

# VUT 500 H



Air handling units in the compact sound- and heat-insulated casing

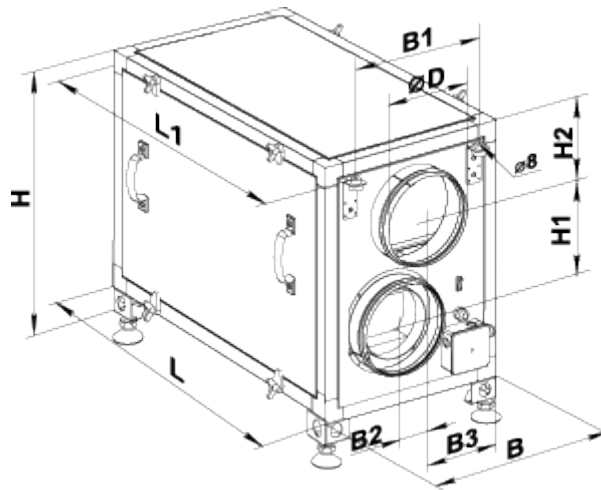
- Maximum airflow: 500
- Sound pressure level LpA at 3 m: 47
- Heat exchanger type: Cross flow
- Extract filter: G4
- Supply filter: G4
- Sound insulation
- Motor type: AC
- Control: Remote Control
- Casing material: Galvanized steel

	Unit of measurement	VUT 500 H
Connected air duct size	mm	249
Speed	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	300
Unit current	A	1.32
Maximum airflow	m <sup>3</sup> /h	500
Sound pressure level LpA at 3 m	dB(A)	47
Heat recovery efficiency, max	%	88
Heat exchanger type	-	Cross flow
Heat exchanger material	-	Polystyrene
Weight	kg	49
Extract filter	-	G4
Supply filter	-	G4
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25
Ambient air temperature min	°C	10
Ambient air temperature max	°C	50
Ambient air humidity max	%	80
Ingress protection rating	-	IP22

Ingress protection rating of the drive	-	IP44
ErP compliance	-	2016
Cold - Specific energy consumption (SEC)	kWh/(m <sup>2</sup> /a)	47.3
SEC Class Cold	-	A+
Average - Specific energy consumption (SEC)	kWh/(m <sup>2</sup> /a)	17.1
SEC Class Average	-	E
Warm - Specific energy consumption (SEC)	kWh/(m <sup>2</sup> /a)	2.9
SEC Class Warm	-	G
Unit category	-	RVU
Type of ventilation unit	-	Bidirectional
Type of drive installed	-	Multi-speed
Type of heat recovery system	-	Recuperative
Thermal efficiency of heat recovery	%	63
Maximum flow rate	m <sup>3</sup> /h	450
Electric power input	W	300
Reference flow rate	m <sup>3</sup> /s	0.088
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m <sup>3</sup> /h)	0.603
Control typology	-	Manual control
Maximum internal leakage rates	%	2.7
Maximum external leakage rates	%	2.7
Cold - The annual electricity consumption (AEC)	kWh/a	1369
Average - The annual electricity consumption (AEC)	kWh/a	832
Warm - Jährlicher Stromverbrauch (JSV)	kWh/a	787
Cold - The annual heating saved (AHS)	kWh/a	7281
The annual heating saved (AHS) Average	kWh/a	3722
The annual heating saved (AHS) Warm	kWh/a	1683
Declared typology	-	RVU BVU
Sound power level	dB(A)	57




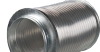

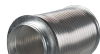
## Dimensions

ØD	B	B1	B2	B3	H	H1	H2	L	L1
149	416	300	54	207	603	230	148	722	768





## Accessories



### For round ducts

Name	Photo	Description
<a href="#">SR 150/600</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SR 150/900</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SR 150/1200</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SRF 150/600</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SRF 150/900</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SRF 150/2000</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems

### For round ducts

Name	Photo	Description
<a href="#">KOM 150</a>		Spring-loaded backdraft damper for round ducts
<a href="#">KR 150</a>		Air damper for air flow control in round air ducts

### Other accessories

Name	Photo	Description
SF 378x210x48 G4		Panel filter G4
VL C4 300/384		Summer block