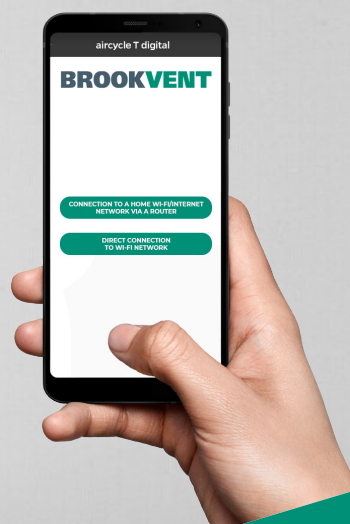


BROOKVENT
aircycle
T10.25

ENERGY EFFICIENT VENTILATION WITH HEAT RECOVERY



1,40 W/m³/h

SPECIFIC FAN
POWER

90%

HEAT
RECOVERY

BROOKVENT aircycle[↻] T10.25

Aircycle **aircycle T10.25** range are designed to combine extremely low energy consumption, highly efficient heat recovery - up to 90% and significantly increased flow performance - up to 518 m³/h.

The use of a special design of the casing made of EPP allows to reduce the weight of the device and provides very good levels of thermal insulation.



Features & benefits

- Versatile, very compact
- Patented design
- Quick assembly with the use of a dedicated bracket
- Very low specific fan power - 1,40 W/m³/h
- Low-energy EC centrifugal fans
- Energy class A+
- Highly efficient heat exchanger: do 90%
- Air flow up to 518 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 freezing through controlled reduction of the supply air flows
- G4 class filters as standard (optional F7)
- Automatic humidity control by built-in hygostat
- Independent regulation of supply and exhaust fans

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

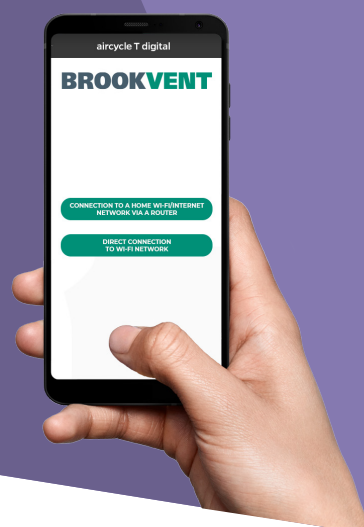
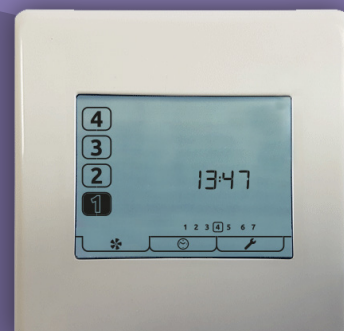
The improved remote control controller has been designed to meet the requirements of the most demanding user. The universal nature of the device allows you to adjust the system settings to the requirements of every project, giving residents freedom to control its functions.

Features & Advantages

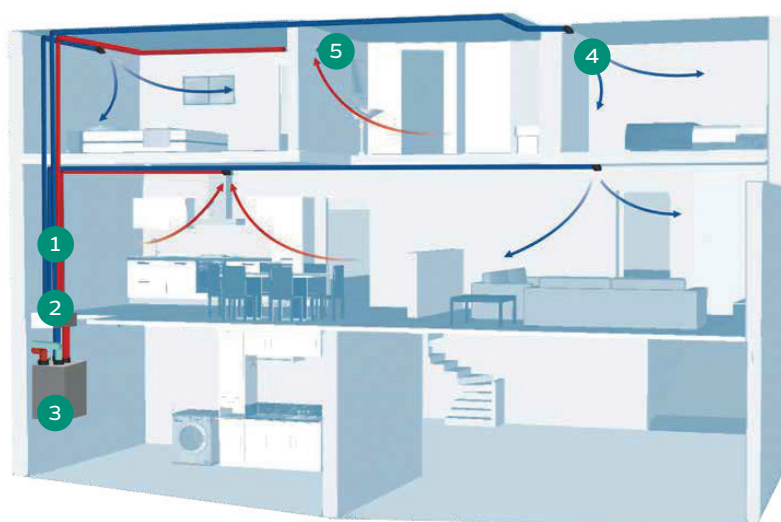
- Controller ensuring quick and simple installation and use of the heat recovery ventilation unit
- Clear menu based on universal symbols
- Continuous monitoring of the unit's technical condition
- Failure messages displayed directly on the controller
- Option to install the controller directly on the 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 10.25



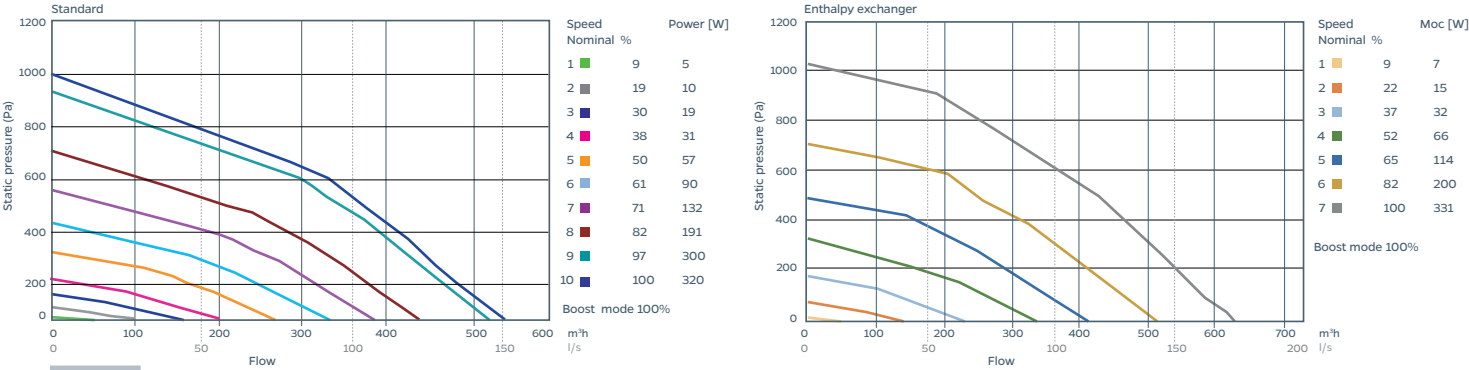
4 Diffuser – supply of air



5 Diffuser – extraction of air

aircycle T10.25

Performance charts



Acoustic data

Prędkość							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%	43	m³/h	(12 l/s)	@	2 Pa	Extract	28	30	33	31	25	18	19	23	54	37	18
						Supply	25	26	28	18	17	14	19	23	51	33	
						From the housing	0	19	31	30	29	21	18	21	42	35	
30%	122	m³/h	(34 l/s)	@	3 Pa	Extract	29	52	47	45	40	30	20	23	68	54	29
						Supply	23	37	39	30	28	17	19	23	55	42	
						From the housing	0	21	41	43	38	28	18	21	52	46	
41%	202	m³/h	(56 l/s)	@	12 Pa	Extract	36	51	63	54	50	44	33	25	73	64	35
						Supply	24	40	48	39	39	28	20	23	60	49	
						From the housing	11	34	48	46	48	39	25	21	59	52	
53%	270	m³/h	(75 l/s)	@	27 Pa	Extract	43	55	67	65	57	53	44	36	78	70	40
						Supply	30	44	51	47	46	37	28	24	64	54	
						From the housing	12	30	43	55	53	48	38	24	61	58	
65%	342	m³/h	(95 l/s)	@	44 Pa	Extract	49	59	78	69	63	59	51	43	88	79	45
						Supply	35	49	58	52	50	44	36	29	70	60	
						From the housing	22	33	56	59	57	54	43	30	67	63	
77%	425	m³/h	(118 l/s)	@	55 Pa	Extract	52	63	69	78	67	54	56	49	85	79	49
						Supply	39	52	55	59	55	48	42	36	72	62	
						From the housing	31	36	50	65	60	58	49	35	70	67	
88%	500	m³/h	(139 l/s)	@	80 Pa	Extract	56	66	71	88	72	68	61	54	92	88	55
						Supply	47	56	58	63	58	52	47	41	76	66	
						From the housing	27	41	52	72	63	61	54	40	76	73	
100%	518	m³/h	(144 l/s)	@	100 Pa	Extract	59	67	72	86	75	69	63	55	92	87	54
						Supply	52	56	59	60	60	53	48	42	79	65	
						From the housing	42	40	52	70	65	62	55	41	75	72	

Specification

Weight: 18kg **Warranty:** 3 years

- Connections with the diameter: 150 mm
- IP32 certification
- Filters: ISO Coarse 60% (G4) as a standard and ISO ePM1 50% (F7) as an option
- Warranty period: 3 years
- Electrical data: 230V ~ 50/60Hz, 3A fuse

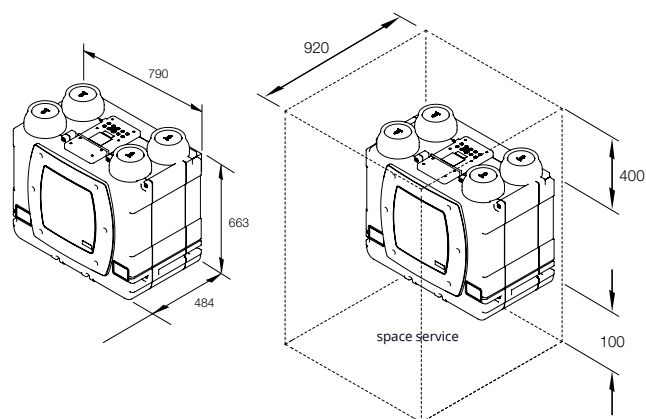
Used materials:

- Enclosure: Expanded polypropylene (EPP)
- Interior: Expanded polypropylene (EPP)
- Heat exchanger: Polystyrene.
- Internal insulation: Closed-cell foamed nitrile rubber, fire resistance class „O”

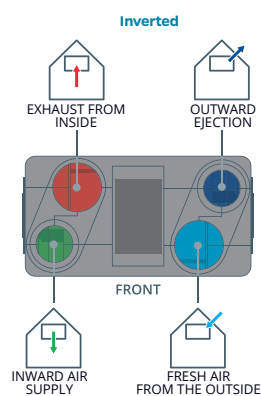
Available versions of aircycle T 10.25

aircycle T 10.25 Product codes	21209300	21209400	21209100	21209500	21209900	21210000	21210100
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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