

Data sheet

RadonTec AlphaFreshbox 25 with humidity control

The **AlphaFreshbox 25** is a ventilation unit with humidity control. An integrated timer regularly switches from basic to intensive ventilation. Through a Windows software available free of charge, not only measured live values can be read out, but also external control elements such as relays or pushbuttons can be addressed.

Technical overview

SEV in kWh/(m² x a) per climate zone (cold, average, warm)	-71,08	-36,12	-13,47
SEV class	A+	A	E
ventilation unit type (WLA = residential ventilation unit)	WLA two directions		
Type of speed drive	Controllable		
Type of heat recovery	Recuperative		
Degree of temperature change in % for dry air	67		
Highest air volume flow in m³/h	20		
Fan power at highest air flow rate in watts per direction	2,16		
Sound power level LwA at reference air volume flow in dB(A)	38		
Reference air volume flow in m³/sec (supply air)	0,0038		
Reference pressure difference in Pa	27		
Specific input power at reference volumetric flow in W/m³/h	0,42		
Type of ventilation control (manual / time / central / demand)	Demand		
x-value (speed control factor)	2		

inner leakage in %	3		
external leakage in %	3,5		
Annual power consumption JSV per 100m² in kWh/a per climate zone (cold, average, warm)	806	269	224
Annual heating energy savings per 100 m² (JEH) in kWh primary energy/a per climate zone (cold, average, warm)	8250	4217	1907
Dimensions base body HxWxD	40x30x10,5 cm		
Dimensions door (standard) HxWxD	44,5x32x1 cm		
Weight incl. standard accessories and packing	4,5 kg		
Heat recovery rate	Up to 90%		
Ventilation pipe outer diameter	50 mm		
Air flow rate	80 mm		
Sound power level	5 to 20 m ³ /h		
Exterior noise attenuation	22 dB(A) up to 38 dB(A)		
Standby power consumption	Up to 45 dB		
Power consumption in operation	< 0.5 Watt 1.5 to 6 watts		

