BRINK

Air for life

Technical Data Sheet

Ease 200 Enthalpy

English

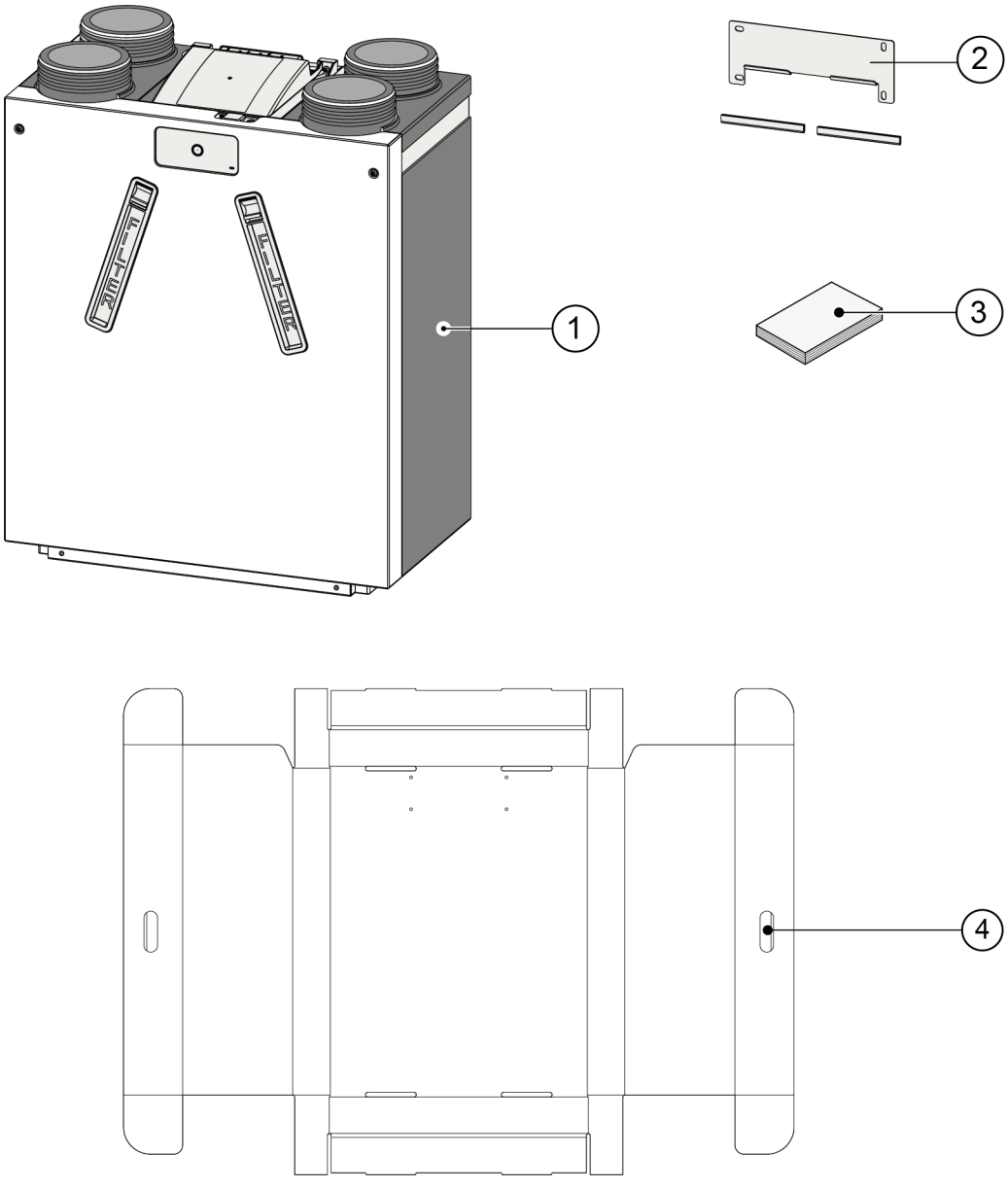
Contents

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 Enthalpy consists of the following components:

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



2 Technical specifications

2.1 Technical information

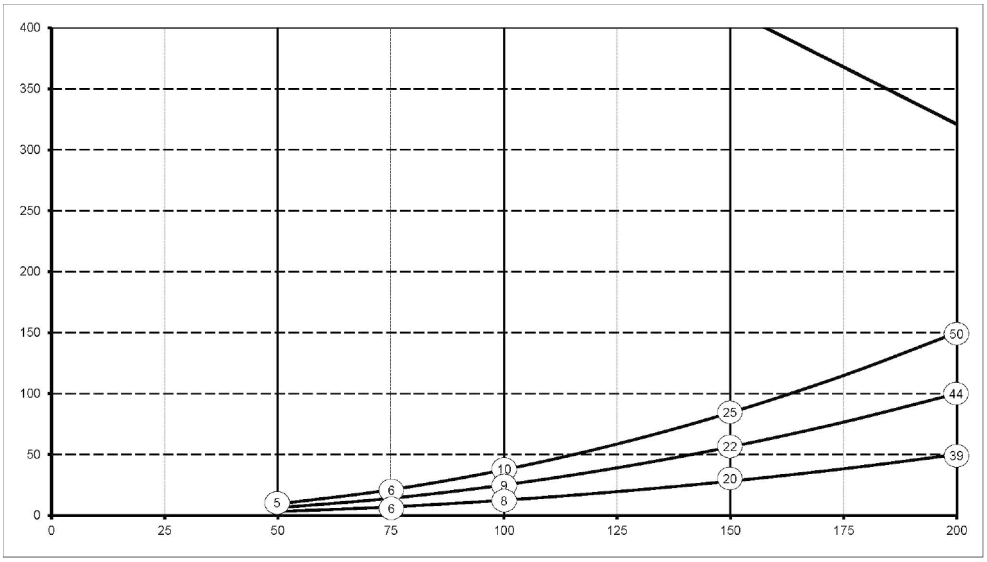
Ease 200 Enthalpy										
Supply voltage [V/Hz]	230V/50Hz									
Dimensions (w x h x d) [mm]	560 x 660 x 315									
Duct diameter [mm]	ø 125									
Weight [kg]	20									
Filter class	ISO Coarse 60%									
Fan setting	0		1		2		3		max	
Airflow m³/h (factory set values)	50		75		100		150		200	
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.

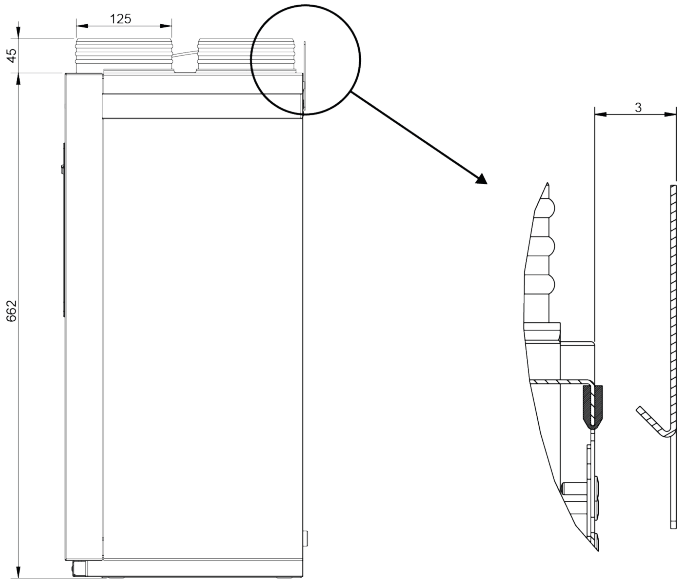
The stated value in the circle is the capacity (in Watt) per fan

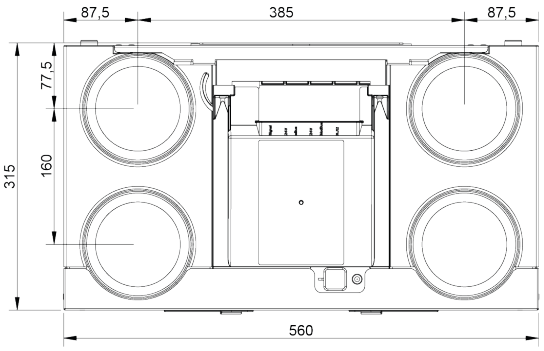
Resistance of duct system [Pa]



Flow rate [m³/h]

2.2 Dimensions





All indicated dimensions are in mm.

2.3 Connections

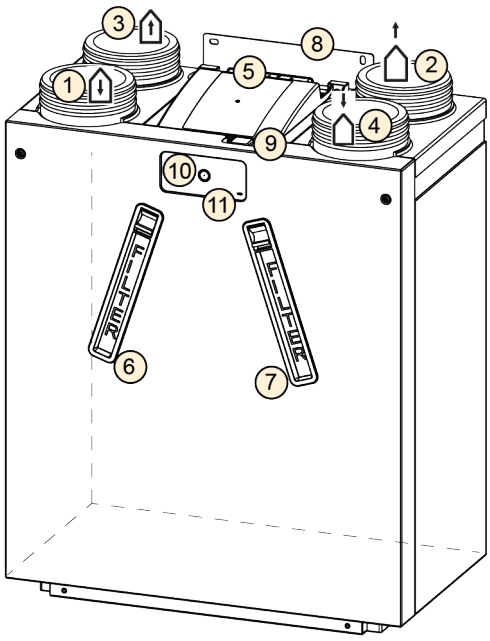
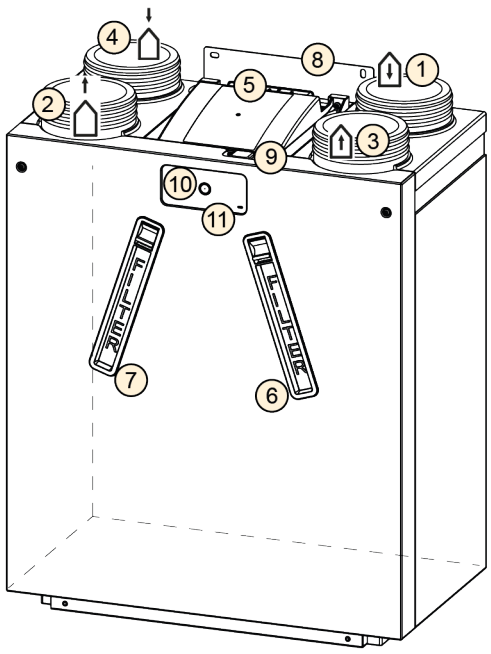
The Ease 200 Enthalpy appliance is available in a left-hand and right-hand version.

Left-hand version:

- The "warm" connections supply air (1) and extract air (3) are on the left-hand side of the appliance.

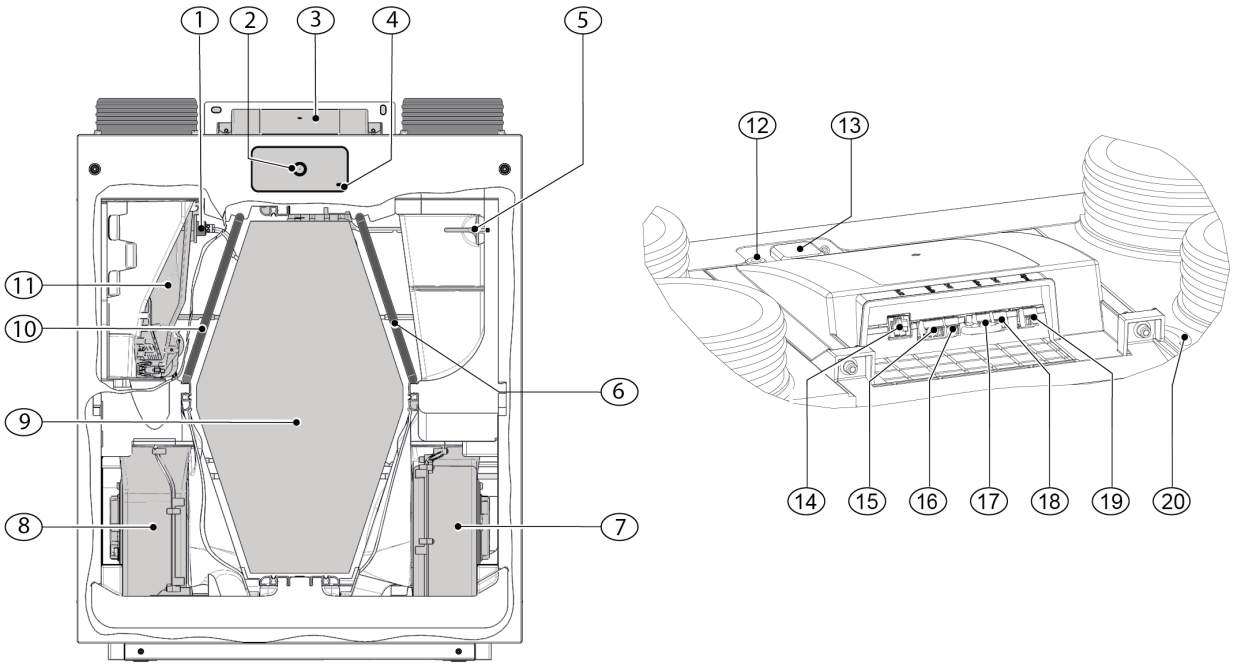
Right-hand version:

- The "warm" connections supply air (1) and extract air (3) are on the right-hand side of the appliance.

Left-hand version	Right-hand version
	

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

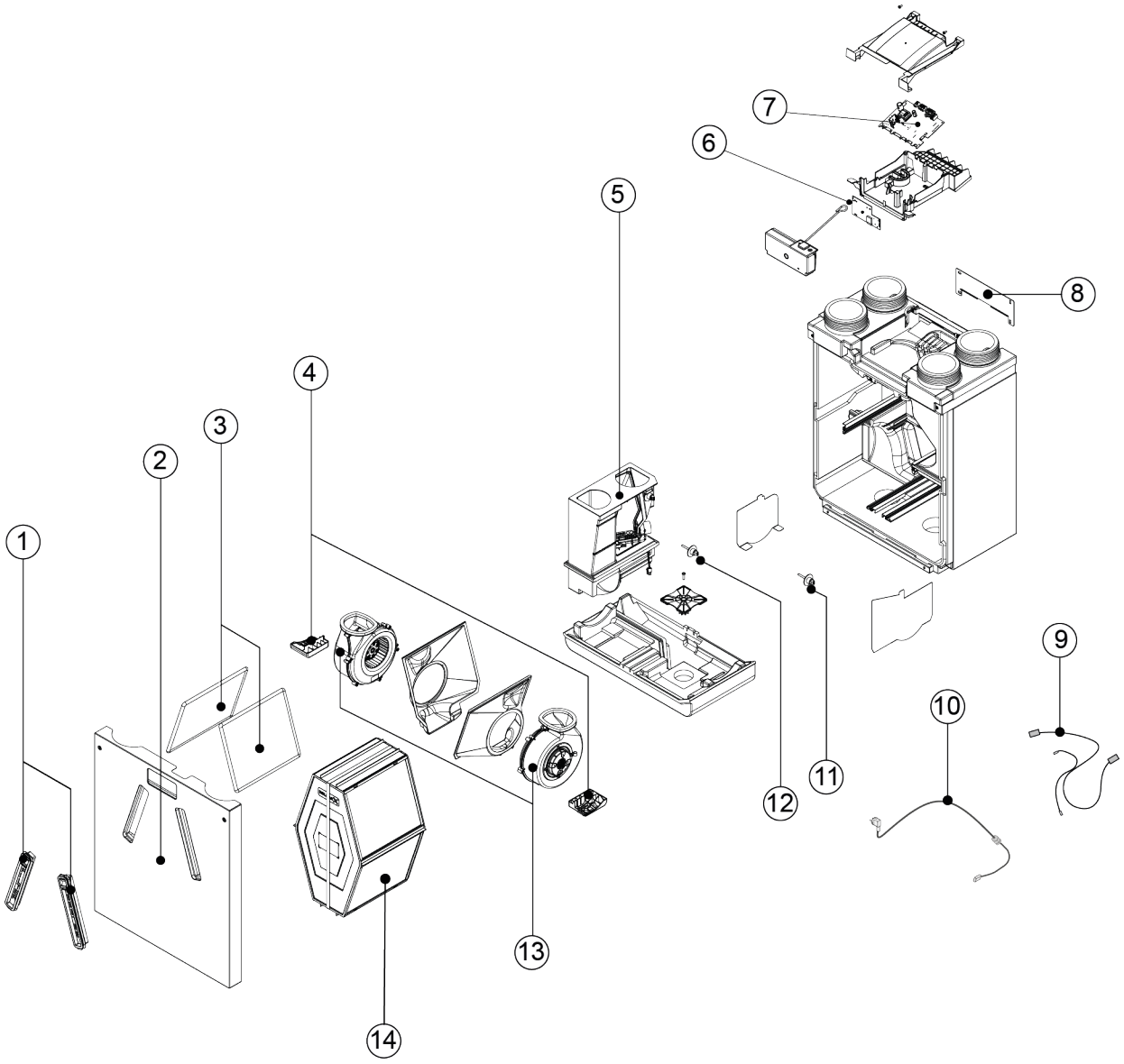
2.4 Overview internal parts



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

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	Fan (1 pcs) (Without fan housing)****	533042
14	Heat exchanger enthalpy	532976

* 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 Enthalpy fans are compatible for the appliance.

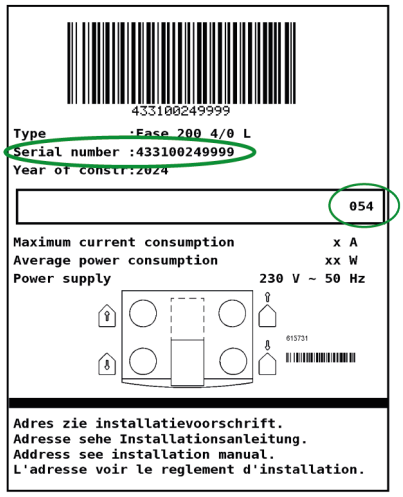
Warning

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 Enthalpy
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 Enthalpy**

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 etherlands

5 ERP values

Technical information sheet Ease 200 Enthalpy in accordance with Ecodesign (ErP), no. 1254/2014 (Annex IV)					
Manufacturer:		**Brink Climate Systems B.V.**			
Model:		**Ease 200 Enthalpy**			
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	-32,77	B	371	4136
	clock control	-33,94	B	339	4174
	1x sensor (RH/CO_2/VOC)	-36,17	A	280	4251
	2 or more sensors (RH/CO_2/VOC)	-40,15	A	183	4404
Cold	manual	-66,95	A+	908	8091
	clock control	-68,49	A+	876	8166
	1x sensor (RV/CO_2/VOC)	-71,45	A+	817	8315
	2 or more sensors (RH/CO_2/VOC)	-76,88	A+	720	8614
Hot	manual	-10,56	E	326	1870
	clock control	-11,53	E	294	1888
	1x sensor (RH/CO_2/VOC)	-13,34	E	235	1922
	2 or more sensors (RH/CO_2/VOC)	-16,47	E	138	1991
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:		76%			
Maximum flow rate:		200 m³/h			
Maximum rated power:		152 W			
Sound power level Lwa:		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.

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