

geniovent.x 900 H W-E-K1



Short description

Decentralised RLT air handling unit with very good heat recovery. With enthalpy heat exchanger, outside air and outgoing air connections on the rear, supply air via rectangular duct, exhaust air on unit, exhaust air side and electrical side covered with panels. CO2 sensor integrated in unit. With app for mobile unit control system

Application examples

Classroom, Day-care centre, Office, Doctor's practice, Shops

Article number 0041.0228

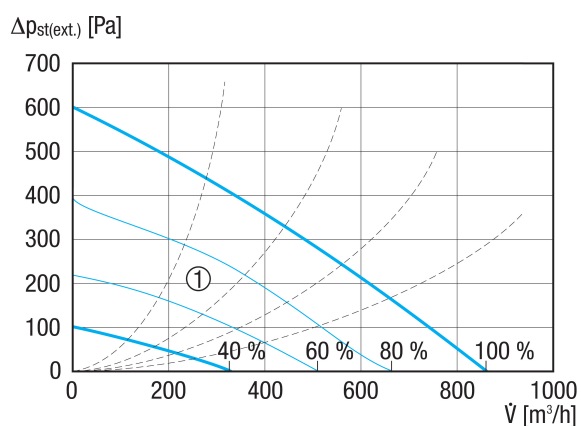
Technical data

Model	W = Outside air and outgoing air connections to the rear of the wall / E=Enthalpy heat exchanger / K1=combined solution: Supply air via rectangular duct, exhaust air via grille
Air flow volume	250 m ³ /h / 870 m ³ /h
SFP value	0,24 W/(m ³ /h)
Type of voltage	Alternating current
Rated voltage	230 V
Nominal output	136 W
Stand-by power consumption	< 1 W
I _{max}	15 A
Degree of protection	IP 40
Installation site	Inside
Material	Sheet steel, galvanised
Housing material	Sheet steel, galvanised
Heat exchanger material	Synthetic material
Inner coating material	PUR foam with closed-cell surface
Colour	Pure white, similar to RAL 9010
Weight	210 kg
Weight including packaging	260 kg
Filter class	ISO ePM1 50-65% (F7) / ISO ePM10 60% (M5)
Connection diameter	315 mm
Width	1.984 mm
Height	473 mm
Depth	869 mm
Width with packaging	2.070 mm
Height with packaging	950 mm
Depth with packaging	1.020 mm
Airstream temperature at I _{Max}	-15 °C up to 60 °C
Ambient temperature	10 °C up to 40 °C

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Max. degree of heat provision in accordance with DIN EN 13141-7 (A7)	80,2 %
Heat exchanger construction type	Enthalpy
Humidity recovery with enthalpy heat exchanger in accordance with DIN EN 13141-7 (A2)	66 %
Bypass	Yes
Frost protection	optional
Enthalpy heat exchanger	Yes
Antifreeze circuit	Yes
Filter monitoring	with time control
CO ₂ regulation (optional)	integrated
Air quality control (optional)	VOC sensor for geniovent.x
Outside air shutters, automatic closing	integrated
KNX connection (optional)	K-SM
MODBUS interface	integrated
BACnet interface	integrated
Ethernet interface	integrated
Control unit included in scope of delivery.	RB-ZF4
Control unit (optional)	RLS T1 SYS
EnOcean wireless integration (optional)	E-SM
Sound pressure level	35 dB(A)
Packing unit	1 piece
Range	X
GTIN (EAN)	4012799412281

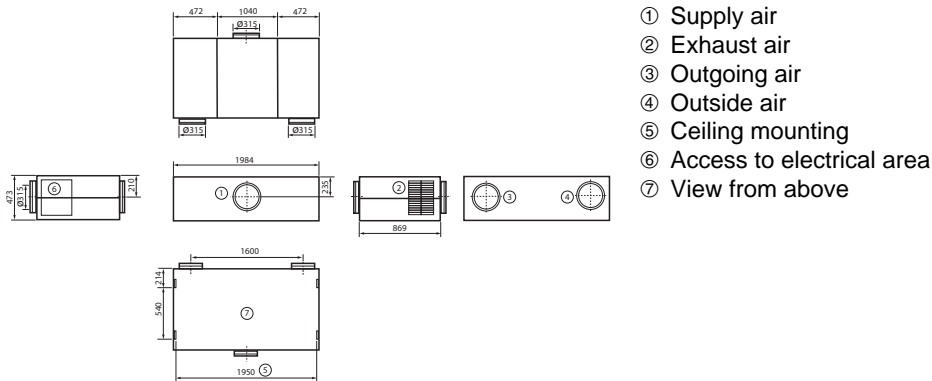
Characteristic curve



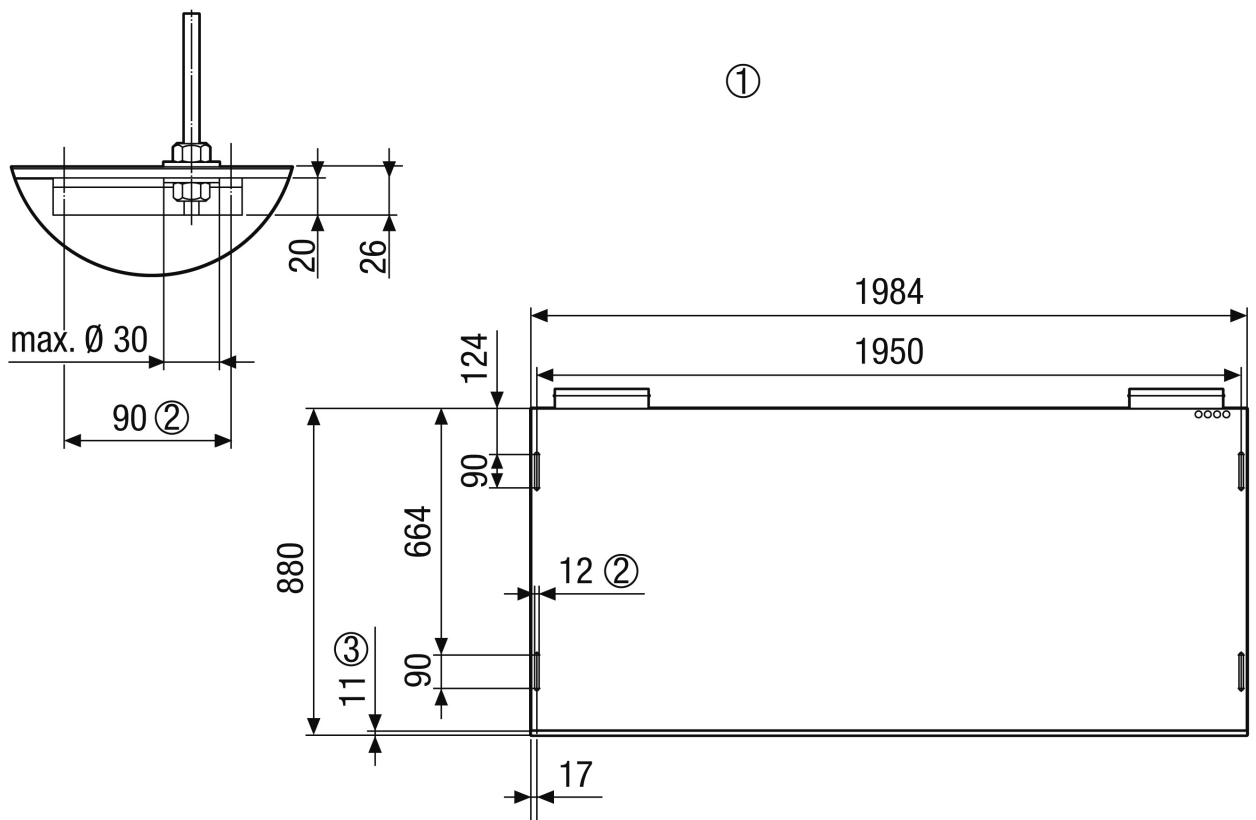
① Configuration range

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Dimensioned drawing [mm]



Dimensioned drawing [mm]



- ① Ceiling mounting geniovent.x 900 HW. View of the unit from the ceiling
- ② Slotted hole, intended for ceiling mounting, e.g. using M10 threaded rod
- ③ Panels