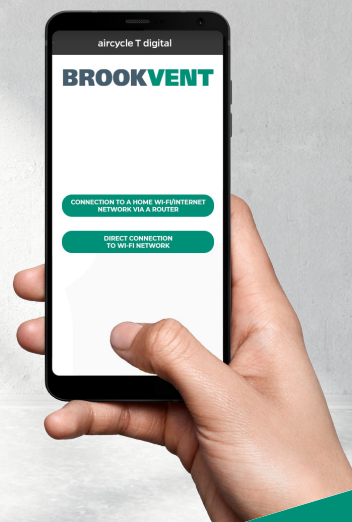
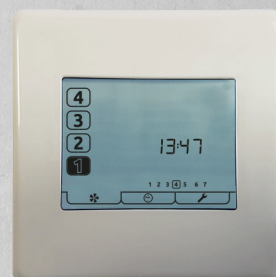


BROOKVENT
aircycle
T 1.35

ENERGY EFFICIENT VENTILATION

WITH HEAT RECOVERY



SUITABLE
FOR APARTMENTS
AND SMALL HOUSES



2,34W/m³/h

SPECIFIC FAN
POWER

88%

HEAT
RECOVERY

BROOKVENT aircycle[↻] T 1.35

The aircycle **T 1.35** series of heat recovery ventilation systems is the smallest ventilation unit in the Brookvent offer. Thanks to patented solutions, they perfectly combine very compact sizes of the device with high efficiency. The combination of extremely low energy consumption and the highly efficient heat exchanger makes the aircycle T 1.35 heat recovery system versatile enough to provide efficient ventilation in both larger apartments and small to medium-sized houses.



Features & Advantages

- Versatile, very compact
- Patented design
- Quick assembly with the use of a dedicated bracket
- Very low specific fan power - 2,34 W/m³/h
- Low energy EC centrifugal fans
- Energy class A
- Highly efficient heat exchanger: to 85%
- Air flow up to 217 m³/h at 100 Pa
- Fully configurable boost mode
- Option to use external switches to activate the boost mode
- Intelligent automatic summer bypass
- SUMMERboost function automatically increasing the flow when excessive temperature is detected
- Automatic humidity control by built-in humidistat
- Independent regulation of supply and exhaust fans
- G4 class filters as standard (F7 optional)
- Option to install flaps to make the filter replacement easier
- Option to use an enthalpy heat exchanger, which in addition to heat recovery also provides for moisture recovery
- Enthalpy exchanger made in Microban® technology which provides protection against mold and bacteria

Additional options available for the BC version:

- Option to use the aircycle digital T wifi controller
- Application control option (iOS, Android) using the aircycle digital T wifi controller
- Option to control an external duct pre-heater
- Compatibility with BMS via RS485



How does a heat recovery ventilation unit work?

Heat recovery is the process of recovering heat energy in order for it to be reused. In ventilation systems, this consists in recovering heat from the exhausted, used up air and transferring this heat to the supply air. Polluted air is extracted from rooms such as: kitchen, bathroom, toilet through a network of ventilation ducts and fresh air is blown into the living room, bedrooms. Air distribution is most often performed through diffusers connected to appropriate ducts. The system works continuously and the fresh and heated air is additionally cleaned thanks to built-in filters.

Thanks to the application of a modern counter-flow heat exchanger in the heat recovery ventilation unit, where the supplied and extracted air streams are tightly separated from each other, polluted air does not get mixed with fresh air. The exchanger, by making use of temperature differences between the air streams, heats up the cooler one. The Brookvent heat recovery systems are very efficient since, depending on the AHU model, they are able to recover even up to 93% heat.

The proposed ventilation system has been designed so that it guarantees effective ventilation in the entire house or apartment.

Digital T/wifi controller

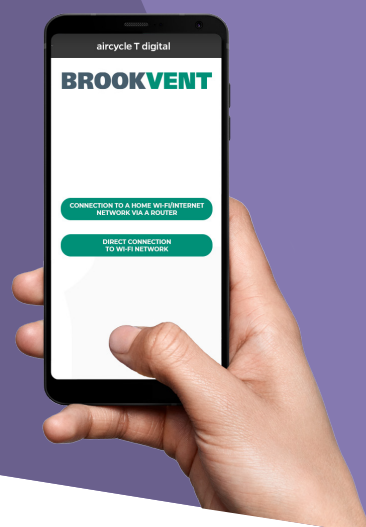
The improved remote control controller has been designed to meet the requirements of the most demanding user. The universal nature of the device allows you to adjust the system settings to the requirements of every project, giving residents freedom to control its functions.

Features & Advantages

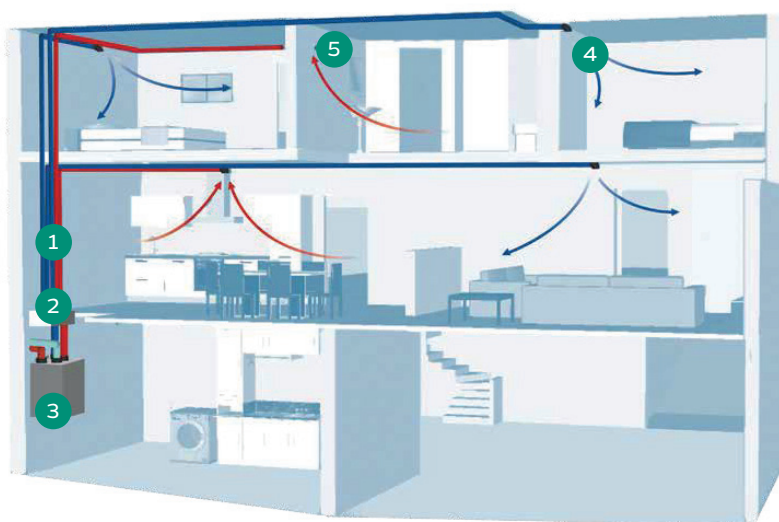
- Controller ensuring quick and simple installation and use of the heat recovery ventilation unit
- Clear menu based on universal symbols
- Continuous monitoring of the unit's technical condition
- Failure messages displayed directly on the controller
- Option to install the controller directly on the unit
- Option to install the controller outside the unit with a connection cable
- Possibility to plan the work schedule of the heat recovery unit in hourly and weekly range
- Possibility to connect to a pre-heater

Additional options available for the BC version with digital T wifi:

- Option to connect via a wifi network or the own network generated by the controller
- Application control option



An example of a complete heat recovery system:



1 Semi-rigid round cable



2 Insulated cables



3 aircycle T 1.35



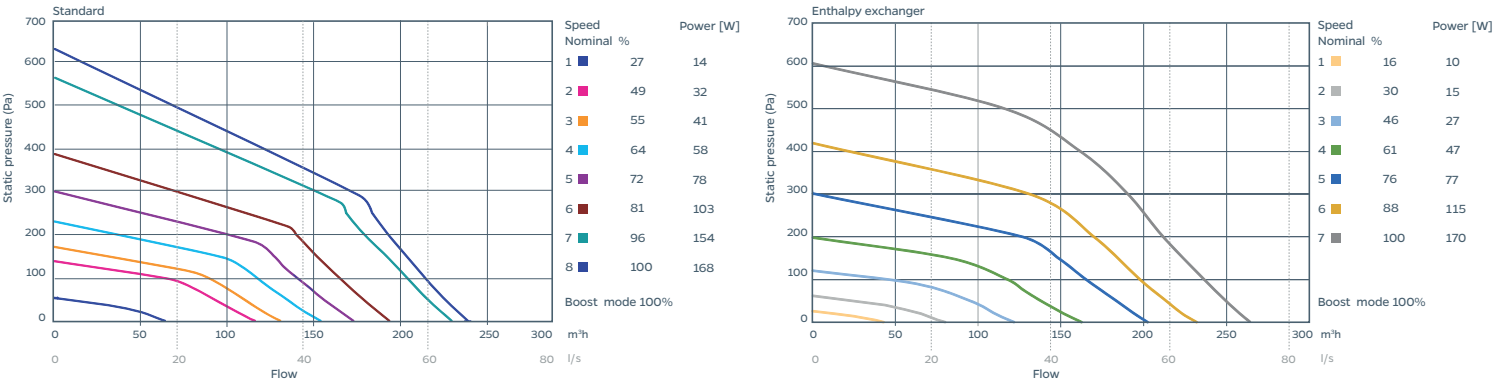
4 Diffuser - supply of air



5 Diffuser - extraction of air

aircycle T 1.35

Performance charts



Acoustic data

Speed							63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Tot. LW	Tot. LWA	Emissions from housing dB(A) @ 3m
18%	50	m³/h	(14 l/s)	@	3 Pa	Extract	42	39	41	42	33	20	20	24	69	47	14
						Supply	27	36	30	29	18	15	19	24	55	38	
						From the housing	4	17	20	23	28	15	19	24	37	31	
40%	104	m³/h	(29 l/s)	@	20 Pa	Extract	49	56	59	57	58	47	39	32	78	64	23
						Supply	31	50	47	45	35	29	22	24	67	52	
						From the housing	12	31	34	35	37	27	24	24	49	41	
45%	119	m³/h	(33 l/s)	@	26 Pa	Extract	50	59	62	60	59	51	43	37	79	66	26
						Supply	31	51	49	47	40	33	25	24	68	55	
						From the housing	12	32	36	38	39	30	27	24	51	43	
52%	140	m³/h	(39 l/s)	@	38 Pa	Extract	52	60	64	62	64	55	47	42	81	69	29
						Supply	34	52	53	50	41	36	28	25	70	57	
						From the housing	17	35	39	42	41	34	31	24	54	46	
58%	158	m³/h	(44 l/s)	@	48 Pa	Extract	55	63	66	65	66	63	51	47	84	72	31
						Supply	36	53	54	52	43	42	31	26	71	58	
						From the housing	22	36	41	43	42	40	34	26	56	48	
66%	176	m³/h	(49 l/s)	@	63 Pa	Extract	56	64	70	67	68	69	54	51	86	75	33
						Supply	43	53	56	55	46	47	34	28	73	60	
						From the housing	26	37	43	45	44	44	38	27	58	51	
80%	209	m³/h	(58 l/s)	@	90 Pa	Extract	59	67	72	71	71	69	58	56	88	77	36
						Supply	44	56	59	58	49	47	39	32	75	63	
						From the housing	38	39	46	49	47	46	42	31	65	54	
100%	216	m³/h	(60 l/s)	@	100 Pa	Extract	60	66	72	71	71	69	59	57	89	78	36
						Supply	43	56	60	58	50	50	40	33	76	64	
						From the housing	33	39	47	49	47	46	43	31	63	54	

Specification

Weight: 16kg **Warranty:** 3 years

- Connections with the diameter: 125 mm
- Left and right versions available
- IP32 certification
- Filters: ISO Coarse 60% (G4) as a standard and ISO ePM1 50% (F7) as an option
- Built-in hygostat
- Warranty period: 3 years
- Electrical data: 230V ~ 50/60Hz, 3A fuse

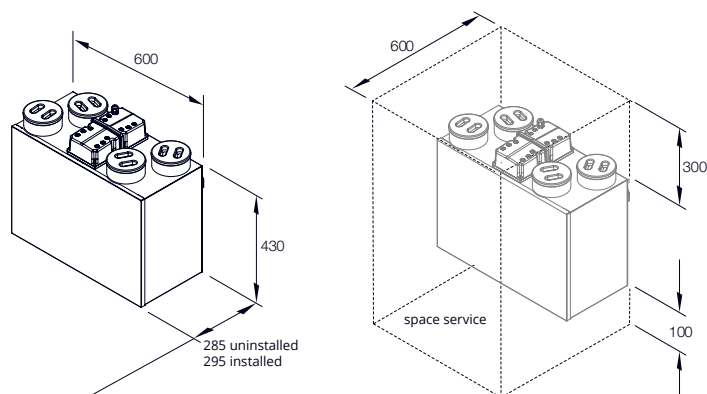
Used materials:

- Housing: galvanized sheet metal, painted white powder coated.
- Interior: Expanded polypropylene (EPP)
- Heat exchanger: Polystyrene
- Internal insulation: Closed-cell foamed nitrile rubber, fire resistance class „O“

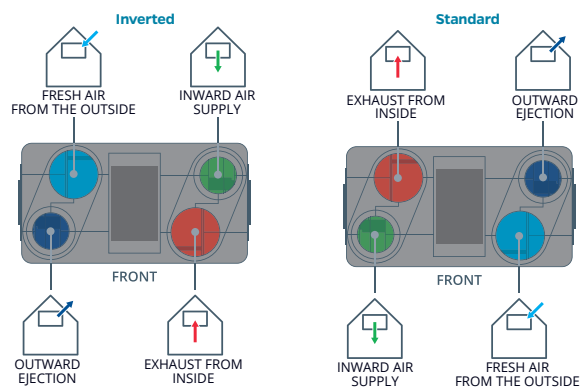
Available versions of aircycle T 1.35

aircycle T 1.35 Product codes	21214700	21214800	21214900	21215000	21215100	21215200	21215300	21215400	21215500	21215600	21215700	21215800	21215900	21216000	21216100	21216200
Configuration																
Inverted	•		•		•		•		•		•		•		•	
Standard		•		•		•		•		•		•		•		•
Version																
HMB	•	•	•	•												
BC					•	•	•	•	•	•	•	•	•	•	•	•
Exchanger																
Standard exchanger	•	•	•	•	•	•	•	•	•	•	•	•				
Enthalpy exchanger													•	•	•	•
Control																
No built-in control					•	•										
Built-in potentiometers	•	•														
Built-in Digital T controller			•	•			•	•								
Built-in Digital T wifi controller									•	•	•	•	•	•	•	•
Possibility to connect a pre-heater					•	•	•	•	•	•	•	•	•	•	•	•
Filter access																
Detachable panel	•	•	•	•	•	•	•	•					•	•		
Door									•	•	•	•			•	•
Filters																
Inlet G4 / Outlet G4	•	•	•	•	•	•	•	•	•	•			•	•		
Inlet F7 / Outlet G4											•	•			•	•

Dimensions (mm)



Channel configuration



BROOKVENT

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