

RLT 1200 MV4512VL-Mode 5



Short description

Centralised compact air handling unit with heat recovery.
Version: Vertical with supply and exhaust air connection on the left, demand-driven, constant volumetric flow operation via CO² sensor, with cross-counterflow heat exchanger, without preheating register, without supplementary heat register, air flow volume up to 1200 m³/h

Article number 0040.2800

Technical data

Model	Left-hand version: Supply air and exhaust air connection on the left / Standard/without heat register
Air flow volume	150 m ³ /h / 1.950 m ³ /h
Nominal air volume	1200
ErP / LOT 6	NRVU / BVU, SFPint 942 (W/(m ³ /s))
Mode	CO ₂ demand-driven
Rated voltage	400 V/~3/N/PE
Frequency	50 Hz
I _{max} Unit	5,1 A
Degree of protection	IP 44
Recommended fuse unit	16 A
Nominal power consumption	314 W
Note Nominal power consumption	against 200 Pa external
Installation site	inside / outside
Material	Metal
Housing material	Sheet steel, galvanised
Housing insulation	45 mm rock wool (70 kg/m ³), classification A1 according to DIN 4102
Colour	Telegray, similar to RAL 7047
Weight	301 kg
Weight including packaging	429 kg
Type of filter	Pleated filter
Filter class	ISO ePM10 ≥ 50% (M5) ISO ePM1 ≥ 50% (F7)
Fire protection	Fire protection class A1
Connection diameter of condensation drain	3/4"
Socket height, suction side	470 mm
Socket width, suction side	490 mm
Socket circumference, suction side	
Socket circumference, suction side, old	315 mm
Socket height, pressure side	470 mm

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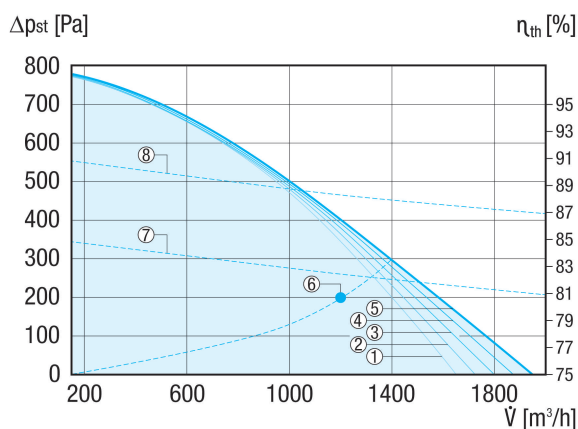
Socket width, pressure side	490 mm
Socket circumference, pressure side	
Socket circumference, pressure side, old	315 mm
Width	2.190 mm
Height	1.410 mm
Depth	735 mm
Width with packaging	2.310 mm
Height with packaging	1.470 mm
Depth with packaging	820 mm
Ambient temperature	-20 °C up to 40 °C
Heat exchanger construction type	Cross-counterflow
Efficiency	81.5% nominal according to ErP (without condensation)
EN 1886 classification	T2/TB2/L2/D1/F9
Packing unit	1 piece
Range	X
GTIN (EAN)	4012799984443

Sound power level in octave range

	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L_{WA5} (dB(A))	35	51	48	48	45	37	31	16	55
L_{WA6} (dB(A))	37	54	55	58	60	60	53	42	65

L_{WA5}= free inlet sound power level in dB.
 L_{WA6}= free outlet sound power level in dB.

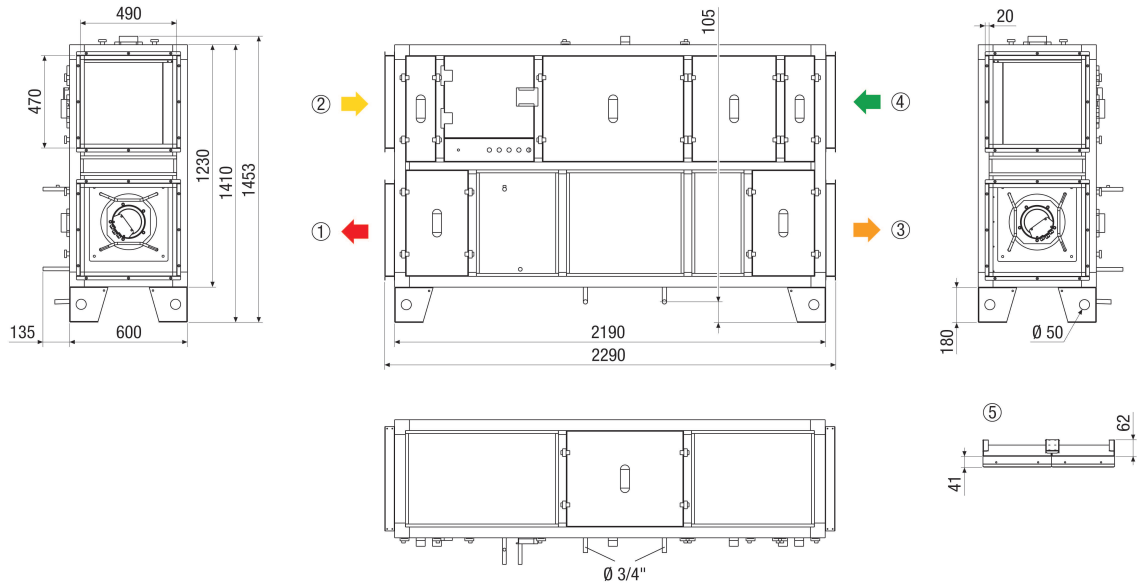
Characteristic curve



- 1) With electric preheating register [PH] and electric supplementary heat register [EH]
- 2) With electric preheating register [PH] and PWW supplementary heat register [WH]
- 3) With electric preheating register [PH] or electric supplementary heat register [EH]
- 4) With PWW supplementary heat register [WH]
- 5) Without heat register
- 6) Operating point in accordance with ErP (EU Regulation No. 1253/2014)
- 7) Thermal efficiency (according to ErP without condensation)
- 8) Thermal efficiency (according to DIN EN 13141-7 (A7) with condensation)

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Dimensioned drawing [mm]



- 1 = Supply air
- 2 = Exhaust air
- 3 = Outgoing air
- 4 = Outside air
- 5 = Roof detail