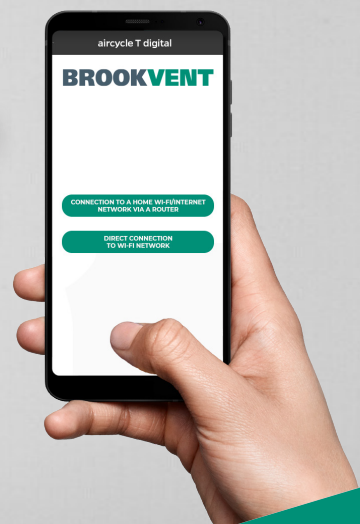
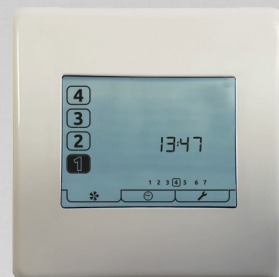


BROOKVENT
aircycle
T200

ENERGY EFFICIENT VENTILATION

WITH HEAT RECOVERY



1,98 W/m³/h

SPECIFIC FAN
POWER

83%

HEAT
RECOVERY

BROOKVENT aircycle[↻] T200

The **aircycle T 200** units are known from high efficiency and low energy consumption in a horizontal configuration - ceiling mounting. The devices of this series are suitable to larger apartments and small houses.



Features & Advantages

- Versatile, very compact
- Patented design
- Quick assembly with the use of a dedicated bracket
- Very low specific fan power - 1,98 W/m³/h
- Low energy EC centrifugal fans
- Energy class A+
- Highly efficient heat exchanger: to 83%
- Air flow up to 300 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
- Intelligent protection against exchanger freezing, through controlled reduction of supply air flows supply air
- Automatic humidity control by built-in humidistat
- Independent control of supply and exhaust fans and exhaust

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

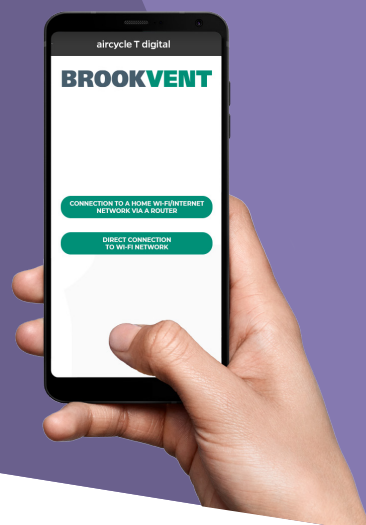
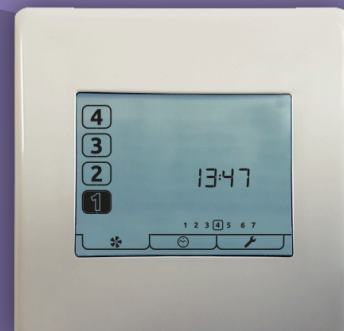
The improved remote control controller has been designed to meet the requirements of the most demanding user. The universal nature of the device allows you to adjust the system settings to the requirements of every project, giving residents freedom to control its functions.

Features & Advantages

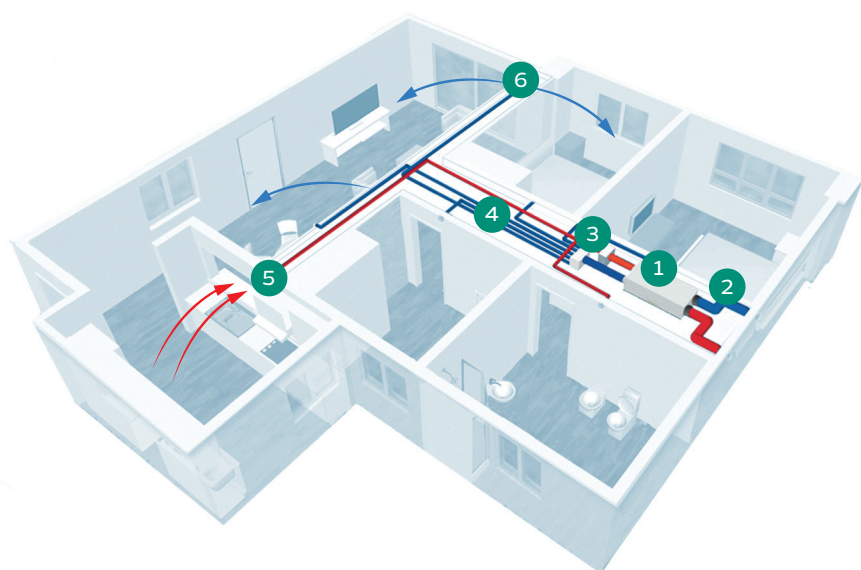
- Controller ensuring quick and simple installation and use of the heat recovery ventilation unit
- Clear menu based on universal symbols
- Continuous monitoring of the unit's technical condition
- Failure messages displayed directly on the controller
- Option to install the controller directly on the 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 aircycle T 200



2 Insulated cables



3 Splitter



4 Semi-rigid round wire



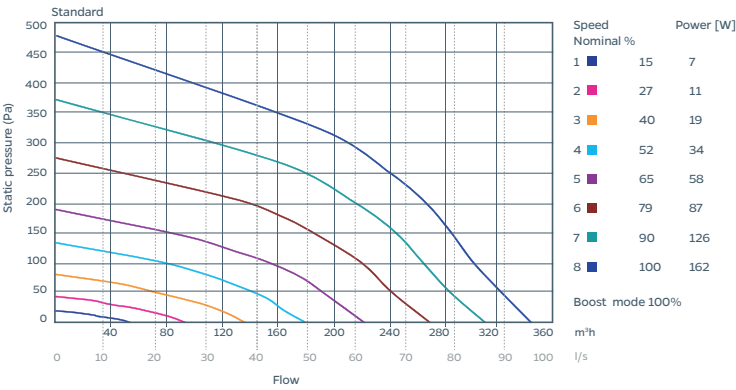
5 Diffuser - extraction of air



6 Diffuser - supply of air

aircycle T 200

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		25	24	33	29	23	16	19	22	52	36	10
					Supply		28	27	27	20	16	14	19	23	55	33	
					From the housing		14	15	22	17	18	15	18	21	41	27	
30%	97	m³/h (27 l/s)	@	9 Pa	Extract		26	27	38	45	36	28	22	23	54	46	17
					Supply		32	29	29	31	20	16	19	23	58	37	
					From the housing		24	28	31	29	25	18	18	21	51	35	
41%	140	m³/h (39 l/s)	@	20 Pa	Extract		30	31	45	52	47	39	34	27	60	54	25
					Supply		33	30	36	36	36	24	19	23	60	42	
					From the housing		29	33	38	36	37	25	19	21	57	43	
53%	191	m³/h (53 l/s)	@	37 Pa	Extract		34	37	51	54	53	47	43	36	65	58	31
					Supply		37	36	42	39	40	38	23	23	64	47	
					From the housing		31	40	44	40	42	33	25	22	61	48	
65%	230	m³/h (64 l/s)	@	60 Pa	Extract		38	40	56	59	61	53	49	44	69	64	37
					Supply		42	39	46	43	46	42	28	24	68	51	
					From the housing		37	44	48	44	51	39	30	23	66	54	
77%	270	m³/h (75 l/s)	@	81 Pa	Extract		41	43	59	62	69	58	54	49	74	71	39
					Supply		47	42	49	46	49	45	33	26	73	55	
					From the housing		39	47	52	48	53	44	35	26	68	57	
88%	295	m³/h (82 l/s)	@	100 Pa	Extract		44	45	61	64	67	62	57	52	75	71	41
					Supply		45	44	52	48	49	48	36	28	72	56	
					From the housing		40	49	54	50	52	49	38	28	70	59	

Specification

Weight: 32kg Warranty: 3 years

- Connections with the diameter: 150, 160 mm or rectangular 204x60mm
- Left and right versions available
- IP32 certification
- Filters: ISO Coarse 60% (G4)
- Warranty period: 3 years
- Electrical data: 230V ~ 50/60Hz, 3A fuse

Materials used:

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

Available versions of aircycle T 200

aircycle T 200 Product codes	21213500	21219100	21219600	21219200
Configuration				
160	•		•	
150		•		•
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 G4 / Outlet G4				

Dimensions (mm)

