

Application

- The AEROTUBE WRG smart is a wall-mounted ventilator with supply air and exhaust air function and heat recovery.
- Suitable for:
 - New buildings and renovations
 - For houses, apartment buildings, and office buildings
 - For wall thicknesses up to 500 mm
 - Living rooms and bedrooms

Unit properties

- Comfort is enhanced by the specially designed outflow openings as well as the continuous slider
- Optional: electric lock
- Closed vent base, therefore optimised air mixture laterally and upwards with the existing warm indoor air
- Supply and exhaust air function,
- Heat recovery (max. 90 %)
- Temperature / humidity sensor
- Optional: air quality sensor with mit CO₂ regulation
- Supply and exhaust air function in one unit, adjustable¹ air flow direction
- Discreet look - the functional element sits in the ventilation pipe
- Controlled domestic ventilation: the devices communicate with each other and change the direction of air flow accordingly. The mutual communication is wireless.
- Subsequent function assignment of devices possible on site and after installation.
- Simple operation via smartphone or tablet using the SIEGENIA Comfort app²

¹⁾ Operation in pairs recommended

²⁾ Notes on compatibility at www.siegenia.com/gr/comfort-app/faq

Technical specifications

	AEROTUBE WRG smart
Air throughput at blower level 1 at blower level 2 at blower level 3	approx. 15 m ³ /h approx. 32 m ³ /h approx. 45 m ³ /h
Inherent noise ¹⁾ at blower level 1 at blower level 2 at blower level 3	L _{PA} = 25 dB (A) L _{PA} = 38 dB (A) L _{PA} = 46 dB (A)
Sound absorption D_{n,e,w} ²⁾	35 dB
Degree of heat provision	max. 90%
Power consumption at blower level 1 at blower level 2 at blower level 3	2.1 W 2.9 W 4.3 W
Electrical connection	230 V~ / 6 W
Protection class	II
Protection type	IP22
Weight	4.5 kg
Fresh air filter	ISO coarse 45 % (formerly G3)
Admissible utilisation temperature	-15°C - 40°C
Technical approval	Z-51.3-387

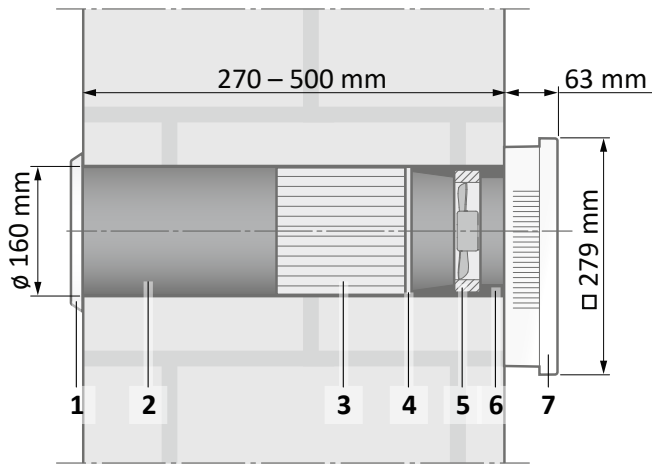
¹⁾ Measured in accordance with DIN EN ISO 3741 with room insulation 8 dB

²⁾ Measured in accordance with DIN EN 10140-2

Product data sheet

according to EU Regulation	1254/2014
a Producer	SIEGENIA
b Model identifier	AEROTUBE WRG smart
c Energy consumption (SEV); Energy efficiency class (SEC class) (according to climatic zone warm / average / cold)	−17.62 kWh/(m ² · a); E −42.15 kWh/(m ² · a); A+ −84.96 kWh/(m ² · a); A+
d Type	WLA / ZLA
e Type of drive	Rotational speed control
f Heat recovery system	regenerative
g Thermal efficiency	81.4 %
h Maximum flow rate	45 m ³ /h
i Electrical input power	8.6 W
j Noise level	46 dB (A)
k Relative air flow rate	32 m ³ /h
l Relative pressure differential	—
m Specific input power	0.18 W/(m ³ /h)
n Control factor / control typology	1.21 / 0.65
o Highest degree of inner and outer leakage rate (inner / outer leakage)	— / —
p Mix rate (inner area / outer area)	—
q Instructions for replacing filter	See original operating instructions H47.WANS008
r Instructions for the mounting of outside air / exhaust air grilles (for one-directional ventilation units)	—
s Instructions for dismantling	—
t Pressure fluctuation sensitivity of the air flow (at +20 Pa and −20 Pa)	32 % / − 42 %
u Air tightness between inside and outside	2.7 m ³ /h / 1.2 m ³ /h
v Annual power consumption	1.048 kWh/a
w Annual saving of heating energy (according to climatic zone warm / average / cold)	20.24 kWh/a 44.77 kWh/a 87.58 kWh/a

Dimensions and components



- 1 Weather grille
- 2 Ventilation pipe
- 3 Storage stone
- 4 Filter ISO coarse 45 %
- 5 Axial ventilator
- 6 Pipe inset
- 7 Casing with slider and vent

Spare parts and accessories

Material description	Material number	Contents
Filter set ISO coarse 45 %	L3470140-093110	2x Filter ISO coarse 45 %
Weather grille aluminium-zinc (choice of RAL)	L5477000-0V0010	1x weather grille
Weather grille stainless steel	L5477010-000010	
PVC weather grille	L5477020-004010	1x weather grille D160
Stainless steel weather grille hood (Sound absorption $D_{n,e,w}$ up to 39 dB)	L5477020-000010	1x stainless steel weather grille hood
Vent duct EPP (Sound absorption $D_{n,e,w}$ up to 51 dB)	<p>For detailed information, see technical data sheet: siegenia.com/service/doc/H40.WANS015</p> 