komfovent®

Domekt R 400 V

(Domekt REGO 400V)

Nominal air flow, m^3/h	290
Panel thickness, mm	25
Unit weight, kg	42
Supply voltage, V	1~ 230
Maximal operating current, A	HE 5,5 / HW 1,5
Thermal efficiency of heat recovery, %	87
Reference flow rate, m^3/s	0,06
Reference pressure difference, Pa	50
SPI, $W/(m^3/h)$	0,26
Filters dimensions B×H×L, mm	450×210×46-M5
Electric power input of the fan drive at reference flow rate, W	21
Electric power input of the fan drive at maximum flow rate, W	67
Electric air heater capacity, kW / Δt, °C	1,0 / 14
Control panel	KOMFOVENT C4 / C4.1



The photo is intended for informational purposes only, exact details may vary.

Acoustic Data

A-weighted sound power level L_{WA}, dB(A) at reference flow rate

Supply Inlet	54
Supply Outlet	67
Exhaust Inlet	52
Exhaust Outlet	67
Casing	31

A-weighted sound pressure level L_{PA}, dB(A)
10 m^2 normally isolated room, distance from casing – 3 m.

Surroundings	20

Temperature efficiency

	Winter					Summer
Outside temperature, °C	-23	-15	-10	-5	0	30
After heat exchanger*, °C	16,2	17,2	17,8	18,5	19,1	23

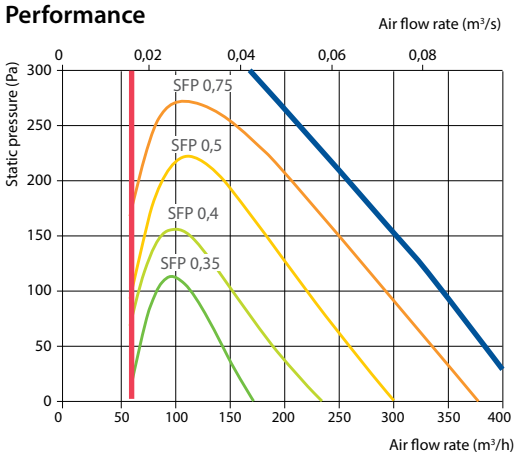
* indoor +22°C, 20 % RH

Hot water duct air heater (DH)**

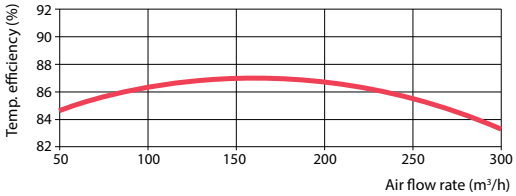
	Winter			
Water temperature in/out, °C	90/70	80/60	70/50	60/40
Capacity, kW	0,6	0,6	0,6	0,6
Flow rate, dm^3/h	25	24	24	24
Pressure drop, kPa	1	1	1	1
Temperature in/out, °C	16,2/22			
Maximal capacity, kW	2	1,6	1,2	0,9
Connection, ”	½			
Dimensions, mm	315×315×220			
Hot water duct heater type	DH-160			

** option

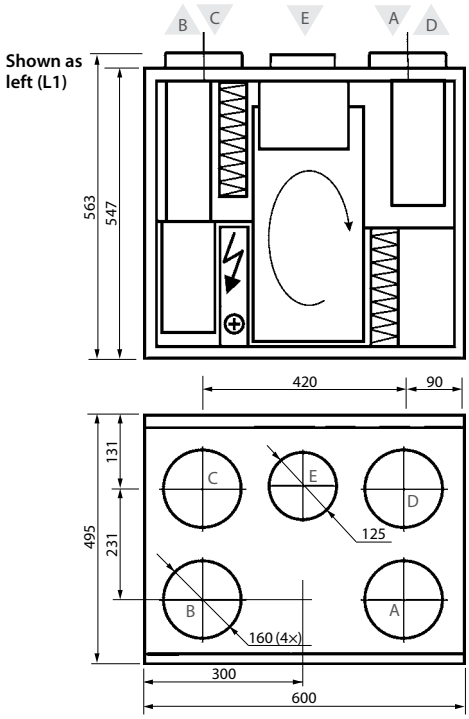
Performance



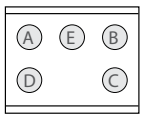
Temperature efficiency



Indoor and outdoor ΔT=13°C re: *Ecodesign 1254/2014.*



Shown as right (R1)



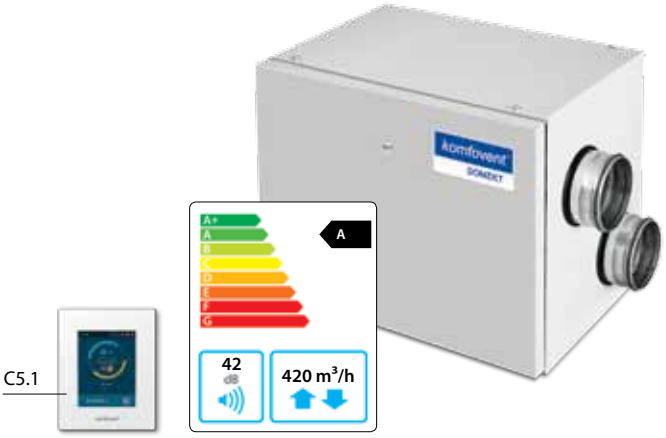
A outdoor intake
B supply air
C extract indoor
D exhaust air
E additional extraction connection (by-pass – extraction without heat recovery)

UAB AMALVA reserves the right to introduce the changes of parameters and sizes in the process of improvement of the air handling units.
All data can be calculated in DOMEKT selection software. If data of performance do not correspond to data in the selection software, please refer to data shown in software.

Domekt R 400 H

(Kompakt REGO 400H)

Nominal air flow, m³/h	420
Panel thickness, mm	50
Unit weight, kg	48
Supply voltage, V	1~ 230
Maximal operating current, A	HE 6,6 / HW 2
Thermal efficiency of heat recovery, %	85
Reference flow rate, m³/s	0,08
Reference pressure difference, Pa	50
SPI, W/(m³/h)	0,34
Filters dimensions B×H×L, mm	410×200×46-M5
Electric power input of the fan drive at reference flow rate, W	47
Electric power input of the fan drive at maximum flow rate, W	94
Electric air heater capacity, kW / Δt, °C	1,0 / 9,5
Control panel	KOMFOVENT C5.1



The photo is intended for informational purposes only, exact details may vary.

Acoustic Data

A-weighted sound power level L_{WA}, dB(A) at reference flow rate

Supply Inlet	59
Supply Outlet	68
Exhaust Inlet	60
Exhaust Outlet	68
Casing	42

A-weighted sound pressure level L_{PA}, dB(A)
10 m² normally isolated room, distance from casing – 3 m.

Surroundings	31

Temperature efficiency

	Winter					Summer
Outside temperature, °C	-23	-15	-10	-5	0	30
After heat exchanger*, °C	12,2	13,7	14,6	15,5	16,4	21,8

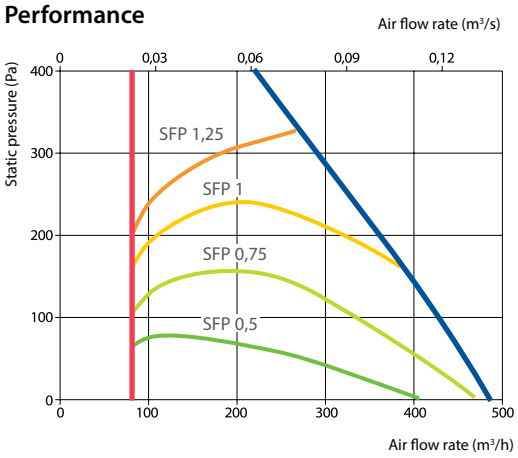
* indoor +22°C, 20 % RH

Hot water duct air heater (DH)**

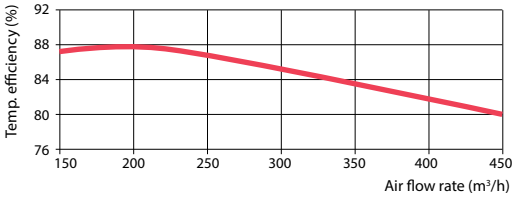
	Winter			
Water temperature in/out, °C	90/70	80/60	70/50	60/40
Capacity, kW	1,4	1,4	1,4	1,4
Flow rate, dm³/h	62	61	61	61
Pressure drop, kPa	1	1	1	1
Temperature in/out, °C	12,2/22			
Maximal capacity, kW	3,6	2,9	2,2	1,6
Connection, ”	½			
Dimensions, mm	315×315×220			
Hot water duct heater type	DH-160			

** option

Performance

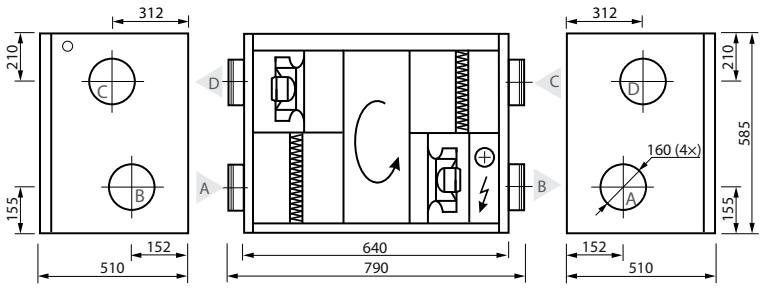


Temperature efficiency



Indoor and outdoor ΔT=13°C re: *Ecodesign 1254/2014.*

Shown as right (R1)



Shown as left (L1)



A outdoor intake
B supply air
C extract indoor
D exhaust air

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