensor and built-in thermostat control. Direct control by the built-in thermostat, with no connection to the ventilation unit.		▼	▼	▼	●					
	063855	Electric pre-/after heating coil, Ø250mm, 1800W stand-alone The set includes a 1800W electric heater with duct sensor and built-in thermostat control. Direct control by the built-in thermostat, with no connection to the ventilation unit.					▼	●				
	063898	Electrical pre-/after heater kit, Ø125mm, 900W, 0-10V controlled The set includes a 900W heater, integrated 0-10V regulation and a duct sensor. Must be controlled from the accessory control HAC.	▼									
	063899	Electrical pre-/after heater kit, Ø160mm, 1200W, 0-10V controlled The set includes a 1200W heater, integrated 0-10V regulation and a duct sensor. Must be controlled from the accessory control HAC.		▼	▼	▼	▼	●				
	063900	Electrical pre-/after heater kit, Ø250mm, 1800W, 0-10V controlled The set includes a 1800W heater, integrated 0-10V regulation and a duct sensor. Must be controlled from the accessory control HAC.					▼	●				
	086877	External electric preheating coil, 900W The set includes a 900W heater and a power cable. The heater is controlled and powered by the main PCB of the HCC unit.								●	●	●

▼ Only used for after heating.

PRE/AFTER HEATERS FEATURES



Circular electric duct heater for reheating of supply air

The electric duct heater is designed for installation in the supply air duct. The duct heater is provided with duct connections with a rubber sealing gasket. The duct heater is not suitable for outdoor installation. The control current is connected to the accessory control HAC 2. Connection to supply voltage 230V is made separately. The duct heater is controlled by a stepless regulation via the accessory control HAC 2.

Circular electric duct heater, direct control by the built-in thermostat

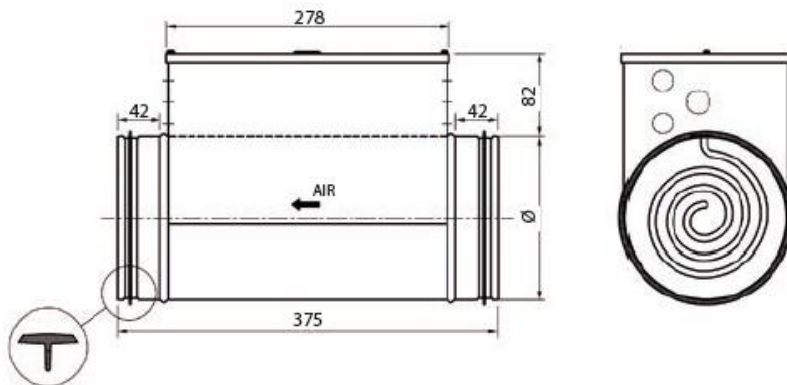
This duct heater is controlled by the built-in thermostat. Both heaters are supplied with a duct sensor.

Capacity, dimensions and weight

The duct heaters are without fins and therefore the resulting air pressure loss is negligible.

Specifications	Units	063853	063854	063855
Air volume	m ³ /h	180	300	450
Heat output	kW	0.9	1.2	1.8
Temperature rise	°C	16.8	14.2	3.4
Power consumption, 1 x 230V	A	4.1	5.5	8.2
Duct connection	∅ mm	125	160	250
Weight	kg	3.0	3.5	5.0



DIMENSIONS



ACCESSORIES

ENTHALPY HEAT EXCHANGERS












Heat recovery takes place in a highly efficient counter-flow heat exchanger, which is able to achieve optimum efficiency with the least possible loss of pressure in connection with the low air volumes used in housing. Transferring the humidity from the extract air to the fresh supply air prevents a dry indoor climate during wintertime. In the summer, when the relative humidity of the outdoor air is high, supply air will be dehumidified when passing through the enthalpy exchanger. This makes the supply air feel comfortably cold. Because of their superb ability to recover both heat and humidity, enthalpy exchangers are known to reduce heating costs substantially.

Illustration	Accessory	Description	HCV 300	HCV 400 P1-P2	HCV 460P2	HCV 500	HCV 700	HCH 5	HCH 8	HCC 2	HCC 260P1	HCC 360P2
	099183	Enthalpy heat exchanger For SWOP solution. Separate box including installation, labelling, flow chart etc.		•	•							
	099229	Enthalpy heat exchanger For SWOP solution. Separate box including installation, labelling, flow chart etc.								•	•	•

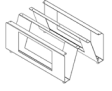

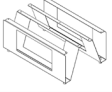






When the heat exchanger has been swapped, you need to use the PC Tool to change the unit type to the right enthalpy variant (E1). To ensure correct air balance, you will subsequently have to recalibrate the unit.

ACCESSORIES

PLUGS AND CABLES



Illustration	Accessory	Description	HCV 300	HCV 400	HCV 460	HCV 500	HCV 700	HCH 5	HCH 8	HCC 2	HCC 260 P1	HCC 360 E1
	087353	Condensate pump kit This condensate pump kit is designed for mounting on HCC 2 units where there is no safe drain with fall to a drainage or on units where the drain is too far away. The kit is furnished with a bracket for fixing it to the HCC 2 unit, a power supply cable for connection to the HCC 2 unit, pressure equalisation hose and drain hose.								•		
	108625	Condensate pump kit This condensate pump kit is designed for mounting on HCC 260 and HCC 360 units where there is no safe drain with fall to a drainage or on units where the drain is too far away.									•	•
	064885	Power supply, 230VAC - 24VDC for duct control The 24VDC power supply is used together with HAC if the ventilation unit is controlling duct damper motors.	•	•	•	•	•	•	•	•	•	•
	086861	Digital plug, 25 pcs This digital plug is connected to the control of the unit. This allows to override the following fan speed, fire/smoke/negative pressure/stop+alarm and high water level stop.	•	•	•	•	•			•	•	•
	087619	USB cable, 3m USB cable to be used in connection with software update of units and Dantherm PC Tool (HPT 1).	•	•	•	•	•			•	•	•
	099104	Cable for HCP 11, 20m Extention cable for the wired HCP 11 control.	•	•	•	•	•			•	•	•
	086853	Calibration set, 10 pcs Calibration set for air flow calibration. Including 3m silicone tube, suction cups and fittings.	•	•	•	•	•			•	•	•
	062737	Siphon trap kit Including 2m 3/4" hose.							•	•		
	064807	Heat cable, 3m 230V, 10W/m including 5°C thermostat. For frost protection of condensate hose.							•	•		
	063887	Communication cable, 30m Cable with plug for connection of control panel to the HCH unit.							•	•		
	096427	Communication cable, 10m Cable with plug for connection of control panel to the HCH unit.							•	•		

INSTALLATION ACCESSORIES

Illustration	Accessory	Description	HCV 300	HCV 400	HCV 460	HCV 500	HCV 700	HCH 5	HCH 8	HCC 2	HCC 260 P1	HCC 360 E1
	053730	Floor stand Height 230mm and adjustable feet. RAL 9016 Traffic white.	●									
	099220	Floor stand Height 120mm and adjustable feet. RAL 9016 Traffic white.		●	●							
	052423	Floor stand Height 230mm and adjustable feet. RAL 9016 Traffic white.				●	●					
	098251	Mounting attrap, 2 sets To indicate the mounting dimensions in advance, without using the real unit. Includes 2 x mounting attrap + 2 x wall rails.		●	●							
	098426	Mounting attrap To indicate the mounting dimensions in advance, without using the real unit. Includes 2 x mounting attrap + 2 x wall rails.	●									
	052250	Inspection door 730 x 1200mm Mat white RAL 9016 with key.								●	●	●
	052251	Inspection door with sound insulation 730 x 1200mm Mat white RAL 9016 with key.								●	●	●
	052252	Inspection door 730 x 1500mm Mat white RAL 9016 with key.								●	●	●
	052254	Inspection door with sound insulation 730 x 1500mm Mat white RAL 9016 with key.								●	●	●

ACCESSORIES

DISPLAY KITS

Illustration	Accessory	Description	HCV 300	HCV 400	HCV 460	HCV 500	HCV 700	HCH 5	HCH 8	HCC 2	HCC 260 P1	HCC 360 E1
	051958	Display kit Kit including polycarbonate and mounting parts, flow chart and instructions.		●	●							
	051956	Display kit Kit including polycarbonate and mounting parts, flow chart and instructions.							●	●	●	●