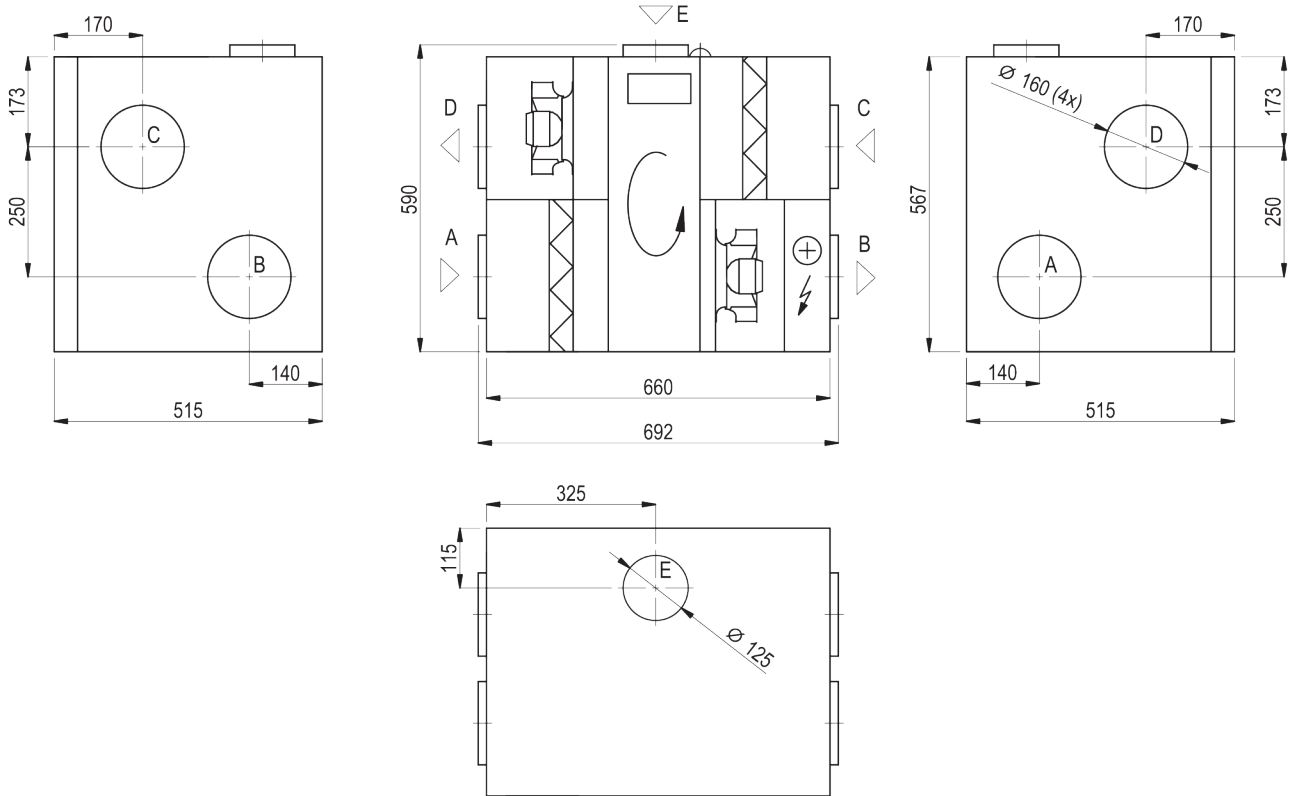


Air handling unit model:

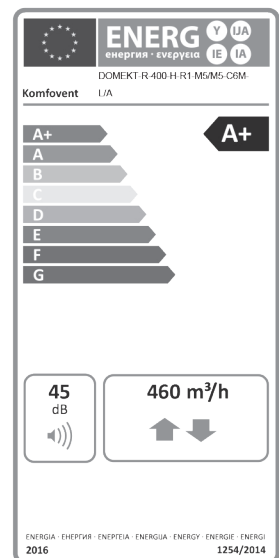
DOMEKT-R-400-H-R1-M5/M5-C6M-L/A



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

TECHNICAL SPECIFICATION

Unit category		RVU
Unit type		BVU
Type of HRS		Rotary Heat Exchanger
Panel thickness	[mm]	45
Dimensions bxhxl	[mm]	515×567×660
Duct connection	[mm]	4×160 1×125
Filter dimensions bxhxl	[mm]	417×210×46
Mass	[kg]	49
Max current	[A]	7,3
Supply voltage	[V]	1~ 230
Color		RAL 9003
Version		Horizontal
Inspection side		Right
Heater		Electric



Motor type		EC motor
Controller		C6M
SPI	[W/(m ³ /h)]	0,27

INPUT DATA

Supply		
Nominal flow rate	[m ³ /h]	350
Nominal external pressure (ΔP_s , ext.)	[Pa]	75
Exhaust		
Nominal flow rate	[m ³ /h]	350
Nominal external pressure (ΔP_s , ext.)	[Pa]	75
Climate parameters		
Winter		
Outdoor temperature	[°C]	-12
Outdoor relative humidity	[%]	90
Set point temperature		
Winter	[°C]	20

CALCULATION DATA IN SPECIFIED WORKING POINT

Filter data

		Supply	Exhaust
Filter class(EN ISO 16890)		ePM10 50% (M5)	ePM10 50% (M5)
Pressure drop (clean filter)	[Pa]	27	27

Heat exchanger data

		Winter	
		Supply	Exhaust
Actual temp. efficiency	[%]	82,8	
Humidity efficiency	[%]	44,4	
Face velocity	[m/s]	2	2
Pressure drop	[Pa]	109	109
Inlet temperature	[°C]	-12	22
Inlet rel. humidity	[%]	90	40
Outlet temperature	[°C]	16,1	-6,1
Outlet rel. humidity	[%]	32	95

Energy recovery

Sensible heat	[kW]	3,3
Latent heat	[kW]	0,7
Total heat	[kW]	4

Motor type		EC motor
Controller		C6M
SPI	[W/(m ³ /h)]	0,27

INPUT DATA

Supply		
Nominal flow rate	[m ³ /h]	350
Nominal external pressure (ΔP_s , ext.)	[Pa]	75
Exhaust		
Nominal flow rate	[m ³ /h]	350
Nominal external pressure (ΔP_s , ext.)	[Pa]	75
Climate parameters		
Winter		
Outdoor temperature	[°C]	-12
Outdoor relative humidity	[%]	90
Set point temperature		
Winter	[°C]	20

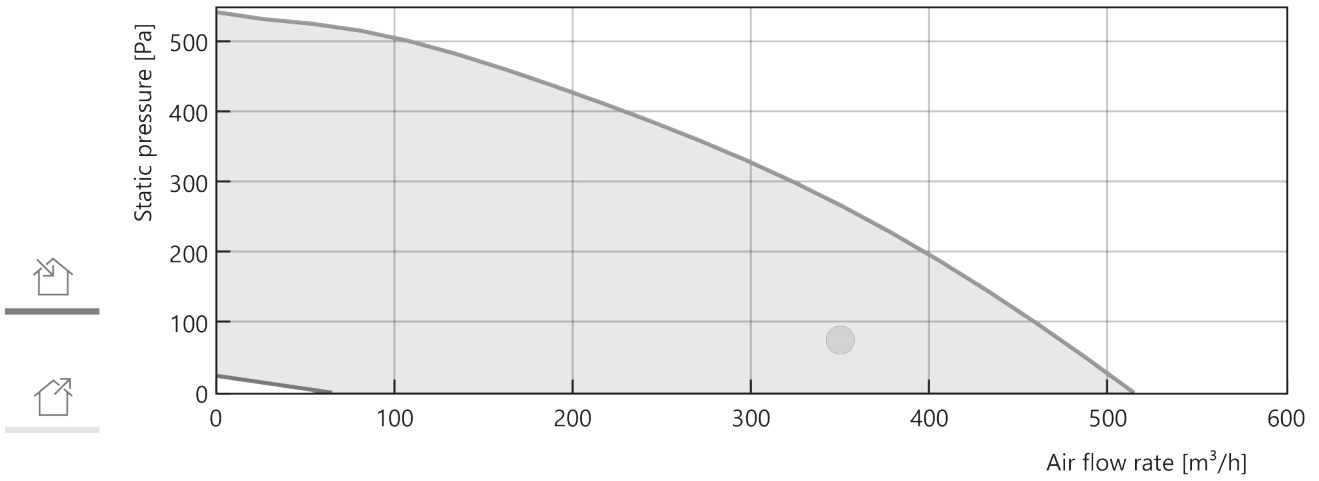
CALCULATION DATA IN SPECIFIED WORKING POINT

Filter data			
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Filter class(EN ISO 16890)		ePM10 50% (M5)	ePM10 50% (M5)
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Outlet temperature	[°C]	16,1	-6,1	
Outlet rel. humidity	[%]	32	95	

Energy recovery			
Sensible heat	[kW]	3,3	
Latent heat	[kW]	0,7	
Total heat	[kW]	4	

PLOT



Instructions

<http://www.komfovent.com/>

Domekt manual version: 20-05

Control manual version: quide_20-05