



Air for life

Technical Data Sheet

Ease 200

English



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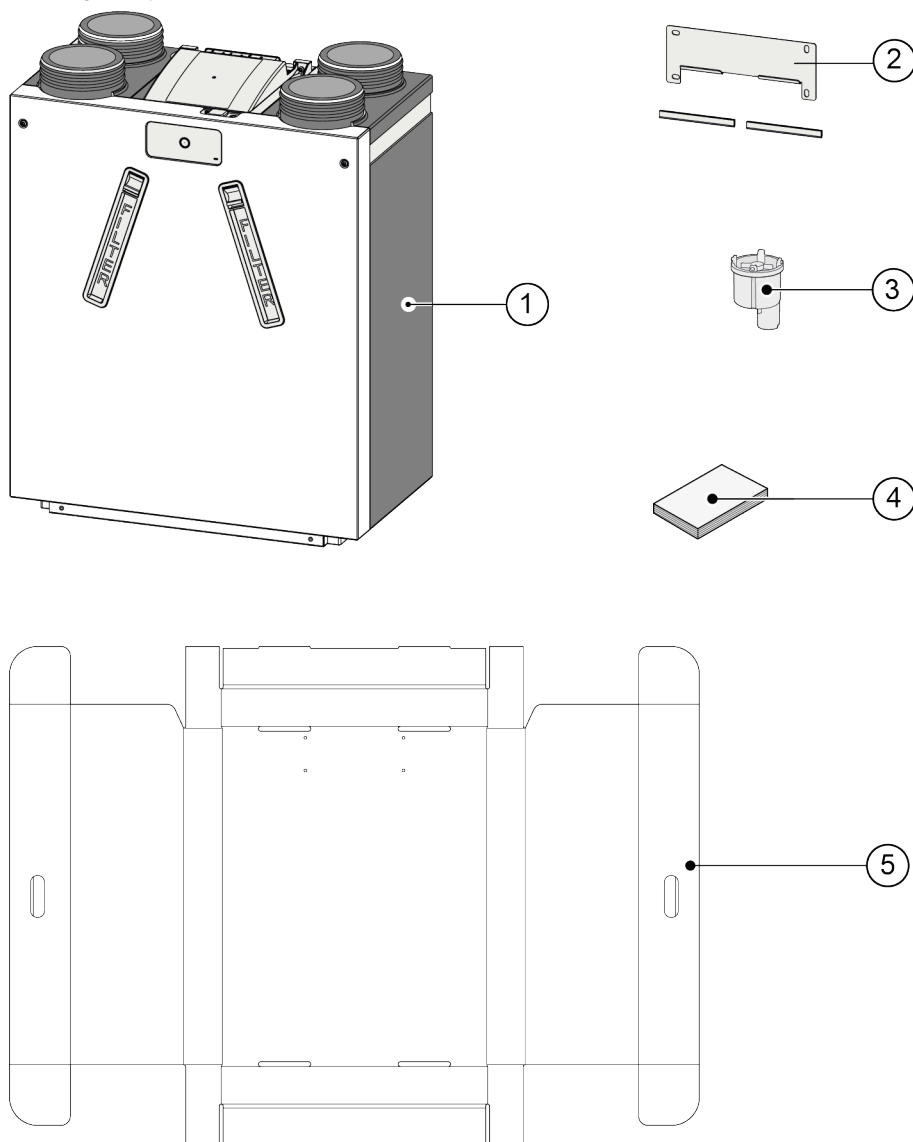
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1 Scope of delivery

Before starting the installation of the heat recovery appliance, check that it has been supplied in complete and undamaged condition.

The delivery size of the heat recovery appliance type Ease 200 consists of the following components:

1. Heat recovery appliance.
2. Wall mounting installation kit consisting of:
 - wall bracket.
 - 2 x rubber strip.
3. Siphon.
4. Installation quick guide.
5. Drilling and mounting template.



2 Technical specifications

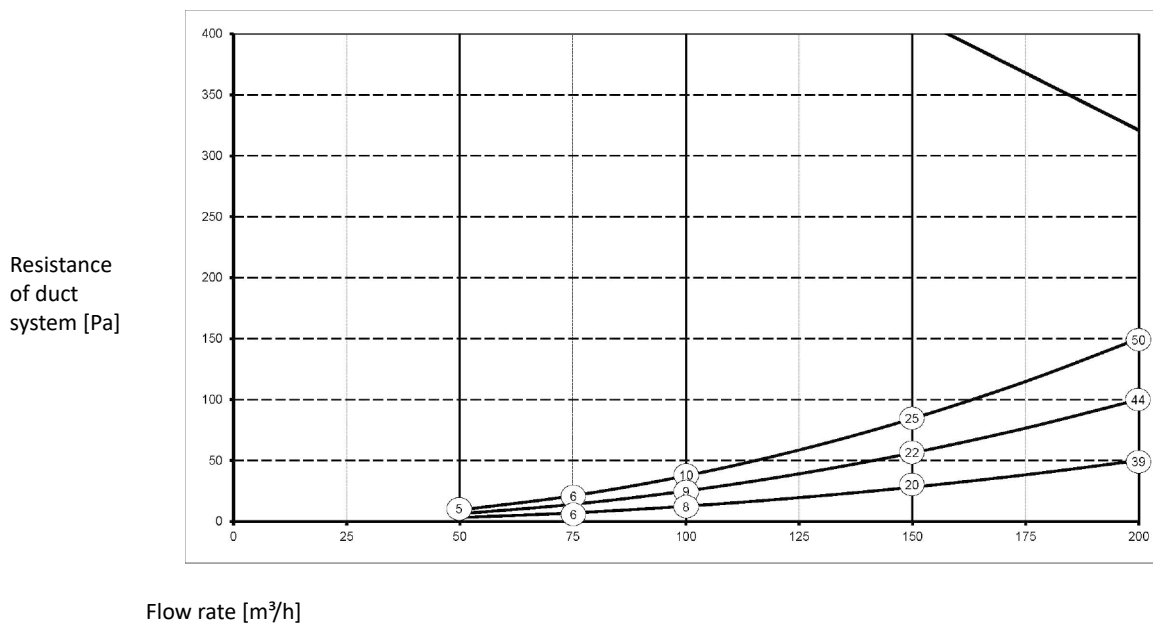
2.1 Technical information

Ease 200										
Supply voltage [V/Hz]	230V/50Hz									
Dimensions (w x h x d) [mm]	560 x 660 x 315									
Duct diameter [mm]	ø 125									
External diameter siphon outlet [mm]	ø 32									
Weight [kg]	17									
Filter class	ISO Coarse 60%									
Fan setting	0		1		2		3		max	
Airflow m³/h (factory set values)	50		75		100		150		200	
Permissible resistance of duct system [Pa]	3	9	7	21	13	38	28	84	50	150
Rated power [W]	8,5	9,2	11,0	12,8	17,0	20,7	39,6	50,2	77,5	100,4
Rated current [A]	0,12	0,13	0,13	0,15	0,17	0,21	0,35	0,43	0,64	0,82
Cos φ	0,310	0,316	0,372	0,383	0,425	0,437	0,496	0,507	0,528	0,535
Max rated current [A]	1,5									
Permitted ambient conditions	Between +2°C and +40°C. RH <90% non condensing									
Storage and transport conditions	Between -20°C and +45°C. RH <90% non condensing									
Permitted air temperature through appliance	Between -20°C and +45°C									
Sound power										
Ventilation capacity [m³/h]							80	120	160	200
Sound power level Lw(A)	Static pressure [Pa]						25	50	75	100
	Casing radiation [dB(A)]						36,2	41,7	46,2	49,7
	Duct “From dwelling” [dB(A)]*						37,5	45,5	50,5	55,5
	Duct ‘To dwelling’ [dB(A)]*						53	61,5	66,5	70,5

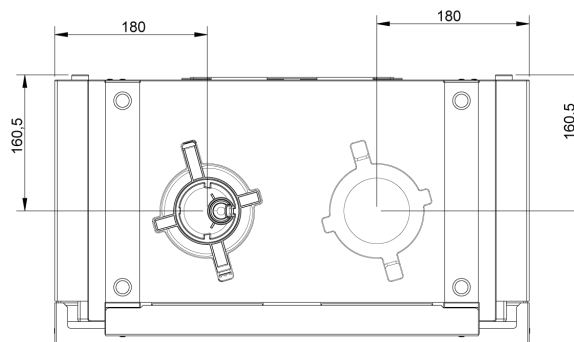
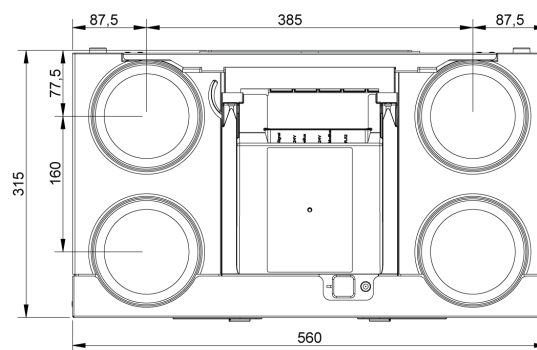
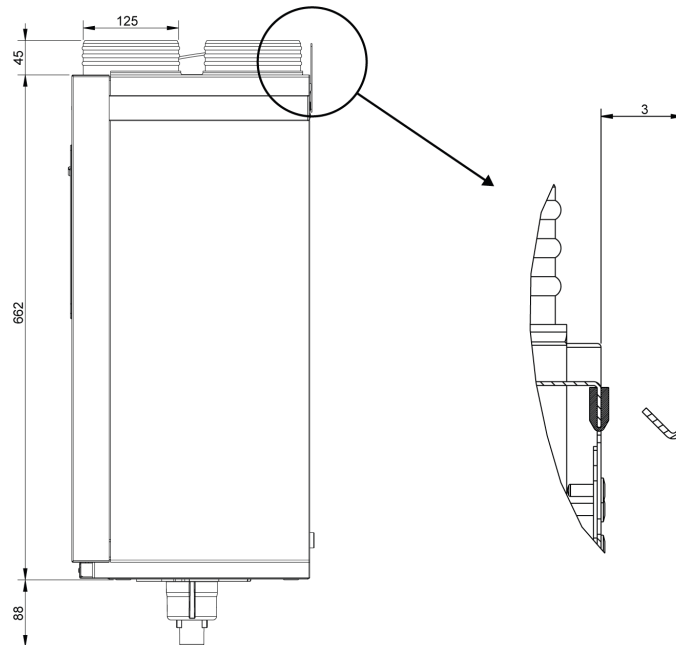
*) Duct sound level including end correction

In practice the value may differ by 1dB(A) through measurement tolerances.

The stated value in the circle is the capacity (in Watt) per fan



2.2 Dimensions



All indicated dimensions are in mm.

The condensate drain outlet is located in the bottom left or right side of the appliance side depending on the version, see → [Connections](#) -> page 7

2.3 Connections

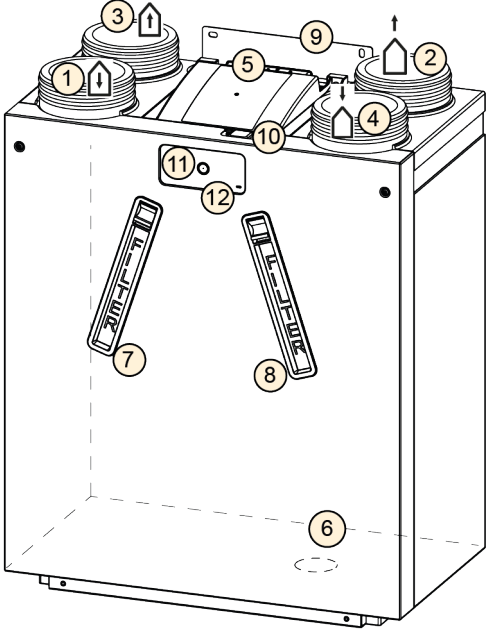
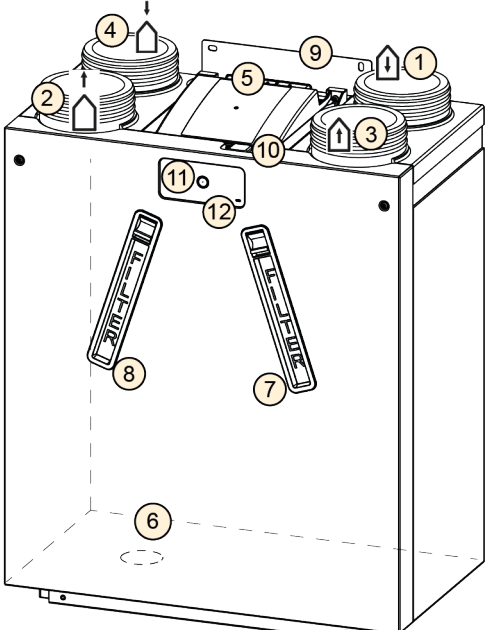
The Ease 200 appliance is available in a left-hand and right-hand version.

Left-hand version:

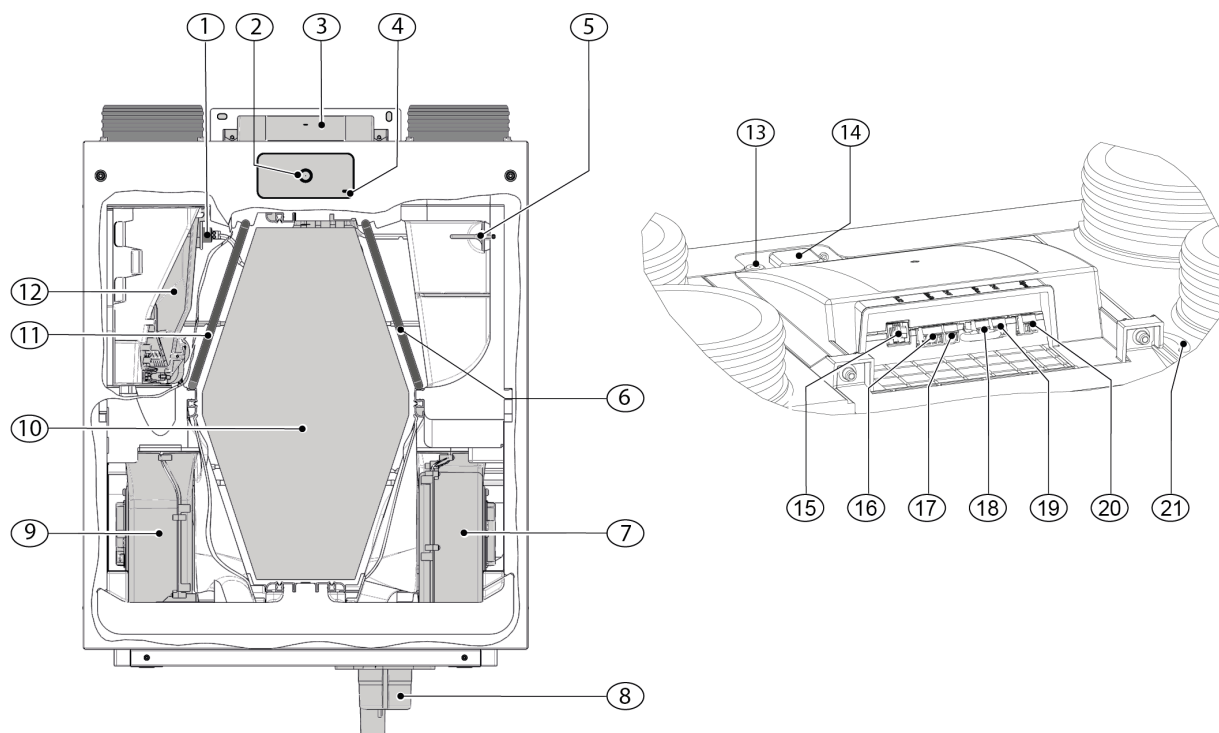
- The “warm” connections supply air (1) and extract air (3) are on the left-hand side of the appliance.
- The condensate drain outlet is located at the right-hand side on the bottom of the appliance.

Right-hand version:

- The “warm” connections supply air (1) and extract air (3) are on the right-hand side of the appliance.
- The condensate drain outlet is located at the left-hand side on the bottom of the appliance.

Left-hand version			Right-hand version		
					
1	Supply air		7	Exhaust air filter	
2	Exhaust air		8	Supply air filter	
3	Extract air		9	Mounting bracket	
4	Outdoor air		10	USB and Service Tool connection	
5	Electrical connections PCB		11	Push button	
6	Siphon connection		12	Status LED	

2.4 Overview internal parts

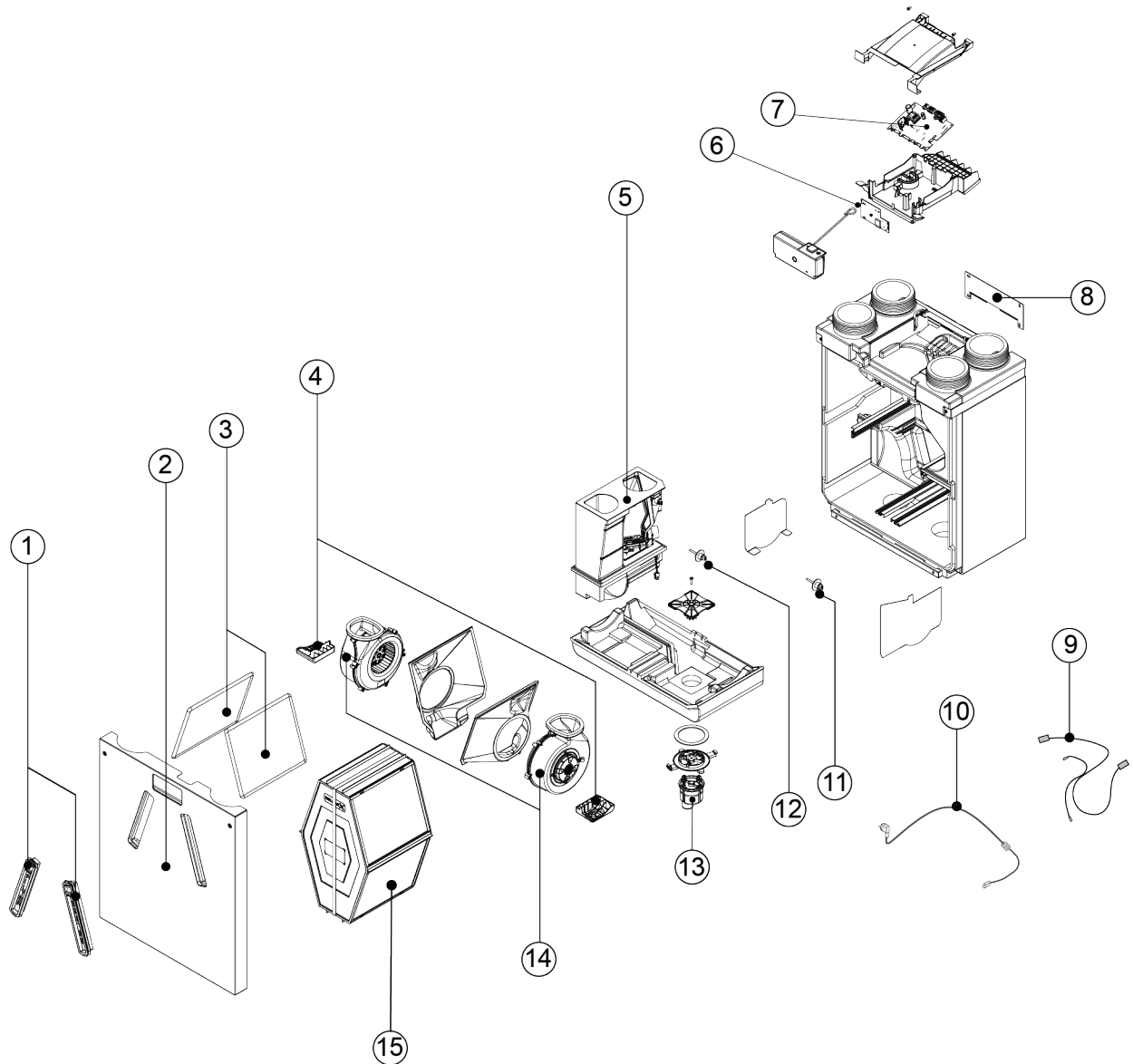


The appliance shown above is a left-hand version: in a right-hand version all the internal parts are mirrored.

1	Extract air temperature sensor (NTC2)	12	Bypass valve incl. motor
2	Push button	13	Service Tool connection
3	PCB location	14	USB connection
4	Status LED	15	RJ12 connector (X14/black)
5	Outdoor air temperature sensor (NTC1)	16	ModBus connection (X15/red)
6	Supply air filter	17	24V connection (X16/black)
7	Exhaust fan	18	eBus connection (X17/green)
8	Siphon	19	24V connection (X18/black)
9	Supply fan	20	Relay output (X19/blue)
10	Heat exchanger	21	230V power supply cable
11	Exhaust air filter		

3 Service parts

3.1 Exploded view service articles



3.2 Service parts list

No.	Article description	Article code
1	Filter caps (2 pcs)	532977
2	Front cover	533046
3	Filter ISO Coarse 60% (2 pcs)*	532994
4	Fan holder (1 pcs)	533049
5	Bypass valve with motor complete	533048
6	Button PCB	532979
7	Main PCB**	532978
8	Mounting bracket	533044
9	Cable set	533043
10	Mains plug and cable 230V ***	532756
11	Outdoor air temperature sensor NTC1 10K	531775
12	Extract air temperature sensor NTC2 10K	531775
13	Siphon	532762
14	Fan (1 pcs) (Without fan housing)****	533042
15	Heat exchanger	533041

* It is also possible to order filters via www.brinkclimatesystems.nl

** When replacing the main PCB, always use the Service Tool to set the correct DIP-switch value and serial number. Without the correct DIP-switch value the unit will NOT function! See → [Ordering service parts](#) -> page 11 for information

*** The power cable is fitted with a circuit board connector. When replacing it, always order a replacement mains cable from Brink Climate Systems B.V.

To prevent dangerous situations, a damaged mains connection can only be replaced by a qualified expert.

**** Brink Climate Systems B.V. supplies fans from different suppliers under the same service article number. All ordered Ease 200 fans are compatible for the appliance.



Warning

Without the correct DIP-switch value set in the main PCB the appliance will NOT function!

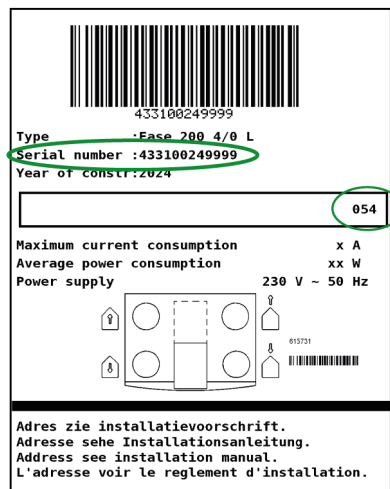
When a replacement main PCB is ordered, the DIP-switch settings and serial number need to be programmed correctly into the PCB after installation.

Set the DIP-switch and serial number in the PCB with the Service Tool under the tab "Diagnostics".

The DIP-switch value can be found on the type plate (3 digits on the far right in the frame with the device name, the first 0 should not be entered).

The serial number can be found on the type plate as well.

The type plate is located on top of the appliance on the PCB cover.



3.3 Ordering service parts

When ordering parts, in addition to the article code number (see exploded view), please state the heat recovery appliance type, the serial number, the year of production and the name of the part:

Example	
Appliance type	Ease 200
Serial number	433100250101
Year of production	2024
Part	Fan
Article code	533042
Quantity	1

4 Declaration of Conformity

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Manufacturer: **Brink Climate Systems B.V.**
Address: **PO Box 11**
 NL-7950 AA, Staphorst, The Netherlands
Product: **Ease 200**

The product described above complies with the following directives:

- | | |
|-------------------|-----------------------------|
| ◆ 2014/35/EU | (OJEU L 96/357; 29-03-2014) |
| ◆ 2014/30/EU | (OJEU L 96/79; 29-03-2014) |
| ◆ 2009/125/EU | (OJEU L 285/10; 31-10-2009) |
| ◆ 2017/1369/EU | (OJEU L 198/1; 28-07-2017) |
| ◆ RoHS 2011/65/EU | (OJEU L 174/88; 01-07-2011) |

The product described above has been tested according to the following standards:

- | | |
|---------------------|--|
| ◆ EN IEC 55014-1: | 2021 |
| ◆ EN IEC 55014-2: | 2021 |
| ◆ EN IEC 61000-3-2: | 2019 + A1:2021 |
| ◆ EN 61000-3-3: | 2013 + A1:2019 + A2:2021 |
| ◆ EN 60335-1: | 2012 + AC:2014 + A11:2014 + A13:2017 + A1:2019 + A2:2019 + A14:2019 + A15:2021 |
| ◆ EN 60335-2-40: | 2003 + A11:2004 + A12:2005 + AC:2006 + A1:2006 + A2:2009 + AC:2010 + A13:2012 |
| ◆ EN 62233: | 2008 + AC:2008 |

Staphorst, 18-11-2024

R.J.F. Maassen
Country Manager Heating and Ventilation Netherlands

5 ERP values

Technical information sheet Ease 200 in accordance with Ecodesign (ErP), no. 1254/2014 (Annex IV)					
Manufacturer:		Brink Climate Systems B.V.			
Model:		Ease 200			
Climate zone	Type of control	SEC Value in kWh/m²/a	SEC Class	Annual electricity consumption (AEC) in kWh	Annual heating saved (AHS) in kWh
Average	manual	-36,27	A	371	4486
	clock control	-37,27	A	339	4507
	1x sensor (RH/CO ₂ /VOC)	-39,15	A	280	4548
	2 or more sensors (RH/CO ₂ /VOC)	-42,42	A+	183	4631
Cold	manual	-73,80	A+	908	8776
	clock control	-75,00	A+	876	8817
	1x sensor (RV/CO ₂ /VOC)	-77,28	A+	817	8898
	2 or more sensors (RH/CO ₂ /VOC)	-81,34	A+	720	9060
Hot	manual	-12,14	E	326	2029
	clock control	-13,03	E	294	2038
	1x sensor (RH/CO ₂ /VOC)	-14,68	E	235	2057
	2 or more sensors (RH/CO ₂ /VOC)	-17,50	E	138	2094
Type of ventilation unit:		Balanced residential ventilation appliance with heat recovery			
Fan:		EC - fan with infinitely variable control			
Type of heat exchanger:		Recuperative plastic cross-counterflow heat exchanger			
Thermal efficiency:		87%			
Maximum flow rate:		200 m³/h			
Maximum rated power:		152 W			
Sound power level L _{wa} :		43,7 dB(A)			
Reference flow rate:		140 m³/h			
Reference pressure:		50 Pa			
Specific Power Input (SEL):		0,26 Wh/m³			
Control factor:		1.0 in combination with multiple position switch			
		0.95 in combination with clock control			
		0.85 in combination with 1 sensor			
		0.65 in combination with 2 or more sensors			
Leakage*	Internal	1,40%			
	External	0,90%			
Position dirty filter indication:		Permanently lit red LED on the appliance / on the multiple position switch (LED) / on the Brink Air Control or <Touch_Control. Attention! For optimal energy efficiency and a proper operation, a regular filter inspection, cleaning or replacement is necessary.			
Internet address for Assembly instructions:		https://www.brinkclimatesystems.nl/support/downloads			
Bypass:		Yes, 100% Bypass			

* Measurements executed by TZWL according to the EN 13141-7 standard

6 Recycling and disposal



Do not dispose of as household waste!

In accordance with the Waste Disposal Act, the following components must be disposed of or recycled in an environmentally compatible manner by means of appropriate collection points:

- Old appliance
- Wearing parts
- Defective components
- Electrical or electronic waste
- Environmentally hazardous liquids and oils

Environmentally compatible means separated by material groups to ensure the greatest possible recyclability of the basic materials with the minimum environmental impact.

1. Dispose of packaging made of cardboard, recyclable plastics and synthetic filler materials in an environmentally compatible manner through appropriate recycling systems or a recycling center.
2. Please observe the applicable national and local regulations.

Brink Climate Systems B.V.

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