

VUT 500 EH



Air handling units in sound-proof and heat-insulated casing with electric heater

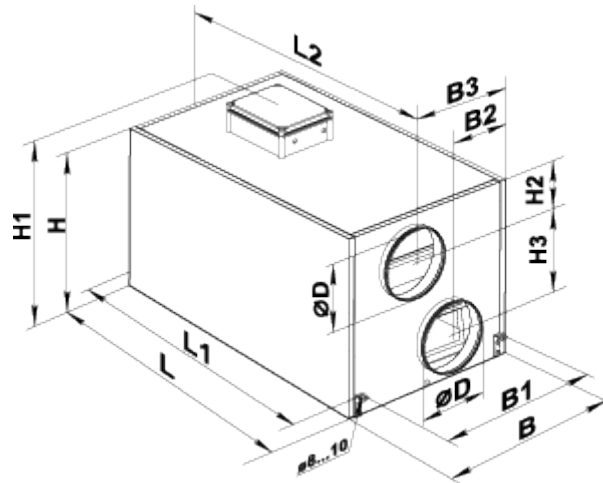
- Power of electrical reheater: 3000
- Maximum airflow: 500
- Sound pressure level LpA at 3 m: 47
- Heat exchanger type: Cross flow
- Extract filter: G4
- Supply filter: G4
- Sound insulation
- Motor type: AC
- Reheater: Electric
- Control: Remote Control
- Casing material: Galvanized steel

	Unit of measurement	VUT 500 EH
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
Power of electrical reheater	W	3000
Unit current	A	14.3
Maximum airflow	m ³ /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	1
Ambient air temperature max	°C	40
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 ² /a)	47.3
SEC Class Cold	-	A+
Average - Specific energy consumption (SEC)	kWh/(m ² /a)	17.1
SEC Class Average	-	E
Warm - Specific energy consumption (SEC)	kWh/(m ² /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 ³ /h	450
Electric power input	W	300
Reference flow rate	m ³ /s	0.088
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m ³ /h)	0.629
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




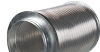


Dimensions

ØD	B	B1	B2	B3	H	H2	H3	L	L1	L2
149	497	403	248	348	554	111	230	954	996	1054





Accessories



For round ducts

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

For round ducts

Name	Photo	Description
KOM 150		Spring-loaded backdraft damper for round ducts
KR 150		Air damper for air flow control in round air ducts

Other accessories

Name	Photo	Description
SF 438x215x48 G4		Panel filter G4
VL C4 300/300		Summer block