





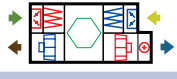
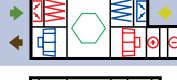






# Combination Examples

Rotary heat exchanger		Unit size														
		10	15	20	25	30	40	50	60	80	100	120	150	190	240	
Unit	Width	970	1120	1270	1420	1570	1720	2020	2170	2170	2370	2590	2890	3190	3490	
Rotary heat exchanger section	Width	-	-	-	-	-	-	-	-	-	2320	2520	2890	3040	3720	4020
Unit	Height*	970	1120	1270	1420	1570	1720	2020	2240	2540	2840	3140	3440	4340	4940	
C1 	Length	2160	2160	2460	2460	2760	3060	2910	3280	3210	3960	4260	4560	5010	5530	
	Weight kg	430	520	660	760	920	1100	1470	1980	2140	2630	3250	3990	6290	7610	
C2 	Length	2910	2910	3210	3210	3510	3810	3660	4030	4030	4930	5230	5530	5980	6430	
	Weight kg	500	610	770	870	1080	1270	1690	2250	2470	3050	3890	4690	7220	8600	
C3 	Length	2680	2680	3130	3130	3430	3880	4030	4400	4400	5450	5900	6200	6430	7100	
	Weight kg	480	580	730	810	1010	1220	1700	2230	2480	3160	3870	4660	6870	8280	
C4 	Length	3430	3430	3880	3880	4180	4630	4780	5220	5220	6420	7020	7170	7400	8000	
	Weight kg	560	660	840	930	1180	1390	1930	2560	2830	3610	4560	5320	7790	9180	
C5 	Length	2680	2680	3130	3130	3430	3880	3730	4100	4100	5080	5380	5680	6430	7100	
	Weight kg	480	570	720	800	1010	1220	1630	2120	2330	2970	3620	4390	6860	8280	
C6 	Length	3430	3430	3880	3880	4180	4630	4480	4850	4850	6050	6350	6650	7400	8000	
	Weight kg	550	660	840	920	1180	1380	1850	2410	2670	3370	4280	5060	7790	9170	

The above dimensions and weights are a guideline only. Accurate values and combinations are calculated in SystemairCAD.

\* Height excl. legs/base frame. The heights of DV 190 and 240 are incl. base frames.

Plate heat exchanger Counterflow heat exchanger		Unit size						
		10	15	20	25	30	40	50
Unit	Width	970	1120	1270	1420	1570	1720	2020
Unit	Height*	970	1120	1270	1420	1570	1720	2020
Q1 	Length	3280	3430	3880	3880	4480	4780	4930
	Weight kg	570	700	874	1003	1296	1508	2084
Q2 	Length	3890	4180	4630	4630	5230	5530	5680
	Weight kg	660	790	1000	1140	1470	1680	2310
Q3 	Length	3730	3950	4550	4550	5150	5600	5750
	Weight kg	650	760	970	1020	1400	1630	2270
Q4 	Length	4480	4700	5300	5300	5900	6350	6500
	Weight kg	720	840	1080	1190	1560	1800	2510
Q5 	Length	3730	3950	4550	4550	5150	5600	5750
	Weight kg	640	750	960	1050	1410	1450	2250
Q6 	Length	4480	4700	5300	5300	5900	6350	6500
	Weight kg	720	840	1080	1180	1550	1790	2490

The above dimensions and weights are a guideline only. Accurate values and combinations are calculated in SystemairCAD.\* Height excl. legs/base frame.

## Design an air handling unit

Danvent DV contains countless combination options. To ease the process of designing a unit the most popular combinations are illustrated here.

## Short building length

Choose EC blue fan if a short air handling unit is needed.

## Key to symbols







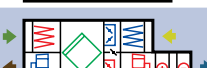

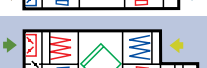
Exhaust air  Extract air   
 Outdoor air  Supply air 

Plate heat exchanger Cross-flow exchanger		Unit size											
		10	15	20	25	30	40	50	60	80	100	120	150
Unit	Width	970	1120	1270	1420	1570	1720	2020	2170	2170	2370	2590	2890
Unit	Height*	970	1120	1270	1420	1570	1720	2020	2240	2540	2840	3140	3440
Q1 	Length	3210	3580	4030	4330	4780	5080	5230	5460	5230	5910	6960	7260
	Weight kg	570	760	940	1130	1370	1640	2300	2550	2610	3210	4200	5130
Q2 	Length	3960	4330	4780	5080	5530	5830	5980	6210	5980	6880	7930	8230
	Weight kg	660	850	1060	1260	1540	1810	2520	2880	2910	3660	4870	5790
Q3 	Length	3800	4100	4700	5000	5450	5900	6050	6280	6280	7330	8380	8680
	Weight kg	650	820	1030	1140	1470	1760	2480	2720	2840	3620	4600	5550
Q4 	Length	4550	4850	5450	5750	6200	6650	6800	7030	6800	8000	9050	9350
	Weight kg	720	900	1140	1310	1630	1930	2720	3030	3130	3980	5150	6130
Q5 	Length	3800	4100	4700	5000	5450	5900	6050	6280	6130	7030	8080	8680
	Weight kg	640	810	1020	1170	1480	1750	2460	2700	2890	3690	4690	5840
Q6 	Length	4550	4850	5450	5750	6200	6650	6800	7100	6800	8000	9050	9350
	Weight kg	720	900	1140	1300	1620	1920	2700	3030	3200	4120	5320	6380


The above dimensions and weights are a guideline only. Accurate values and combinations are calculated in SystemairCAD.

\* Height excl. legs/base frame.

Run-around coil heat exchangers		Unit size													
		10	15	20	25	30	40	50	60	80	100	120	150	190	240
Unit	Width	970	1120	1270	1420	1570	1720	2020	2170	2170	2370	2590	2890	3190	3490
Single height unit	Height*	520	595	670	745	820	895	1045	1120	1270	1420	1570	1720	2170	2470
Double height unit	Height*	1040	1190	1340	1490	1640	1790	2090	2240	2540	2840	3140	3440	4340	4940
R1 	Length	2540	2540	2690	2690	2840	2990	2990	3140	3140	3590	3890	4110	5010	5230
	Weight kg	580	700	840	990	1170	1420	1980	2240	2460	2990	3800	4580	6290	7420
R2 	Length	3360	3360	3510	3510	3360	3810	3810	3960	3960	4560	4860	5010	5910	6060
	Weight kg	680	820	980	1150	1360	1620	2220	2550	2790	3510	4340	5170	7050	8270

The above dimensions and weights are a guideline only. Accurate values and combinations are calculated in SystemairCAD.

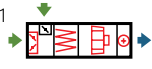


\* Height excl. legs/base frame. The heights of DV 190 and 240 are incl. base frames.

Integrated reversible heat pump		Unit size								
		10	15	20	25	30	40	50	60	80
Unit	Width	970	1120	1270	1420	1570	1720	2020	2170	2170
Rotary heat exchanger section	Width	-	-	-	-	-	-	-	-	2320
Unit	Height*	970	1120	1270	1420	1570	1720	2020	2240	2540
U1 	Length	3280	3280	3280	3580	3730	4030	5080	5150	5450
	Weight kg	550	650	1040	1290	1460	1780	2700	3460	3870

The above dimensions and weights are a guideline only. Accurate values and combinations are calculated in SystemairCAD.


\* Height excl. legs/base frame.

# Combination Examples

Recirculated air		Unit size													
		10	15	20	25	30	40	50	60	80	100	120	150	190	240
Unit	Width	970	1120	1270	1420	1570	1720	2020	2170	2170	2370	2590	2890	3190	3490
Single height unit	Height*	520	595	670	745	820	895	1045	1120	1270	1420	1570	1720	2170	2470
Double height unit	Height*	970	1120	1270	1420	1570	1720	2020	2240	2540	2840	3140	3440	4340	4940
M1 	Length	2240	2240	2390	2390	2540	2840	2690	2840	2990	3660	3810	3960	4410	5080
	Weight kg	250	280	350	390	470	560	800	900	1000	1300	1560	1900	2320	3040
M2 	Length	3060	3060	3210	3210	3360	3660	3510	3660	3810	4410	4560	4710	5380	5980
	Weight kg	330	400	480	560	640	780	1050	1180	1320	1660	2140	2460	3250	3940
M3 	Length	3580	3580	3880	3880	4180	4780	4480	4780	5080	5980	6350	6650	7550	8820
	Weight kg	390	450	560	620	760	940	1270	1470	1630	2060	2660	3150	3930	5100
M4 	Length	4400	4400	4700	4700	5000	5600	5300	5600	5900	6950	7250	7620	8520	9720
	Weight kg	480	560	690	790	940	1150	1550	1760	1960	2530	3250	3800	4850	6000
M5 	Length	2610	2610	2910	2910	3210	3660	3360	2990	2990	3590	3810	3960	4710	5080
	Weight kg	360	430	530	580	750	910	1220	1360	1520	1950	2510	2990	4190	5150
M6 	Length	3430	3430	3730	3730	4030	4480	4180	3810	3880	4630	4780	4860	5680	5980
	Weight kg	460	540	670	730	930	1150	1480	1650	1880	2430	3150	3570	5110	6050

The above dimensions and weights are a guideline only. Accurate values and combinations are calculated in SystemairCAD.



\* Height excl. legs/base frame. The heights of DV 190 and 240 are incl. base frames.

Supply air		Unit size													
		10	15	20	25	30	40	50	60	80	100	120	150	190	240
Unit	Width	970	1120	1270	1420	1570	1720	2020	2170	2170	2370	2590	2890	3190	3490
Single height unit	Height*	520	595	670	745	820	895	1045	1120	1270	1420	1570	1720	2170	2470
Double height unit	Height*	1040	1190	1340	1490	1640	1790	2090	2240	2540	2840	3140	3440	4340	4940
S1 	Length	1940	1940	2090	2090	2240	2390	2240	2390	2390	2690	2990	3140	4040	4260
	Weight kg	220	260	320	370	430	510	700	800	880	1100	1400	1700	2250	2820
S2 	Length	2690	2690	2840	2840	2990	3140	2990	3140	3140	3590	3960	4110	5010	5160
	Weight kg	310	370	450	520	620	730	960	1110	1230	1490	2020	2320	3170	3720
S3 	Length	1940	1940	2090	2090	2240	2390	2240	2390	2390	2690	2990	3140	4040	4260
	Weight kg	340	400	500	580	690	830	1140	1320	1440	1790	2350	2800	3690	4560
S4 	Length	2690	2690	2840	2340	2990	3140	2990	3140	3140	3590	3960	4110	5010	5160
	Weight kg	430	510	630	730	870	1040	1400	1630	1790	2180	2960	3410	4610	5460

The above dimensions and weights are a guideline only. Accurate values and combinations are calculated in SystemairCAD.

\* Height excl. legs/base frame. The heights of DV 190 and 240 are incl. base frames.

### Key to symbols

- Exhaust air 
- Outdoor air 
- Extract air 
- Supply air 