

Duo Z-SE



Short description

Installation kit for decentralised ventilation unit with Duo Z heat recovery, comprising ventilation unit with internal cover, highly-efficient enthalpy cross-counterflow heat exchanger, EC centrifugal fans in outside air and outgoing air, humidity monitoring, air quality sensor, 2 x ISO Coarse 45 % (G3) filters, volumetric flow range from 20 to 60 m³/h, model: Installation in the wall, accessories needed: Duo Z-SR shell installation kit and combination wall socket coated in stainless steel (Duo KWS E) or powder-coated in white, similar to RAL 9010 (Duo KWS W)

Application examples

all rooms up to 50 m², Individual rooms, Hotel rooms, Student apartment, Bedrooms

Article number 0095.0331

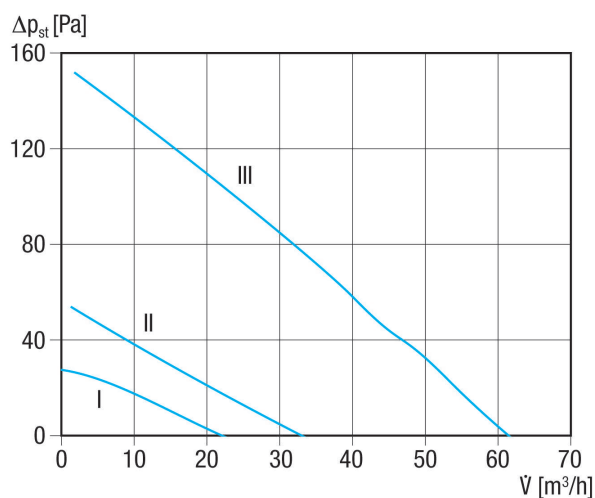
Technical data

Number of ventilation levels	3
Air flow volume	20 m ³ /h / 30 m ³ /h / 60 m ³ /h (with Duo Z-SR shell installation kit)
SEC average	-38,89 kWh/(m ² *a)
Energy efficiency class	A
Type of voltage	Alternating current
Rated voltage	230 V
Frequency	50 Hz/60 Hz
Maximum power consumption	4,2 W / 5,7 W / 16,6 W
Stand-by power consumption	1.5 W
I _{max}	0,2 A
Degree of protection	IP 00
Electrical plug-type connection	Terminal
Installation site	Outside wall
Type of installation	Recessed-mounted
System type	Decentralised
Housing material	Sheet steel, powder coated
Heat exchanger material	Synthetic material
Inner coating material	Plastic EPP
Colour	White, similar to RAL 9010
Weight	21,216 kg
Weight including packaging	23,53 kg
Type of filter	Outside and exhaust air filter
Filter class	ISO Coarse 45 % (G3), optional ISO ePM2,5 ≥ 50 % (M6)
Connection diameter	90 mm
Width	442 mm
Height	859 mm
Depth	160 mm
Width with packaging	575 mm
Height with packaging	975 mm

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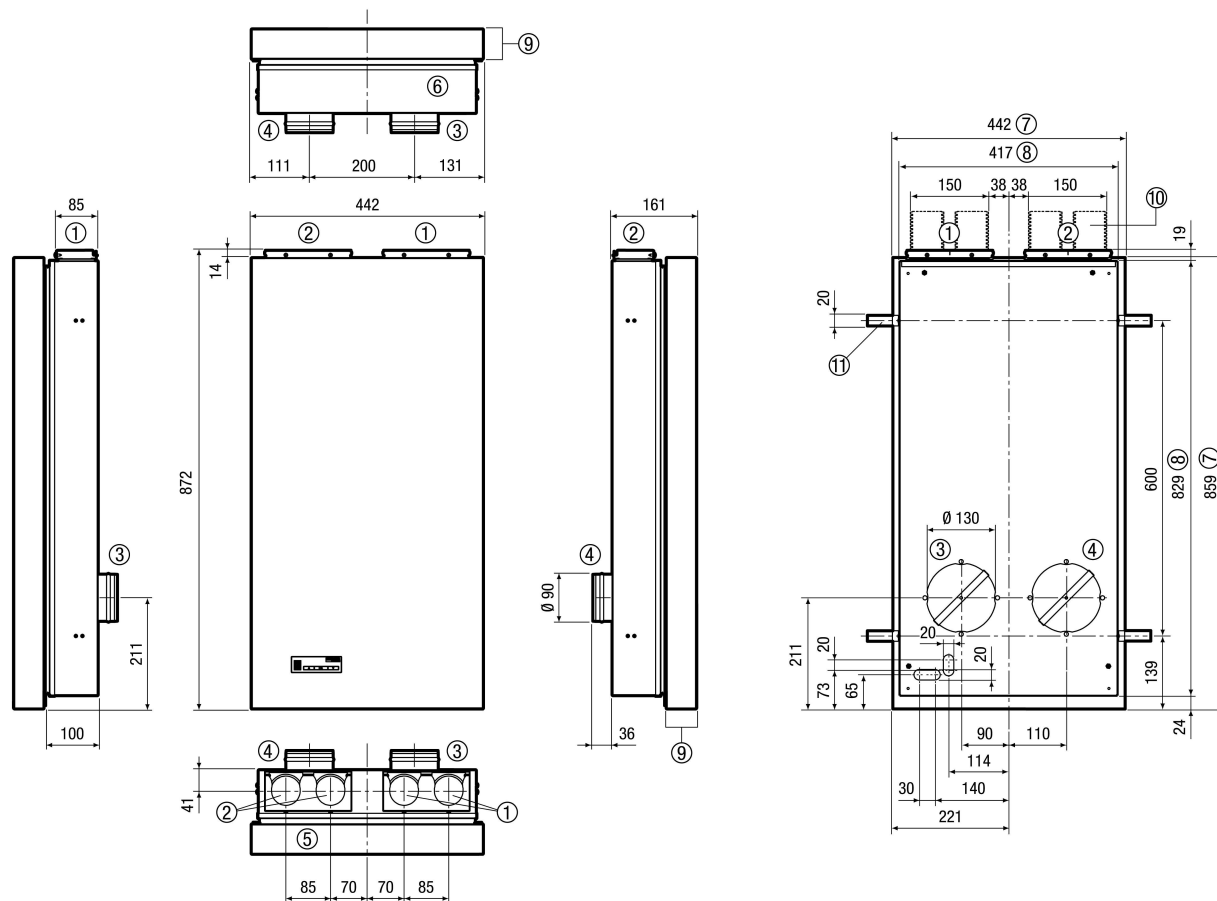
Depth with packaging	310 mm
Airstream temperature at I_{Max}	-15 °C up to 60 °C
Ambient temperature	10 °C up to 40 °C
Max. degree of heat provision in accordance with DIN EN 13141-7 (A7)	91,4 %
Heat exchanger construction type	Enthalpy cross-counterflow
Permissible humidity in installation room	70 %
Antifreeze circuit	yes
Filter monitoring	with time control
Sound pressure level	19 dB(A) / 20 dB(A) / 30 dB(A) (Distance 1 m, free-field conditions)
Rated max. element normal difference in noise level $D_{n,w}$	43 dB (measured with combination wall socket, 52 dB measured with soffit element)
Rated sound reduction index $R_{w,R}$	18 dB (measured with combination wall socket, 27 dB measured with soffit element)
Packing unit	1 piece
Range	K
GTIN (EAN)	4012799953319

Characteristic curve



Duo Z-SE

Dimensioned drawing [mm]



- ① Supply air
- ② Exhaust air
- ③ Outgoing air
- ④ Outside air
- ⑤ View from above
- ⑥ View from below
- ⑦ Unit cover, external dimensions
- ⑧ Shell module
- ⑨ Visible area
- ⑩ Ducts
- ⑪ Retaining lugs / wall tie