

VUT 180 P5B EC A21

Heat recovery air handling units in sound- and heat-insulated casings equipped with a counter-flow polystyrene heat exchanger



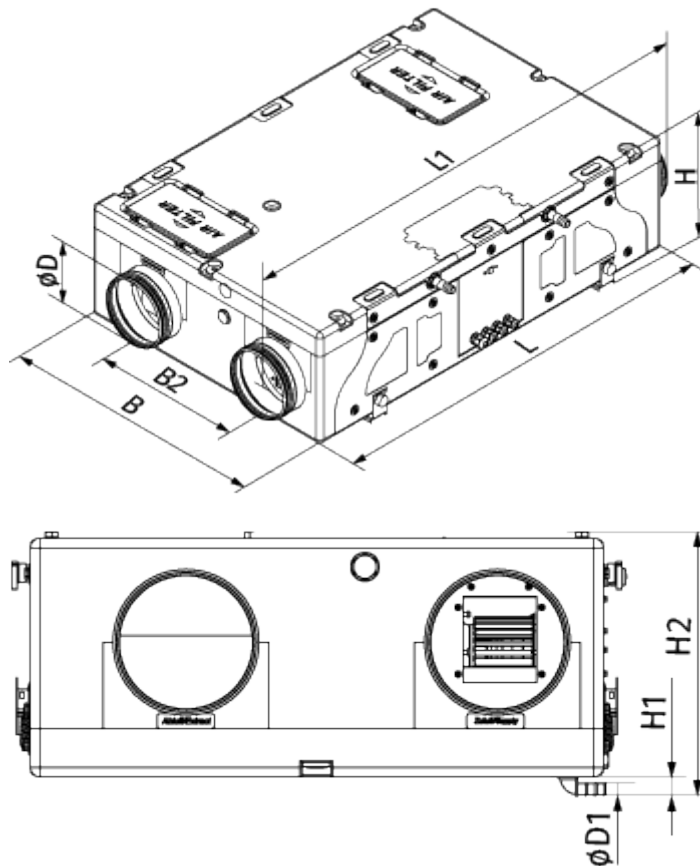
- Maximum airflow: 220
- Sound pressure level LpA at 3 m: 33
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4, F7
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: EPP
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

	Unit of measurement	VUT 180 P5B EC A21
Connected air duct size	mm	150
Speed	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	87
Unit current	A	0.71
Maximum airflow	m ³ /h	220
Sound pressure level LpA at 3 m	dB(A)	33
Heat recovery efficiency, max	%	98
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	14
Extract filter	-	G4
Supply filter	-	G4, F7
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ambient air humidity max	%	60
Ingress protection rating	-	IP22

Ingress protection rating of the drive	-	IP44
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Dimensions

ØD	ØD1	B	B2	H	H1	H2	L	L1
150	19	600	326	264	38	302	900	1009








Accessories



Control Panels for AHU

Name	Photo	Description
A25		The control panel with a sensor display
A22		The A22/A22 WiFi control panels are used for control of industrial and domestic air handling units with an A21 automation system.
A22 WiFi		The A22/A22 WiFi control panels are used for control of industrial and domestic air handling units with an A21 automation system.






Sensors




Name	Photo	Description
HV2		Humidity sensor
CO2-1		CO2 sensors
CO2-2		CO2 sensors
HR-S		Electro-mechanical humidistats
DPWC11200		Humidity sensor

VOC sensors


Name	Photo	Description
DPWQ30600		VOC sensors
DPWQ40200		CO2 sensor

Electrical heaters


Name	Photo	Description
NKD 150-0,8-1 A21 V.2		Duct heater for supply air post-heating with external control
NKD 150-1,2-1 A21 V.2		Duct heater for supply air post-heating with external control
NKD 150-1,7-1 A21 V.2		Duct heater for supply air post-heating with external control
NKD 150-2,0-1 A21 V.2		Duct heater for supply air post-heating with external control
NKP 150-0,8-1 A21 V.2		Heater for heat exchanger freeze protection

NKP 150-1,2-1 A21 V.2		Heater for heat exchanger freeze protection
NKP 150-1,7-1 A21 V.2		Heater for heat exchanger freeze protection
NKP 150-2,0-1 A21 V.2		Heater for heat exchanger freeze protection


Condensation drainage

Name	Photo	Description
SH-32		The hydraulic U-trap for condensate drainage from heat exchangers and coolers in ventilation and air conditioning systems



For round ducts

Name	Photo	Description
KRV 150		Air damper for air flow cut-off in round air ducts

Electric actuators

Name	Photo	Description
Belimo LF230		The Belimo LF series actuators are designed for controlling air dampers with cross section up to 0.8 m ² performing protection functions

Other accessories

Name	Photo	Description
SF 214x186x18 G4		Panel filter G4
SF 214x186x48 F7		F7 panel filter