

komfovent[®]

DOMEKT

Smart
Home Comfort



Range review

Energy saving

- Modern energy efficient EC fans.
- High efficiency rotary exchangers.
- High efficiency counterflow plate heat exchangers.
- High filtration class and low resistance air filters.

Design

- Minimalist design.
- Airtight doors. Locks without thermal bridges. Ergonomic handles.
- Plastic duct connections ensure better tightness and reduce thermal bridges.
- Additional duct connection is intended for the short-term removal of polluted air from the stove or sanitary rooms.

Smart control

- "Komfovent Control" app.
- Ability to control via a web browser.
- Integration into a smart home management system.
- Demand control ventilation according to the air quality parameters by connecting additional sensors.

Casing technology EPP (expanded polypropylene)

- No thermal bridges, no condensation.
- Improved thermal insulation.
- Better aerodynamics.
- Reduced weight.
- Hydrophobic.
- Applied to DOMEKT R 300 V, CF 200 F, CF 200 V, CF 300 V.

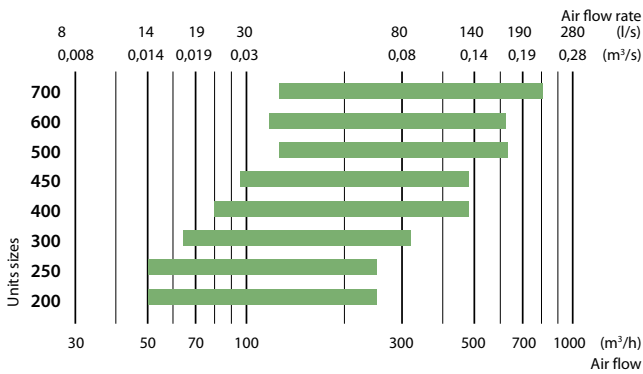
Reliability and durability

- The housing of the units is made of galvanized steel with a powder coated finish.
- Fan motors are protected from humidity and dust, and equipped with long-life bearings.

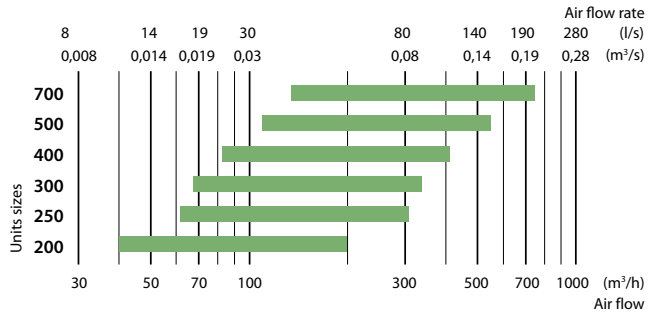
Low noise level

- Perfectly balanced fans.
- All of the unit's components are aerodynamically matched.
- The casing is insulated with mineral wool and special composite materials.

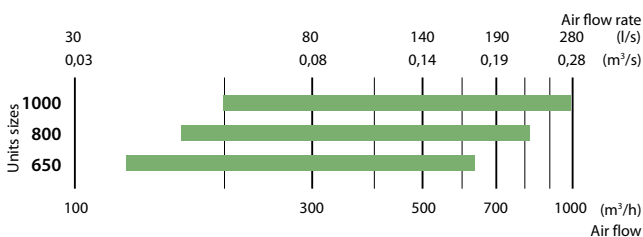
Domekt R | with rotary heat exchanger



Domekt CF | with counter flow heat exchanger



Domekt S | supply air handling unit



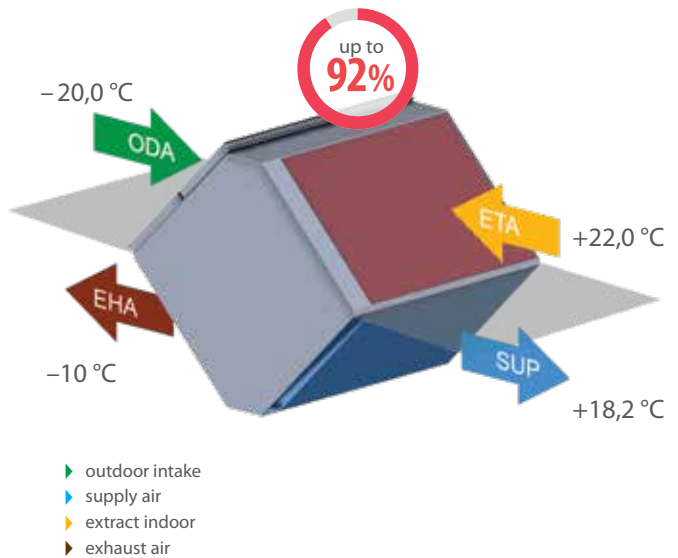
Counterflow plate heat exchangers

Operating principle

The plate heat exchangers are made of aluminium or plastic plates, which have gaps for air to flow. Fresh outdoor air and extract outdoor air flows in opposite directions through every second gap of the entire surface of the plates. Extract air transmits thermal energy to fresh outdoor air. Air flows do not mix. During winter, when the air is extracted from the room, the air cools in the heat and the humidity in it turns into ice, which makes plate heat exchangers more suitable for a medium and warm climate zone where there is no significant frost and no danger of icing. In cold weather, the automatic control system solves the problem of icing, but a lot of heat is lost, resulting in decreased seasonal efficiency and increased payback time.

Advantages

- High thermal efficiency.
- Very low air mixing between flows.
- Perfect solution for premises with high humidity, as it effectively eliminates humidity in the cold seasons.



Enthalpy heat exchanger – higher comfort

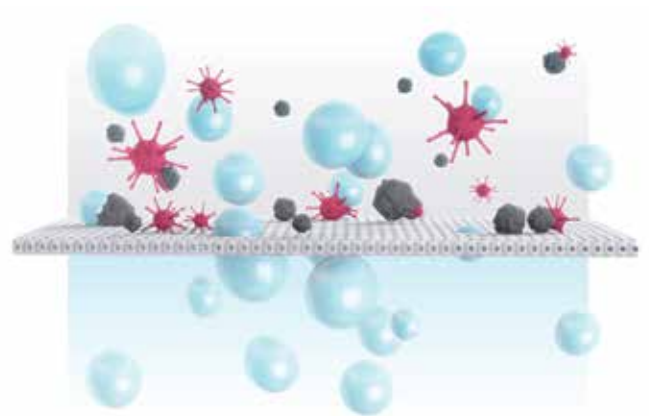
During the winter time counterflow heat exchangers dries the air of premises. In order to solve this issue, an enthalpy counterflow plate heat exchanger was developed. Its properties were close to the rotary heat exchanger – enthalpy can operate without freezing up to -15°C , recovers humidity during the winter, and more efficiently saves the cold in the summer.

Operating principle

Outlet air humidity is recovered to inlet air through a special patented membrane, which does not allow outside dirt and bacteria to get into the premises.

Patented membrane

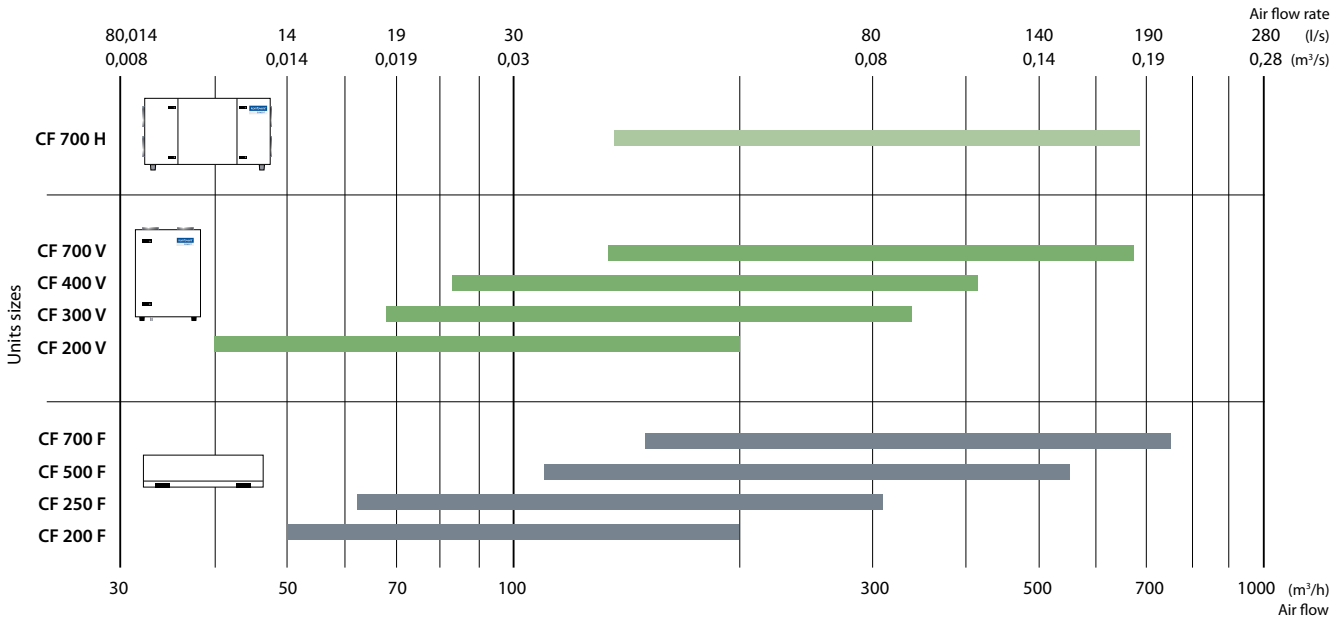
Compared to cellulosic enthalpy heat exchangers, which have a limited life span, patented enthalpy heat exchanger manufactured from a special membrane achieves the best results in heat and humidity regeneration, moreover, the exchanger is very hygienic and durable.



Domekt CF

Air handling units with counterflow plate heat exchangers

Sizes and air volumes of Domekt CF units



Modifications of Domekt CF units

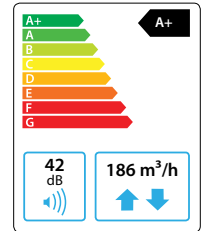
| Unit | Heat exchanger | | Supply/exhaust air filter class | | Preheater | Heater | | | Cooler | | Inspection side | | | | Bypass | | | Control system | | |
|-----------------|----------------|----------|---------------------------------|----|-----------|--------|----|-----|--------|------|-----------------|----|----|----|--------|----|-----|----------------|--|--|
| | Condensing | Enthalpy | F7 | M5 | HE | HE | DH | HCW | HCW | HCDX | R1 | R2 | L1 | L2 | Inner | C6 | C6M | C8 | | |
| Domekt CF 200 F | ● | ○ | ○ | ● | ● | ● | △ | △ | △ | | | ○ | ○ | | ● | | | ● | | |
| Domekt CF 200 V | ● | ○ | ○ | ● | ● | ● | △ | △ | △ | | ○ | ○ | | | ● | | | ● | | |
| Domekt CF 250 F | ● | ○ | ○ | ● | ● | ● | △ | △ | △ | | ○ | ○ | ○ | ○ | ● | | | ● | | |
| Domekt CF 300 V | ● | ○ | ○ | ● | ● | ● | △ | △ | △ | △ | ○ | ○ | | | ● | | | ● | | |
| Domekt CF 400 V | ● | ○ | ○ | ● | ● | ● | △ | △ | △ | △ | ○ | ○ | | | ● | | | ● | | |
| Domekt CF 500 F | ● | ○ | ○ | ● | ● | ● | △ | △ | △ | △ | ○ | ○ | ○ | ○ | ● | | | ● | | |
| Domekt CF 700 V | ● | ○ | ○ | ● | ● | ● | △ | △ | △ | △ | ○ | ○ | | | ● | | | ● | | |
| Domekt CF 700 H | ● | ○ | ○ | ● | ● | ● | △ | △ | △ | △ | ○ | ○ | | | ● | | | ● | | |
| Domekt CF 700 F | ● | ○ | ○ | ● | ● | ● | △ | △ | △ | △ | ○ | ○ | ○ | ○ | ● | | | ● | | |

- standard equipment
- possible choice
- △ ordered separately duct heater/cooler

The markings are explained on p. 7.

Domekt CF 200 F C8

| | |
|---|------------|
| Maximal air flow, m ³ /h | 186 |
| Maximal air flow, l/s | 52 |
| Unit weight, kg | 28 |
| Supply voltage, V | 1~230 |
| Maximal operating current, A | 3 |
| Thermal efficiency of heat recovery, % | 88 |
| Reference flow rate, m ³ /s | 0,036 |
| Reference pressure difference, Pa | 50 |
| SPI, W/(m ³ /h) | 0,21 |
| Filters dimensions BxHxL, mm | 250x232x46 |
| Electric power input of the fan drive at reference flow rate, W | 13 |
| Electric power input of the fan drive at maximum flow rate, W | 41 |
| Electric air heater capacity, kW / Δt, °C | 0,5 / 10,7 |
| Maintenance space, mm | 300 |
| Control system | C8 |



Acoustic data

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

| | |
|----------------|----|
| Supply inlet | 50 |
| Supply outlet | 61 |
| Exhaust inlet | 50 |
| Exhaust outlet | 61 |
| Casing | 42 |

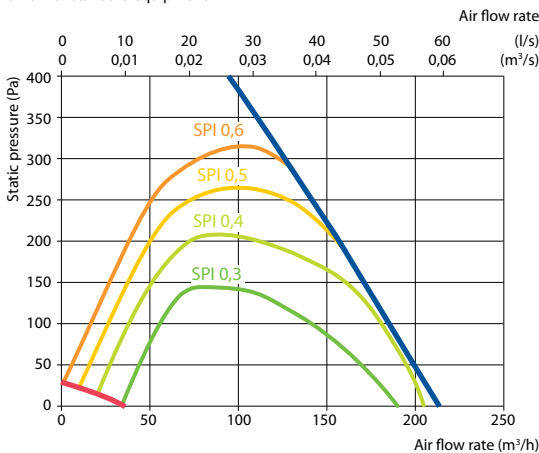
A-weighted sound pressure level L_{PA} , dB(A)

10 m² normally isolated room, distance from casing – 3 m.

| | |
|--------------|----|
| Surroundings | 31 |
|--------------|----|

Performance

Unit with standard equipment

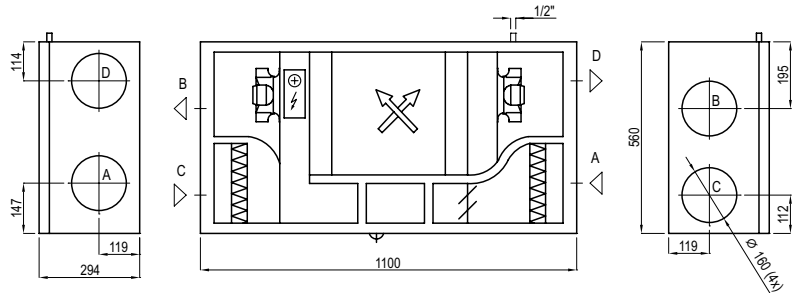


Temperature efficiency

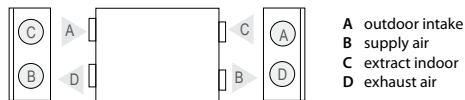
| Outside temperature, °C | Winter | | | | | Summer | | |
|--------------------------|--------|-----|------|------|------|--------|------|------|
| | -23 | -15 | -10 | -5 | 0 | 25 | 30 | 35 |
| After heat exchanger, °C | 17,4 | 18 | 18,4 | 18,8 | 19,4 | 22,4 | 22,9 | 23,5 |

indoor +22°C, 20 % RH

Shown as left (L1)



Shown as right (R2)



Accessories

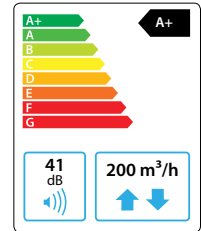
| | |
|----------------|--|
| Closing damper | AGUJ-M-160+LF230/CM230 |
| Silencer | A/D AGS-160-50-600-M B/C AGS-160-50-900-M |
| Water heater | DH-160 |
| PPU | PPU-HW-3R-15-0,4-W2 |

| | |
|----------------------|---------------|
| 2-way valve (heater) | VVP47.10-0,25 |
| Water cooler | DCW-0,2-1 |
| 2-way valve (cooler) | VVP47.10-1,6 |
| Outdoor grill | LD-160 |
| Water heater-cooler | DHCW-160 |



Domekt CF 200 V C6M

| | |
|---|------------|
| Maximal air flow, m ³ /h | 200 |
| Maximal air flow, l/s | 56 |
| Unit weight, kg | 42 |
| Supply voltage, V | 1~230 |
| Maximal operating current, A | HE8,3 |
| Thermal efficiency of heat recovery, % | 92 |
| Reference flow rate, m ³ /s | 0,039 |
| Reference pressure difference, Pa | 50 |
| SPI, W/(m ³ /h) | 0,22 |
| Filters dimensions B×H×L, mm | 365×132×46 |
| Electric power input of the fan drive at reference flow rate, W | 15 |
| Electric power input of the fan drive at maximum flow rate, W | 37 |
| Electric air heater capacity, kW / Δt, °C | 0,5 / 9,8 |
| Electric preheater capacity, kW / Δt, °C | 1 / 19,6 |
| Maintenance space, mm | 600 |
| Control system | C6M |



Acoustic data

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

| | |
|----------------|----|
| Supply inlet | 45 |
| Supply outlet | 59 |
| Exhaust inlet | 45 |
| Exhaust outlet | 59 |
| Casing | 41 |

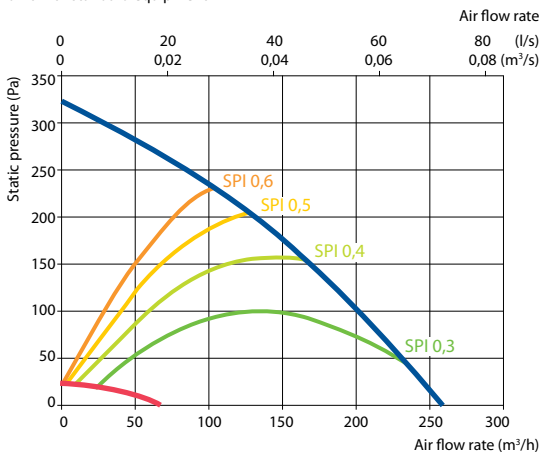
A-weighted sound pressure level L_{pA} , dB(A)

10 m² normally isolated room, distance from casing – 3 m.

| | |
|--------------|----|
| Surroundings | 30 |
|--------------|----|

Performance

Unit with standard equipment



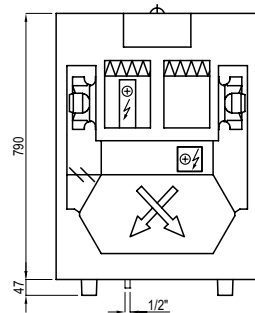
Temperature efficiency

| Outside temperature, °C | Winter | | | | | Summer | | |
|---------------------------|--------|-------|-------|------|------|--------|------|------|
| | -23 | -15 | -10 | -5 | 0 | 25 | 30 | 35 |
| After heat exchanger*, °C | 18,9* | 19,0* | 19,0* | 19,0 | 19,6 | 22,3 | 22,9 | 23,4 |

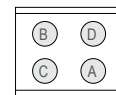
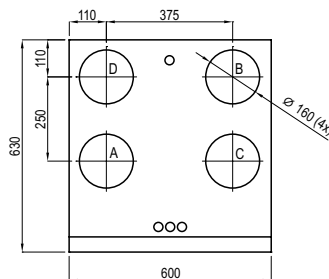
indoor +22°C, 20% RH.

* calculations made after evaluation of the preheater.

Shown as right (R1)



Shown as left (L1)



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

Accessories

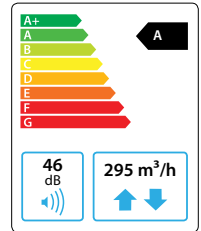
| | |
|----------------|------------------------|
| Closing damper | AGUJ-M-160+LF230/CM230 |
| Silencer | A/D AGS-160-50-600-M |
| | B/C AGS-160-50-900-M |
| Water heater | DH-160 |
| PPU | PPU-HW-3R-15-0,4-W2 |

| | |
|----------------------|---------------|
| 2-way valve (heater) | VVP47.10-0,25 |
| Water cooler | DCW-0,2-1 |
| 2-way valve (cooler) | VVP47.10-1,6 |
| Outdoor grill | LD-160 |
| Water heater-cooler | DHCW-160 |



Domekt CF 250 F C6

| | |
|---|------------|
| Maximal air flow, m ³ /h | 295 |
| Maximal air flow, l/s | 82 |
| Unit weight, kg | 52 |
| Supply voltage, V | 1~230 |
| Maximal operating current, A | 8,3 |
| Thermal efficiency of heat recovery, % | 86 |
| Reference flow rate, m ³ /s | 0,0574 |
| Reference pressure difference, Pa | 50 |
| SPI, W/(m ³ /h) | 0,29 |
| Filters dimensions BxHxL, mm | 265x250x46 |
| Electric power input of the fan drive at reference flow rate, W | 32 |
| Electric power input of the fan drive at maximum flow rate, W | 89 |
| Electric air heater capacity, kW / Δt, °C | 0,5 / 6,7 |
| Electric preheater capacity, kW / Δt, °C | 1 / 13,4 |
| Maintenance space, mm | 300 |
| Control system | C6 |



Acoustic data

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

| | |
|----------------|----|
| Supply inlet | 53 |
| Supply outlet | 65 |
| Exhaust inlet | 54 |
| Exhaust outlet | 65 |
| Casing | 46 |

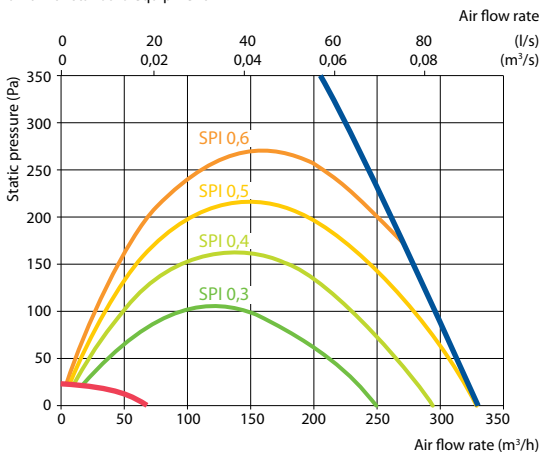
A-weighted sound pressure level L_{PA} , dB(A)

10 m² normally isolated room, distance from casing – 3 m.

| | |
|--------------|----|
| Surroundings | 35 |
|--------------|----|

Performance

Unit with standard equipment



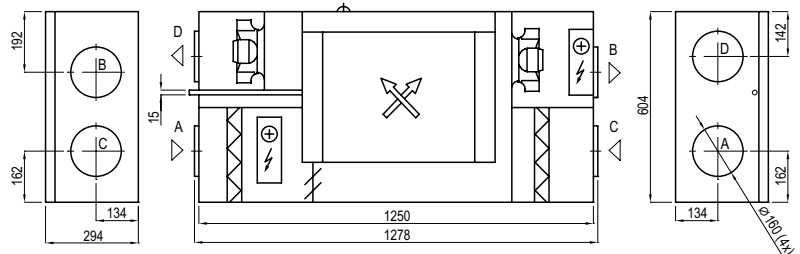
Temperature efficiency

| Outside temperature, °C | Winter | | | | | Summer | | |
|---------------------------|--------|-----|-----|----|------|--------|------|------|
| | -23 | -15 | -10 | -5 | 0 | 25 | 30 | 35 |
| After heat exchanger*, °C | 16,1* | 17* | 17* | 17 | 17,9 | 22,6 | 23,5 | 24,4 |

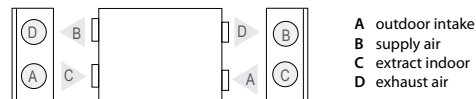
indoor +22°C, 20 % RH.

* calculations made after evaluation of the preheater.

Shown as right (R1)



Shown as left (L1)



Accessories

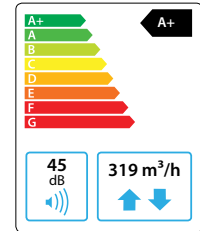
| | |
|----------------|--|
| Closing damper | AGUJ-M-160+LF230/CM230 |
| Silencer | A/D AGS-160-50-600-M B/C AGS-160-50-900-M |
| Water heater | DH-160 |
| PPU | PPU-HW-3R-15-0,4-W2 |

| | |
|----------------------|--------------|
| 2-way valve (heater) | VVP47.10-0,4 |
| Water cooler | DCW-0,2-1 |
| 2-way valve (cooler) | VVP47.10-1,6 |
| Outdoor grill | LD-160 |
| Water heater-cooler | DHCW-160 |



Domekt CF 300 V C6M

| | |
|---|------------|
| Maximal air flow, m ³ /h | 319 |
| Maximal air flow, l/s | 89 |
| Unit weight, kg | 42 |
| Supply voltage, V | 1~230 |
| Maximal operating current, A | HE8,3 |
| Thermal efficiency of heat recovery, % | 88 |
| Reference flow rate, m ³ /s | 0,062 |
| Reference pressure difference, Pa | 50 |
| SPI, W/(m ³ /h) | 0,29 |
| Filters dimensions B×H×L, mm | 365×132×46 |
| Electric power input of the fan drive at reference flow rate, W | 34 |
| Electric power input of the fan drive at maximum flow rate, W | 91 |
| Electric air heater capacity, kW / Δt, °C | 0,5 / 6,2 |
| Electric preheater capacity, kW / Δt, °C | 1 / 12,4 |
| Maintenance space, mm | 600 |
| Control system | C6M |



Acoustic data

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

| | |
|----------------|----|
| Supply inlet | 49 |
| Supply outlet | 65 |
| Exhaust inlet | 49 |
| Exhaust outlet | 65 |
| Casing | 45 |

A-weighted sound pressure level L_{pA} , dB(A)

10 m² normally isolated room, distance from casing – 3 m.

| | |
|--------------|----|
| Surroundings | 34 |
|--------------|----|

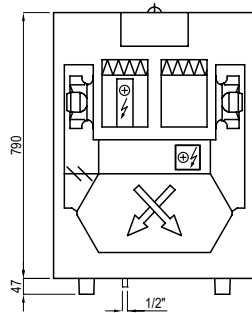
Temperature efficiency

| Outside temperature, °C | Winter | | | | | Summer | | |
|---------------------------|--------|-------|-------|------|------|--------|------|------|
| | -23 | -15 | -10 | -5 | 0 | 25 | 30 | 35 |
| After heat exchanger*, °C | 16,9* | 17,6* | 17,7* | 17,7 | 18,4 | 22,5 | 23,3 | 24,1 |

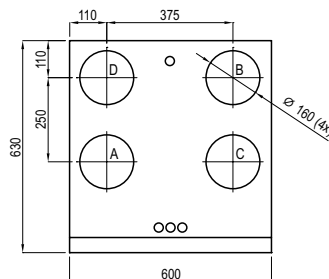
indoor +22°C, 20 % RH.

* calculations made after evaluation of the preheater.

Shown as right (R1)



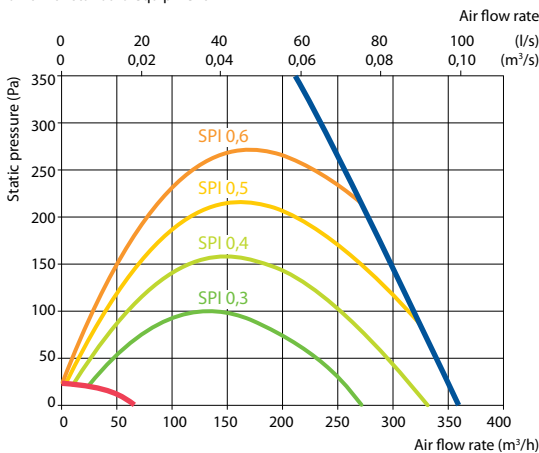
Shown as left (L1)



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

Performance

Unit with standard equipment

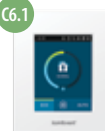


Accessories

| | |
|----------------------|------------------------|
| Closing damper | AGUJ-M-160+LF230/CM230 |
| Silencer | A/D AGS-160-50-600-M |
| | B/C AGS-160-50-900-M |
| Water heater | DH-160 |
| PPU | PPU-HW-3R-15-0,4-W2 |
| 2-way valve (heater) | VVP47.10-0,4 |

| | |
|----------------------|-------------------|
| Water cooler | DCW-0,2-1 |
| 2-way valve (cooler) | VVP47.10-1,6 |
| Outdoor grill | LD-160 |
| Water heater-cooler | DHCW-160 |
| Cooling unit | MOU-12HFN8+KA8140 |

C6.1

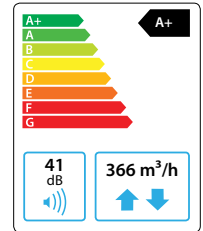


C6.2



Domekt CF 400 V C6

| | |
|---|------------|
| Maximal air flow, m ³ /h | 366 |
| Maximal air flow, l/s | 102 |
| Unit weight, kg | 54 |
| Supply voltage, V | 1~230 |
| Maximal operating current, A | HE10.5 |
| Thermal efficiency of heat recovery, % | 93 |
| Reference flow rate, m ³ /s | 0,071 |
| Reference pressure difference, Pa | 50 |
| SPI, W/(m ³ /h) | 0,25 |
| Filters dimensions BxHxL, mm | 350x235x46 |
| Electric power input of the fan drive at reference flow rate, W | 33 |
| Electric power input of the fan drive at maximum flow rate, W | 91 |
| Electric air heater capacity, kW / Δt, °C | 0,5 / 5,4 |
| Electric preheater capacity, kW / Δt, °C | 1,5 / 16,3 |
| Maintenance space, mm | 600 |
| Control system | C6 |



Acoustic data

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

| | |
|----------------|----|
| Supply inlet | 58 |
| Supply outlet | 53 |
| Exhaust inlet | 58 |
| Exhaust outlet | 53 |
| Casing | 41 |

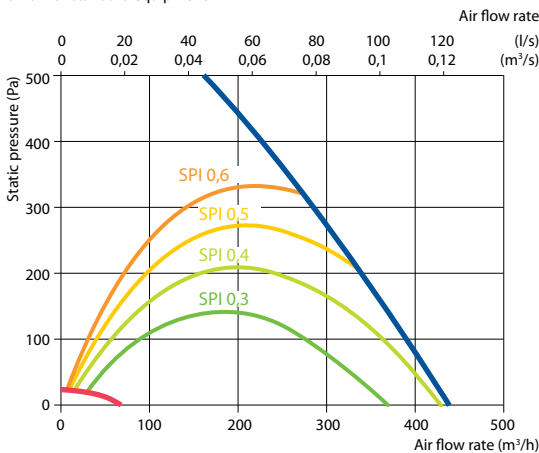
A-weighted sound pressure level L_{PA} , dB(A)

10 m² normally isolated room, distance from casing – 3 m.

| | |
|--------------|----|
| Surroundings | 31 |
|--------------|----|

Performance

Unit with standard equipment



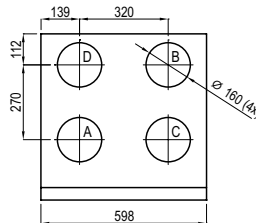
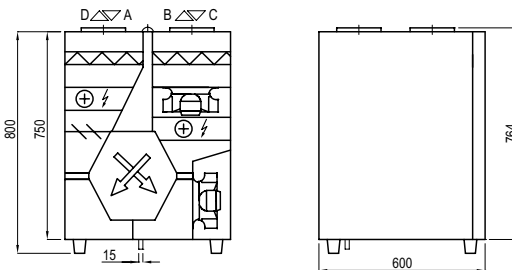
Temperature efficiency

| | Winter | | | | | Summer | | |
|---------------------------|--------|-------|-------|------|------|--------|------|----|
| Outside temperature, °C | -23 | -15 | -10 | -5 | 0 | 25 | 30 | 35 |
| After heat exchanger*, °C | 17,4* | 17,9* | 17,9* | 17,9 | 18,6 | 22,5 | 23,2 | 24 |

indoor +22°C, 20 % RH.

* calculations made after evaluation of the preheater.

Shown as right (R1)



Shown as left (L1)

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

Accessories

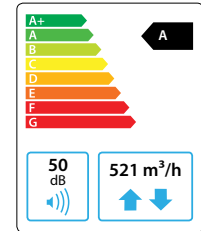
| | |
|----------------------|--|
| Closing damper | AGUJ-M-160+LF230/CM230 |
| Silencer | A/D AGS-160-50-600-M B/C AGS-160-50-900-M |
| Water heater | DH-160 |
| PPU | PPU-HW-3R-15-0,4-W2 |
| 2-way valve (heater) | VVP47.10-0,4 |

| | |
|----------------------|-------------------|
| Water cooler | DCW-0,4-3 |
| 2-way valve (cooler) | VVP47.10-1,6 |
| Outdoor grill | LD-160 |
| Water heater-cooler | DHCW-160 |
| Cooling unit | MOU-12HFN8+KA8140 |



Domekt CF 500 F C6

| | |
|---|------------|
| Maximal air flow, m ³ /h | 521 |
| Maximal air flow, l/s | 145 |
| Unit weight, kg | 93 |
| Supply voltage, V | 1~230 |
| Maximal operating current, A | HE 11,7 |
| Thermal efficiency of heat recovery, % | 87 |
| Reference flow rate, m ³ /s | 0,1013 |
| Reference pressure difference, Pa | 50 |
| SPI, W/(m ³ /h) | 0,34 |
| Filters dimensions B×H×L, mm | 484×250×46 |
| Electric power input of the fan drive at reference flow rate, W | 67 |
| Electric power input of the fan drive at maximum flow rate, W | 171 |
| Electric air heater capacity, kW / Δt, °C | 0,5 / 3,8 |
| Electric preheater capacity, kW / Δt, °C | 1,5 / 11,4 |
| Maintenance space, mm | 520 |
| Control system | C6 |



Acoustic data

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

| | |
|----------------|----|
| Supply inlet | 56 |
| Supply outlet | 70 |
| Exhaust inlet | 56 |
| Exhaust outlet | 70 |
| Casing | 50 |

A-weighted sound pressure level L_{pA} , dB(A)

10 m² normally isolated room, distance from casing – 3 m.

| | |
|--------------|----|
| Surroundings | 38 |
|--------------|----|

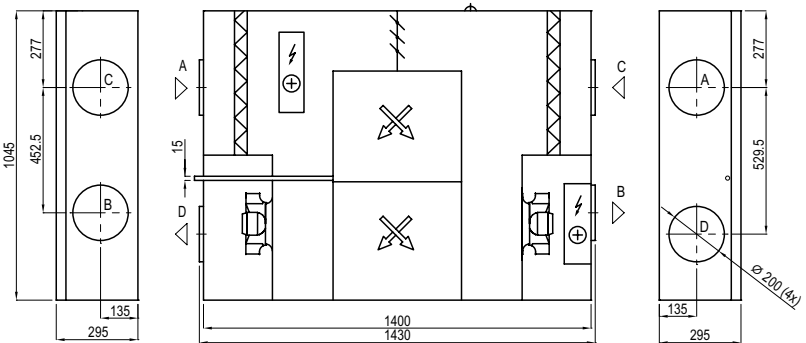
Temperature efficiency

| Outside temperature, °C | Winter | | | | | Summer | | |
|---------------------------|--------|-------|-------|------|------|--------|------|----|
| | -23 | -15 | -10 | -5 | 0 | 25 | 30 | 35 |
| After heat exchanger*, °C | 17,4* | 18,0* | 18,2* | 18,2 | 18,8 | 22,4 | 23,2 | 24 |

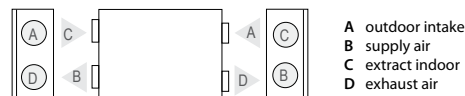
indoor +22°C, 20 % RH.

* calculations made after evaluation of the preheater.

Shown as right (R2)

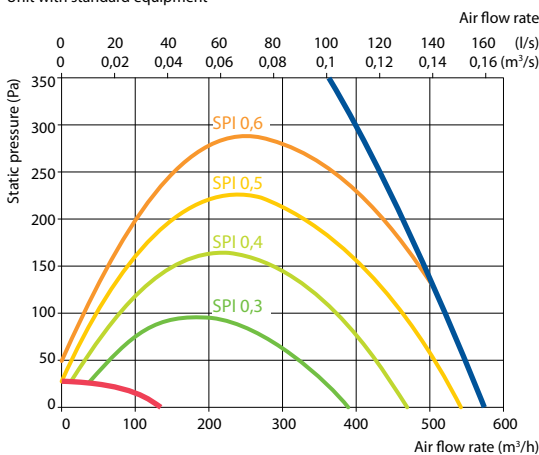


Shown as left (L2)



Performance

Unit with standard equipment



Accessories

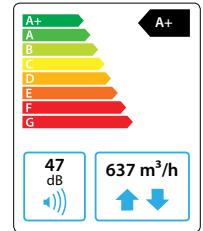
| | |
|----------------------|--|
| Closing damper | AGUJ-M-200+LF230/CM230 |
| Silencer | A/D AGS-200-50-600-M B/C AGS-200-50-900-M |
| Water heater | DH-200 |
| PPU | PPU-HW-3R-15-0,4-W2 |
| 2-way valve (heater) | VVP47.10-0,4 |

| | |
|----------------------|-------------------|
| Water cooler | DCW-0,5-3 |
| 2-way valve (cooler) | VVP47.10-1,6 |
| Outdoor grill | LD-200 |
| Water heater-cooler | DHCW-200 |
| DX cooler | DCF-0,5-3 |
| Cooling unit | MOU-12HFN8+KA8140 |



Domekt CF 700 V C6

| | |
|---|------------|
| Maximal air flow, m ³ /h | 637 |
| Maximal air flow, l/s | 177 |
| Unit weight, kg | 100 |
| Supply voltage, V | 1~230 |
| Maximal operating current, A | HE11,7 |
| Thermal efficiency of heat recovery, % | 88 |
| Reference flow rate, m ³ /s | 0,124 |
| Reference pressure difference, Pa | 50 |
| SPI, W/(m ³ /h) | 0,30 |
| Filters dimensions BxHxL, mm | 390x300x46 |
| Electric power input of the fan drive at reference flow rate, W | 73 |
| Electric power input of the fan drive at maximum flow rate, W | 179 |
| Electric air heater capacity, kW / Δt, °C | 0,5 / 3,1 |
| Electric preheater capacity, kW / Δt, °C | 1,5 / 9,3 |
| Maintenance space, mm | 1000 |
| Control system | C6 |



Acoustic data

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

| | |
|----------------|----|
| Supply inlet | 47 |
| Supply outlet | 67 |
| Exhaust inlet | 47 |
| Exhaust outlet | 67 |
| Casing | 47 |

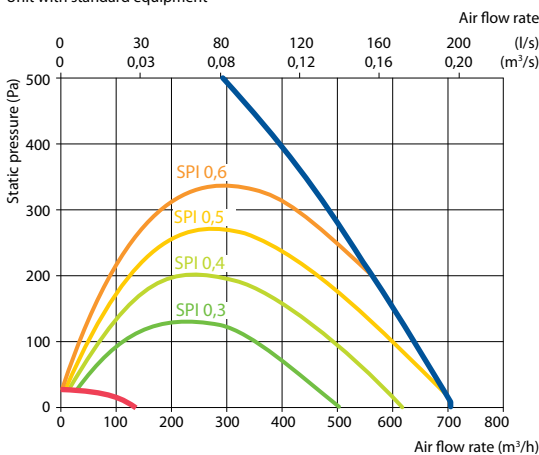
A-weighted sound pressure level L_{PA} , dB(A)

10 m² normally isolated room, distance from casing – 3 m.

| | |
|--------------|----|
| Surroundings | 36 |
|--------------|----|

Performance

Unit with standard equipment



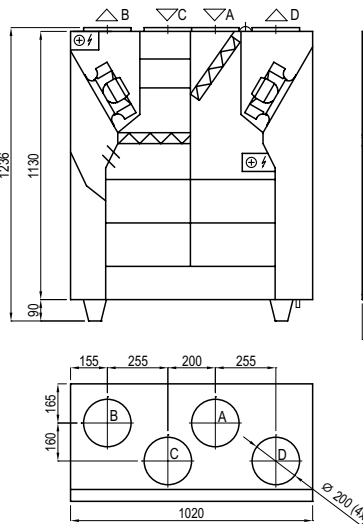
Temperature efficiency

| | Winter | | | | | Summer | | |
|---------------------------|--------|-------|-------|------|------|--------|------|------|
| Outside temperature, °C | -23 | -15 | -10 | -5 | 0 | 25 | 30 | 35 |
| After heat exchanger*, °C | 17,3* | 17,9* | 18,1* | 18,1 | 18,8 | 22,4 | 23,2 | 23,9 |

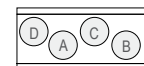
indoor +22°C, 20 % RH.

* calculations made after evaluation of the preheater.

Shown as left (L1)



Shown as right (R1)



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

Accessories

| | |
|----------------------|------------------------|
| Closing damper | AGUJ-M-200+LF230/CM230 |
| Silencer | A/D AGS-200-50-600-M |
| | B/C AGS-200-50-900-M |
| Water heater | DH-200 |
| PPU | PPU-HW-3R-15-0,4-W2 |
| 2-way valve (heater) | VVP47.10-0,4 |

| | |
|----------------------|-------------------|
| Water cooler | DCW-0,7-5 |
| 2-way valve (cooler) | VVP47.15-2,5 |
| Outdoor grill | LD-200 |
| Water heater-cooler | DHCW-200 |
| DX cooler | DCF-0,7-5 |
| Cooling unit | MOU-18HFN8+KA8140 |



Domekt CF 700 H C6

| | |
|---|------------|
| Maximal air flow, m ³ /h | 651 |
| Maximal air flow, l/s | 181 |
| Unit weight, kg | 115 |
| Supply voltage, V | 1~230 |
| Maximal operating current, A | HE 11,7 |
| Thermal efficiency of heat recovery, % | 88 |
| Reference flow rate, m ³ /s | 0,127 |
| Reference pressure difference, Pa | 50 |
| SPI, W/(m ³ /h) | 0,29 |
| Filters dimensions B×H×L, mm | 390×300×46 |
| Electric power input of the fan drive at reference flow rate, W | 72 |
| Electric power input of the fan drive at maximum flow rate, W | 178 |
| Electric air heater capacity, kW / Δt, °C | 0,5 / 3,0 |
| Electric preheater capacity, kW / Δt, °C | 1,5 / 9,1 |
| Maintenance space, mm | 500 |
| Control system | C6 |



Acoustic data

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

| | |
|----------------|----|
| Supply inlet | 47 |
| Supply outlet | 67 |
| Exhaust inlet | 47 |
| Exhaust outlet | 67 |
| Casing | 47 |

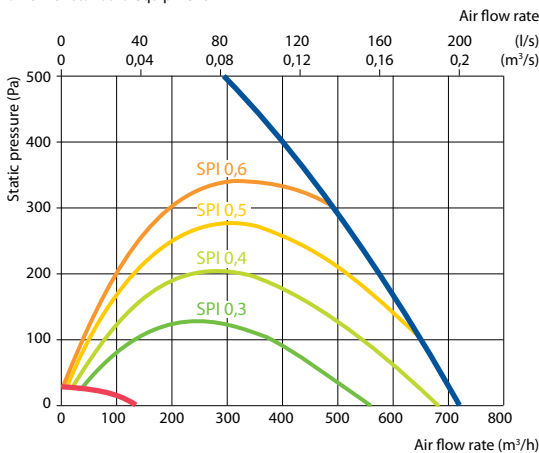
A-weighted sound pressure level L_{PA} , dB(A)

10 m² normally isolated room, distance from casing – 3 m.

| | |
|--------------|----|
| Surroundings | 36 |
|--------------|----|

Performance

Unit with standard equipment



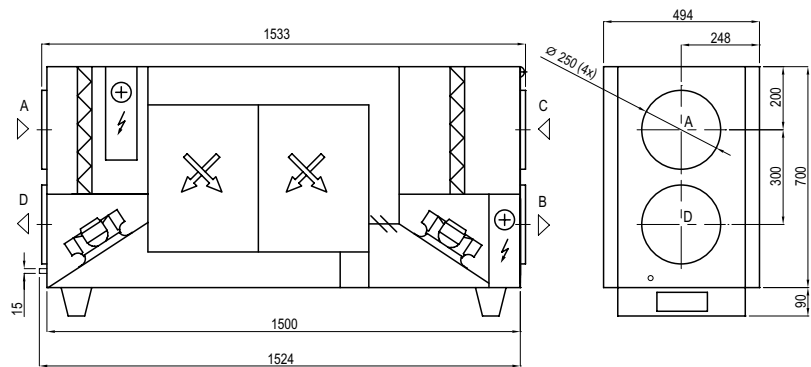
Temperature efficiency

| Outside temperature, °C | Winter | | | | | Summer | | |
|---------------------------|--------|-------|-----|----|------|--------|------|------|
| | -23 | -15 | -10 | -5 | 0 | 25 | 30 | 35 |
| After heat exchanger*, °C | 17,2* | 17,7* | 18* | 18 | 18,8 | 22,4 | 23,2 | 23,9 |

indoor +22°C, 20 % RH.

* calculations made after evaluation of the preheater.

Shown as right (R1)



Shown as left (L1)



Accessories

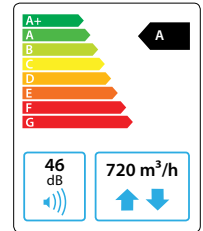
| | |
|----------------------|------------------------|
| Closing damper | AGUJ-M-250+LF230/CM230 |
| Silencer | A/D AGS-250-50-600-M |
| | B/C AGS-250-50-900-M |
| Water heater | DH-250 |
| PPU | PPU-HW-3R-15-0,63-W2 |
| 2-way valve (heater) | VVP47.10-0,63 |

| | |
|----------------------|-------------------|
| Water cooler | DCW-0,7-5 |
| 2-way valve (cooler) | VVP47.15-2,5 |
| Outdoor grill | LD-250 |
| Water heater-cooler | DHCW-250 |
| DX cooler | DCF-0,7-5 |
| Cooling unit | MOU-18HFN8+KA8140 |



Domekt CF 700 F C6

| | |
|---|------------|
| Maximal air flow, m ³ /h | 720 |
| Maximal air flow, l/s | 200 |
| Unit weight, kg | 81 |
| Supply voltage, V | 1~230 |
| Maximal operating current, A | HE11,7 |
| Thermal efficiency of heat recovery, % | 82 |
| Reference flow rate, m ³ /s | 0,14 |
| Reference pressure difference, Pa | 50 |
| SPI, W/(m ³ /h) | 0,25 |
| Filters dimensions BxHxL, mm | 400x300x46 |
| Electric power input of the fan drive at reference flow rate, W | 70 |
| Electric power input of the fan drive at maximum flow rate, W | 177 |
| Electric air heater capacity, kW / Δt, °C | 0,5 / 2,8 |
| Electric preheater capacity, kW / Δt, °C | 1,5 / 8,3 |
| Maintenance space, mm | 450 |
| Control system | C6 |



Acoustic data

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

| | |
|----------------|----|
| Supply inlet | 53 |
| Supply outlet | 66 |
| Exhaust inlet | 53 |
| Exhaust outlet | 66 |
| Casing | 46 |

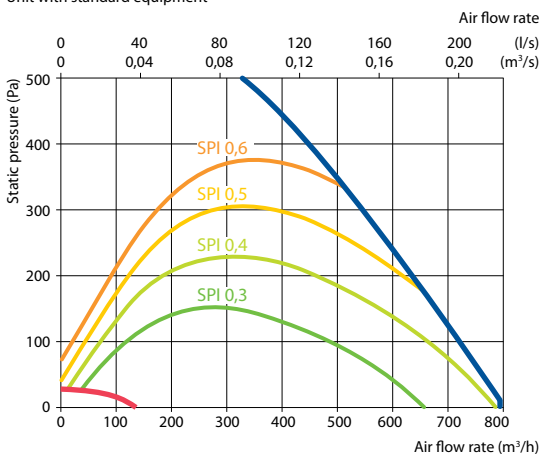
A-weighted sound pressure level L_{PA} , dB(A)

10 m² normally isolated room, distance from casing – 3 m.

| | |
|--------------|----|
| Surroundings | 35 |
|--------------|----|

Performance

Unit with standard equipment



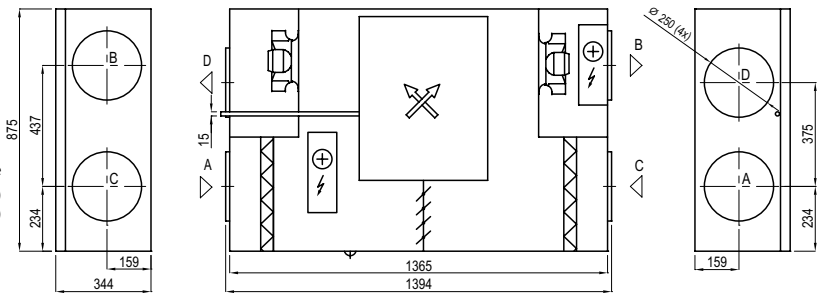
Temperature efficiency

| Outside temperature, °C | Winter | | | | | Summer | | |
|---------------------------|--------|-------|-------|------|------|--------|------|------|
| | -23 | -15 | -10 | -5 | 0 | 25 | 30 | 35 |
| After heat exchanger*, °C | 15,5* | 16,1* | 16,8* | 16,8 | 17,7 | 22,5 | 23,4 | 24,4 |

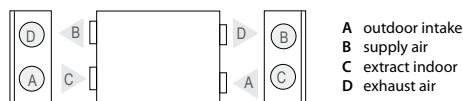
indoor +22°C, 20 % RH.

* calculations made after evaluation of the preheater.

Shown as right (R1)



Shown as left (L1)



Accessories

| | |
|----------------------|------------------------|
| Closing damper | AGUJ-M-250+LF230/CM230 |
| Silencer | A/D AGS-250-50-600-M |
| | B/C AGS-250-50-900-M |
| Water heater | DH-250 |
| PPU | PPU-HW-3R-15-0,63-W2 |
| 2-way valve (heater) | VVP47.10-0,63 |

| | |
|----------------------|-------------------|
| Water cooler | DCW-0,7-5 |
| 2-way valve (cooler) | VVP47.15-2,5 |
| Outdoor grill | LD-250 |
| Water heater-cooler | DHCW-250 |
| DX cooler | DCF-0,7-5 |
| Cooling unit | MOU-18HFN8+KA8140 |

