

VENTO Expert A50-1 S Pro

Heat recovery single-room units

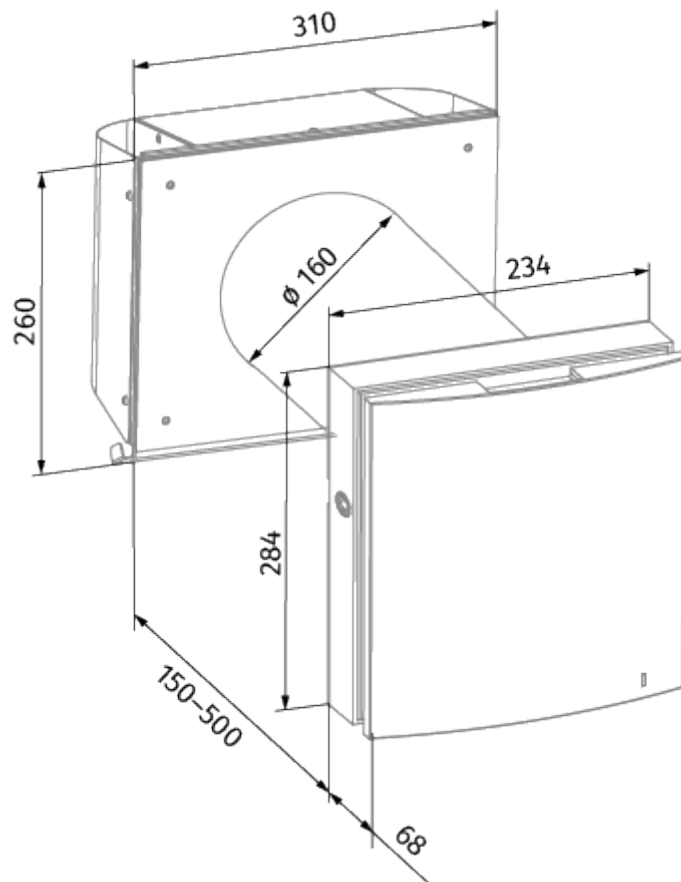


- Air flow in heat recovery mode: 25
- Sound pressure level LpA at 3 m: 21
- Sound pressure level LpA at 1 m: 30
- Filter: G3 (option: F7 PM2.5 > 99 %)
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Control: Remote Control
- Humidity sensor: Built-in
- Shutters

	Unit of measurement	VENTO Expert A50-1 S Pro		
Connected air duct size	mm	160		
Speed	-	3		
Minimum supply voltage	V	100		
Maximum supply voltage	V	240		
Power supply frequency	Hz	50/60		
Rated power	W	3.61	4.15	5.2
Unit current	A	0.025	0.03	0.039
Air flow in ventilation mode	m ³ /h	15	30	50
Air flow in heat recovery mode	m ³ /h	8	15	25
rotation speed at 50hz	-	800	1300	1900
Sound pressure level LpA at 3 m	dB(A)	11	18	21
Sound pressure level LpA at 1 m	dB(A)	20	27	30
Heat recovery efficiency, max	%	93		
Heat exchanger material	-	Ceramic		
Filter	-	G3 (option: F7 PM2.5 > 99 %)		
Transported air temperature (max)	°C	40		
Transported air temperature (min)	°C	-20		
Ambient air temperature min	°C	1		
Ambient air temperature max	°C	40		
Ambient air humidity max	%	80		

Ingress protection rating	-	IP24
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Dimensions




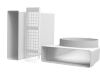
Ecodesign




Trademark	Blauberg					
Model	VENTO Expert A50-1 S Pro					
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold		Average		Warm	
	-80.6	A+	-38.8	A	-14.8	E
Type of ventilation unit	Bidirectional					
Type of drive installed	3-speed					
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery (%)	77					
Maximum flow rate (m ³ /h)	25					
Electric power input (W)	5.2					
Reference flow rate (m ³ /s)	0.004					
Specific power input (SPI) (W/(m ³ /h))	0.277					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Mixing rate (%)	1					
Airflow sensitivity at +20 Pa and -20 Pa (%)	0.4					
The indoor/outdoor air tightness (m ³ /h)	0.5					
Sound power level (dB(A))	38					
Declared typology	RVU BVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	200		200		200	








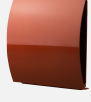




Accessories





Other accessories

Name	Photo	Description
ZL1 Vento 160/150		
AH-S chrome 160		Stainless steel ventilation hood
KIT BlauPlast white 160		Kit for angular mounting (for walls with standard thickness)


KIT BlauPlast chrome 160		Kit for angular mounting (for walls with standard thickness)
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Hoods



Name	Photo	Description
AH-8 white 160		Outer ventilation hood with frost protection for a cold climate
AH-8 chrome 160		Outer ventilation hood with frost protection for a cold climate
AH-10 beige 160		Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems
AH-10 black 160		Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems
AH-10 brown 160		Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems
AH-10 chrome 160		Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems
AH-10 grey 160		Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems
AH-10 terracotta 160		Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems
AH-10 white 160		Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems
AH-11 vintage 160		Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems
AH-11 black 160		Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems
AH-11 brown 160		Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems

AH-11 grey 160		Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems
AH-11 terracotta 160		Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems
AH-11 white 160		Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems
PP 160/0.5		The outer hood is designed to prevent the ingress of water and large objects into the ventilation equipment from outside

Other accessories

Name	Photo	Description
FB Vento Expert A50		Remote control

Other accessories

Name	Photo	Description
CD-1		CO2 sensors
CD-2		CO2 sensors