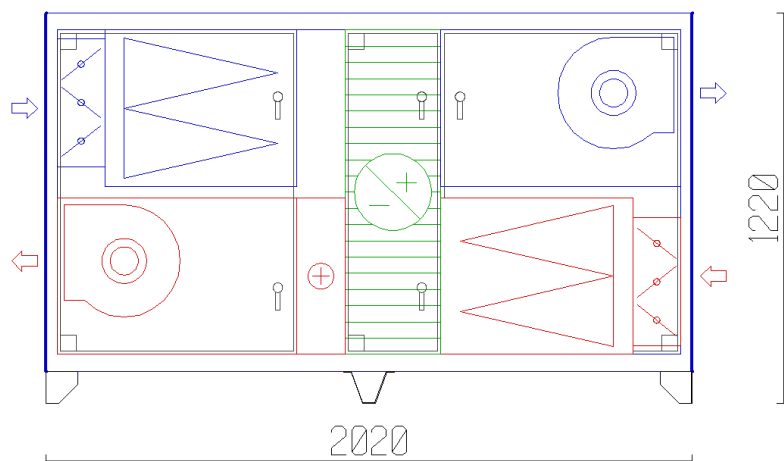




Summary for unit no. 4

Unit size	15	
Unit width	1120	mm
Weight	529	kg

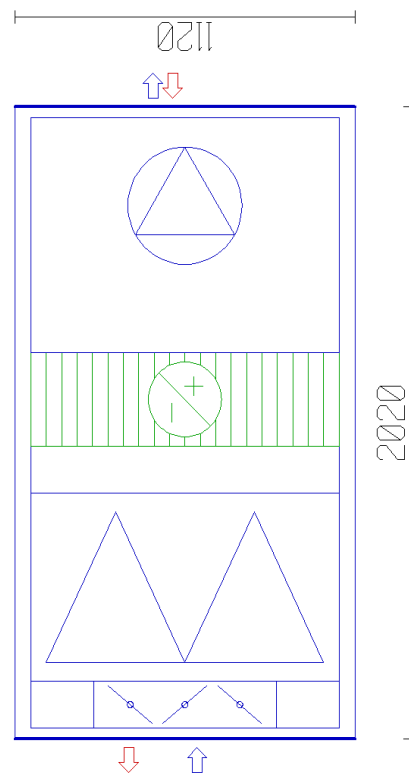
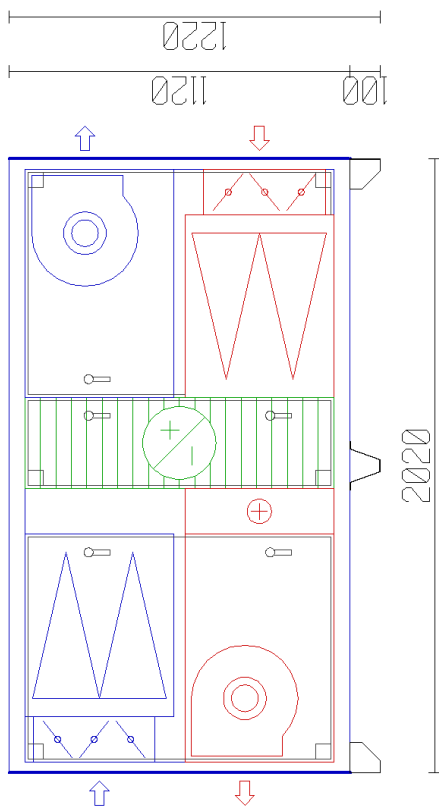


	Supply		Extract	
Air flow	1.20	m ³ /s	1.20	m ³ /s
Face velocity (unit)	2.42	m/s	2.42	m/s
External pressure	250	Pa	250	Pa
Filter	F5		G3	
Fan	58	%	57	%
	724	Pa	644	Pa
	1805	RPM	1698	RPM
Motor	2.30/0.50	kW	1.70/0.35	kW
	3x400	V	3x400	V
	5.20/1.90	A	4.00/1.60	A
Starting current	36.40	A	28.00	A
SFP, clean filters excluding frequency converter	3.07	kW/(m ³ /s)		
Heat recovery	72.0	%		
Heating	21.62 kW - Air 7.1/22.0°C - Water 60/40°C - 9.8 kPa - 0.26 l/s			
Pipe connections	1" / 1"			

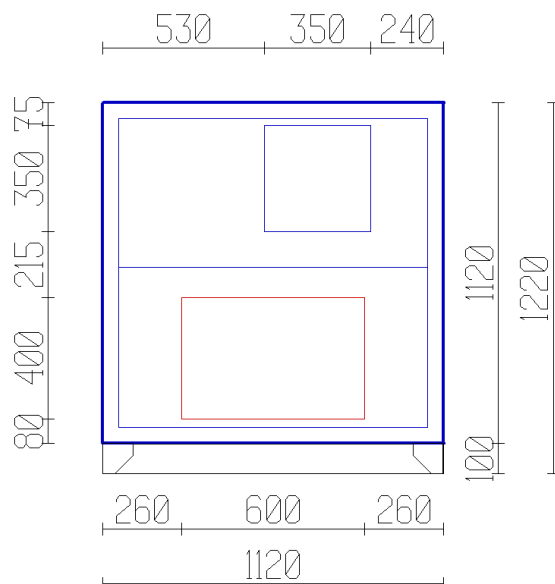
Sound power level	63	125	250	500	1k	2k	4k	8k	Hz	Total	
Supply air, outlet	83	82	79	77	75	72	67	63	dB	80	dB(A)
Outdoor air, inlet	78	77	74	67	61	53	45	36	dB	69	dB(A)
Extract air, outlet	82	81	78	76	74	71	66	62	dB	79	dB(A)
Exhaust air, inlet	78	77	74	67	62	55	47	39	dB	70	dB(A)
Sound break out	77	75	61	53	50	46	40	35	dB	61	dB(A)

Access side

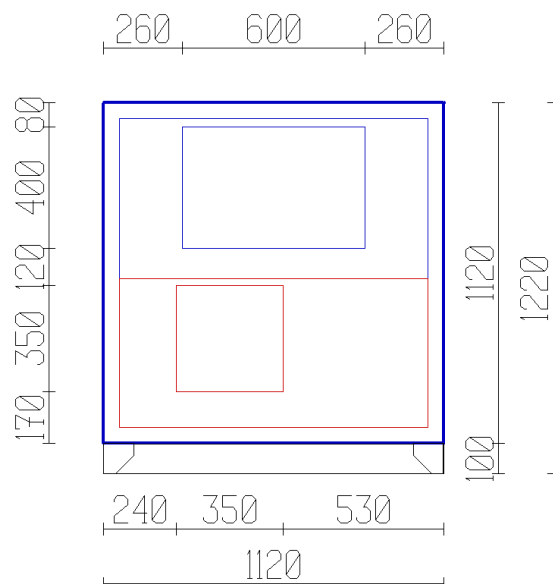
Plan view



Right end



Left end



**Note****Technical specification****The supply unit consist of****Damper**

Pressure drop	10	Pa
Damper blades	Standard	

Filter

Dimensioning pressure drop	122	Pa
Initial pressure drop/Final pressure drop	76/168	Pa
Velocity, face area	3.13	m/s
Velocity, filter area	0.25	m/s
Filter class	F5	
Filter size	2x[490x392]	
Filter length	535	mm

Rotary heat exchanger

	Supply unit	Extract unit	
Air flow	1.20	1.20	m ³ /s
Pressure drop	167	167	Pa
WINTER Air temperature in winter before/after	-24.0/9.1	22.0/3.4	°C
Air relative humidity in winter before/after	90/79	60/100	%
Output	48.22		kW
Temperature efficiency	72.0		%
Heat exchanger type		Standard	
Rotor drive		Constant speed	
Electrical data		3x230/400V, 0.67/0.38Amp	

Heating coil, Fluid

Air flow	1.20	m ³ /s
Pressure drop	48	Pa
Air temperature before/after	7.1/22.0	°C
Output	21.62	kW
Face velocity	3.07	m/s
Fluid type	Water	
Fluid temperature inlet/outlet	60.0/40.0	°C
Fluid flow rate	0.26	l/s
Fluid pressure drop	9.8	kPa
Fluid velocity	0.75	m/s
Coil volume	2.8	l
Connection side	Left	
Connection size inlet/outlet	1" / 1"	
Tube material	Cu	
Fin material	Al	
Fin spacing	2.1	mm
No. of rows	2	
Coil code	DVH-15-W-Z-2-5-450-870-2.1-CU-AL-V-1	



Fan , Centrifugal FK

Belt drive		
Air flow	1.20	m3/s
Fan static pressure	597	Pa
External pressure	250	Pa
Total pressure	724	Pa
Fan speed	1805	RPM
Fan efficiency	58	%
Absorbed power	1.49	kW
Maximum fan speed	3400	RPM
Maximum fan power	5.00	kW
Blade type	Forward curved	

Motor

Motor type	Standard	
IEC-size	M2AA 100	
Motor protection	None	
Windings	Dahlander	
Output	2.30/0.50	kW
Speed (nominal)	1415/715	RPM
Current, Amp.	5.20/1.90	A
Starting current	36.40	A
Efficiency	76/63	%
Voltage	3x400	V
Consumed power from main power supply, excluding frequency converter	2.02	kW
Consumed power from main power supply, including frequency converter	2.13	kW

Belt	Fan	Pulley	SPZ-90-2
		Bushing	1610-20
		Shaft, Ø	20
	Motor	Pulley	SPZ-112-2
		Bushing	1610-28
		Shaft, Ø	28
	Belts	Amount	2
		Type	XPZ-837

The extract unit consist of

Damper

Pressure drop	10	Pa
Damper blades	Standard	

Filter

Dimensioning pressure drop	87	Pa
Initial pressure drop/Final pressure drop	53/121	Pa
Velocity, face area	3.13	m/s
Velocity, filter area	0.40	m/s
Filter class	G3	
Filter size	2x[490x392]	



Empty section

Pressure drop	4	Pa
Length	150	mm

Rotary heat exchanger

Data are stated on supply.

Fan , Centrifugal FK

Belt drive		
Air flow	1.20	m3/s
Fan static pressure	518	Pa
External pressure	250	Pa
Total pressure	644	Pa
Fan speed	1698	RPM
Fan efficiency	57	%
Absorbed power	1.36	kW
Maximum fan speed	3400	RPM
Maximum fan power	5.00	kW
Blade type	Forward curved	

Motor

Motor type	Standard	
IEC-size	M2AA 90	
Motor protection	None	
Windings	Dahlander	
Output	1.70/0.35	kW
Speed (nominal)	1390/700	RPM
Current, Amp.	4.00/1.60	A
Starting current	28.00	A
Efficiency	74/57	%
Voltage	3x400	V
Consumed power from main power supply, excluding frequency converter	1.89	kW
Consumed power from main power supply, including frequency converter	1.99	kW

Belt	Fan	Pulley	SPZ-90-2
		Bushing	1610-20
		Shaft, Ø	20
	Motor	Pulley	SPZ-112-2
		Bushing	1610-24
		Shaft, Ø	24
	Belts	Amount	2
		Type	XPZ-837

Other parts

Sections

Product	Dimensions (width x height x length)	Weight
CS-15-0-2020-1-2	1120 x 1120 x 2020 mm	521 kg

Feet

Product	Dimensions (width x height x length)	Weight
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DVZ-15-2

1120 x 100 x 2020 mm

9 kg

Feets are supplied mounted on the unit casing.