

Wentilo ICON heat recovery unit IC120 S1



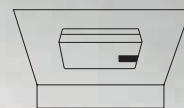
The **airCare+**
antibacterial
coating



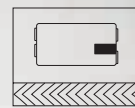
Made in **Poland**



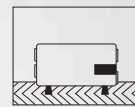
ASSEMBLY OPTION



Suspended



Hanging



Standing

Quality certificate

cool, temperate climate



**CERTIFIED
COMPONENT**

Passive House Institute

Features



Effective
protection



Temperature
comfort



Surprisingly quiet
device



Healthy breathing



Higher energy
efficiency
standard



Control your unit
however and
wherever you want



Puristic
design



Moisture recovery
or removal



Light weight
and compact
dimensions



I am simple
for you



The power of
technology

Technologies



The **iNOFRAME**
technology
platform



iCARE air filtration
and purification



iENERGY heat
recovery



iFLOW
airflow



Automatic
bypass **iDIRECT**



iHEAT anti-freeze
protection



iSENSOR
demand
control*



iCLIMATE
climate adaptation
technology*



iCOMFORT
air cooling and
heating*



iLEAD
condensate
drain

Equipment



airENERGY heat
exchanger



Supply air filtration
G4 Coarse 75%



Supply air
filtration F7
ePM1 70%



Extract air filtration
M5 ePM10 55%



The **airCare+**
antibacterial
coating



airFLOW
fan



Automatic
bypass
airDIRECT

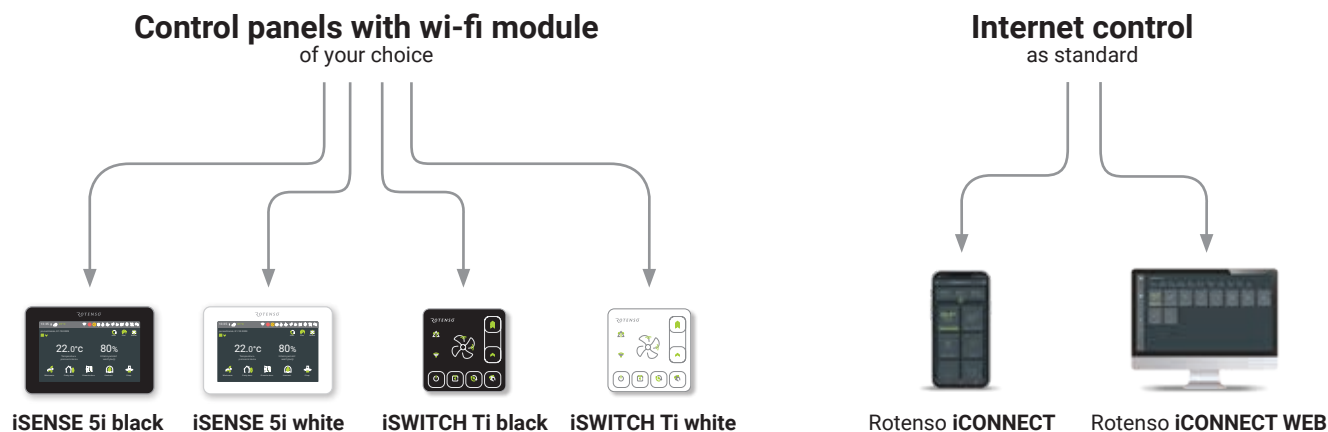


airHEAT
preheater



iEDGE control
system

MyRotenso control options

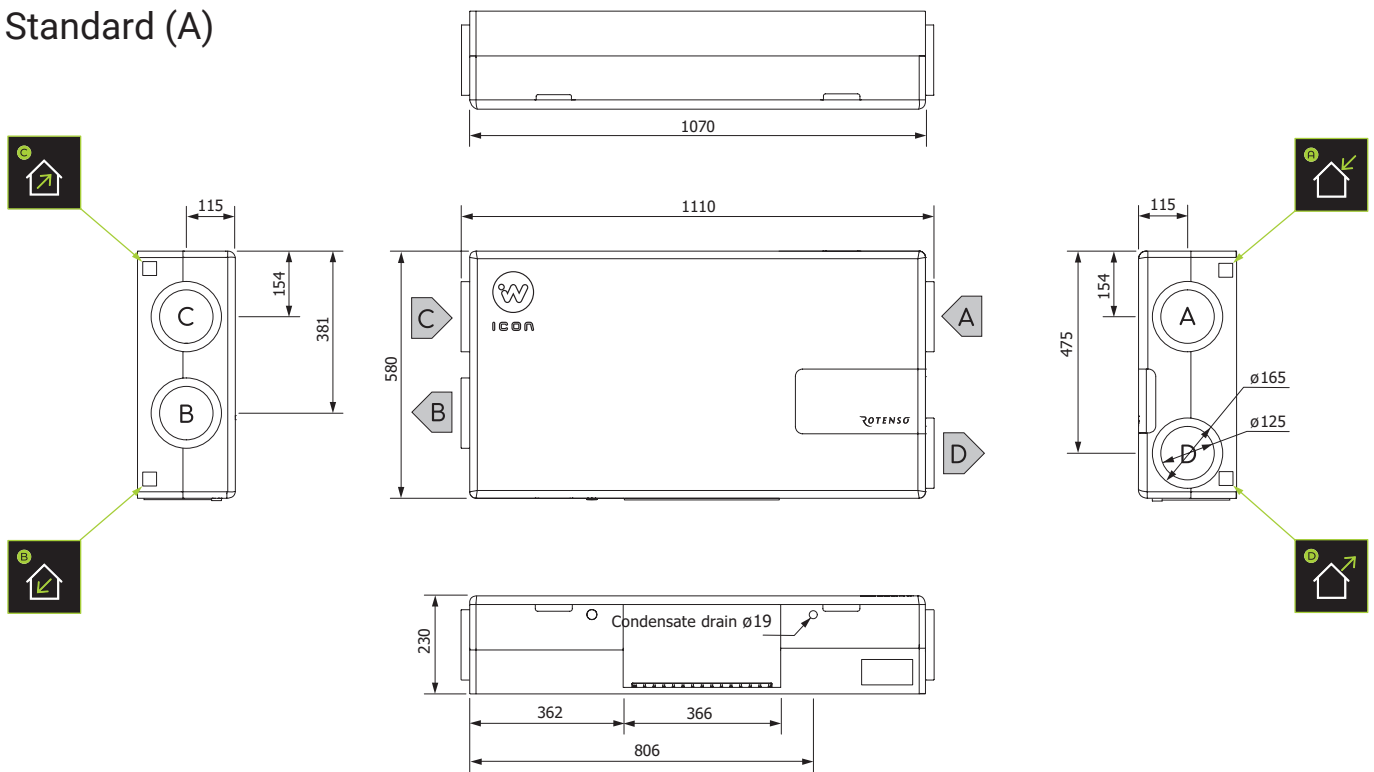


Technical specifications

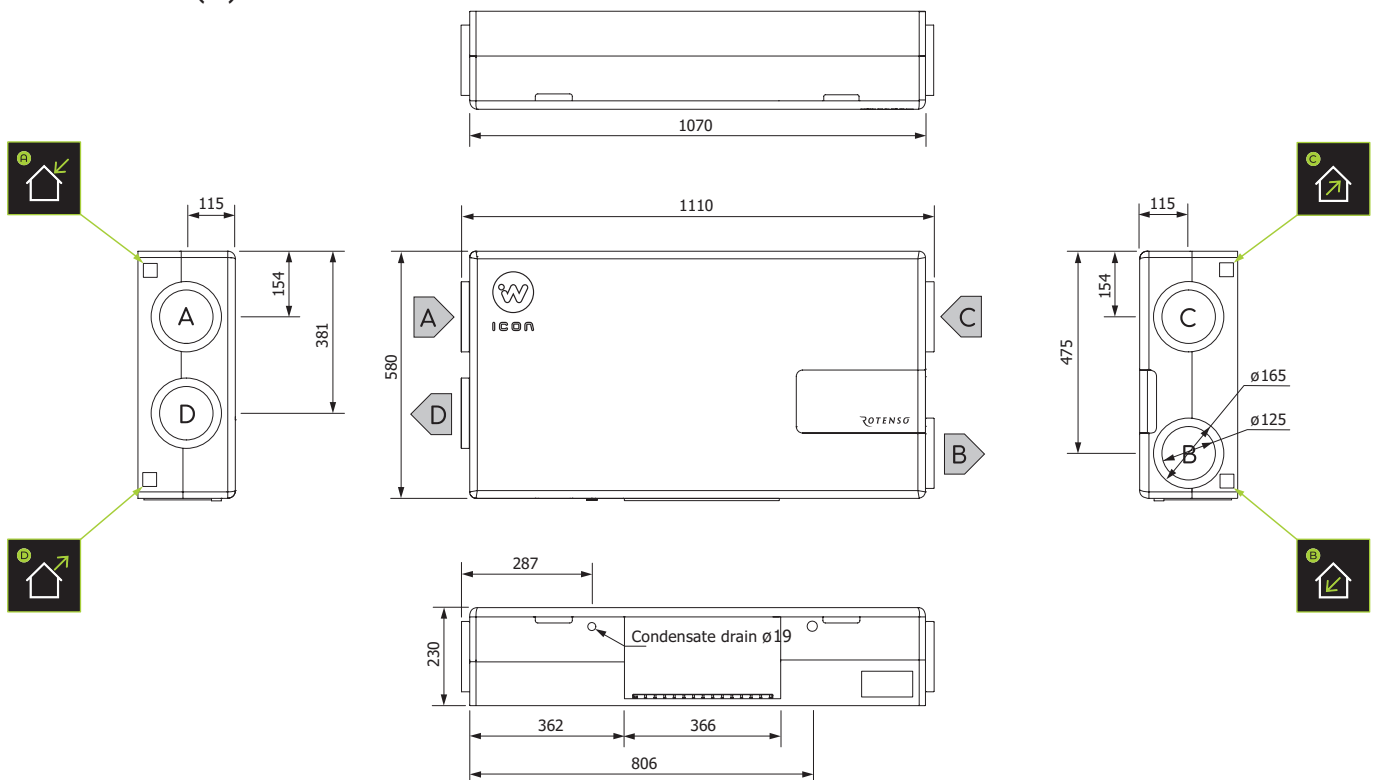
Parameter		Wentilo ICON IC120 S1
Maximum flow rate	m³/h	120
External static pressure	Pa	100
Reference flow rate	m³/h	84
Minimum flow rate	m³/h	65
Maximum heat recovery efficiency	%	90
Heat recovery efficiency at reference flow rate	%	90
Sound power level	dB(A)	47
Energy efficiency class		A
Power input at reference flow rate	W	28
Filters	Supply air from outside the building	Anti-pollen filter iCARE G4 Coarse 75%
	Supply air from outside the building	Anti-smog filter iCARE F7 ePM1 70%
	Extract air from the room	Anti-pollen filter iCARE M5 ePM10 55%
Heat exchanger		Counterflow plate
Bypass		100% bypass
AEC (Annual Electricity Consumption) according to the with Commission Delegated Regulation (EU) No 1254/2014	kWh/a	414
AHS (Annual Heating Savings) according to the with Commission Delegated Regulation (EU) No 1254/2014	kWh/a	4604
Recommended dwelling area	m²	50 - 70
AEC for the recommended dwelling area	kWh/a	200 - 305
AHS for the recommended dwelling area	kWh/a	2303 - 3223
Electric power input of the fan drive at maximum flow rate	W	49
Preheater		As standard
Steady-state preheater power	W	740
Temperature change at the preheater at maximum flow rate	°C	19
Power supply	V, Hz	230, 50
Rated current	A	4
Net dimensions	mm	1110 × 582 × 230
Gross dimensions	mm	1145 × 665 × 260
Net weight	kg	14
Gross weight	kg	16
Spigot diameter	mm	125
Condensate drain diameter	mm	20
Operating temperature range in the room	°C	5 - 45

IC execution sides

Standard (A)

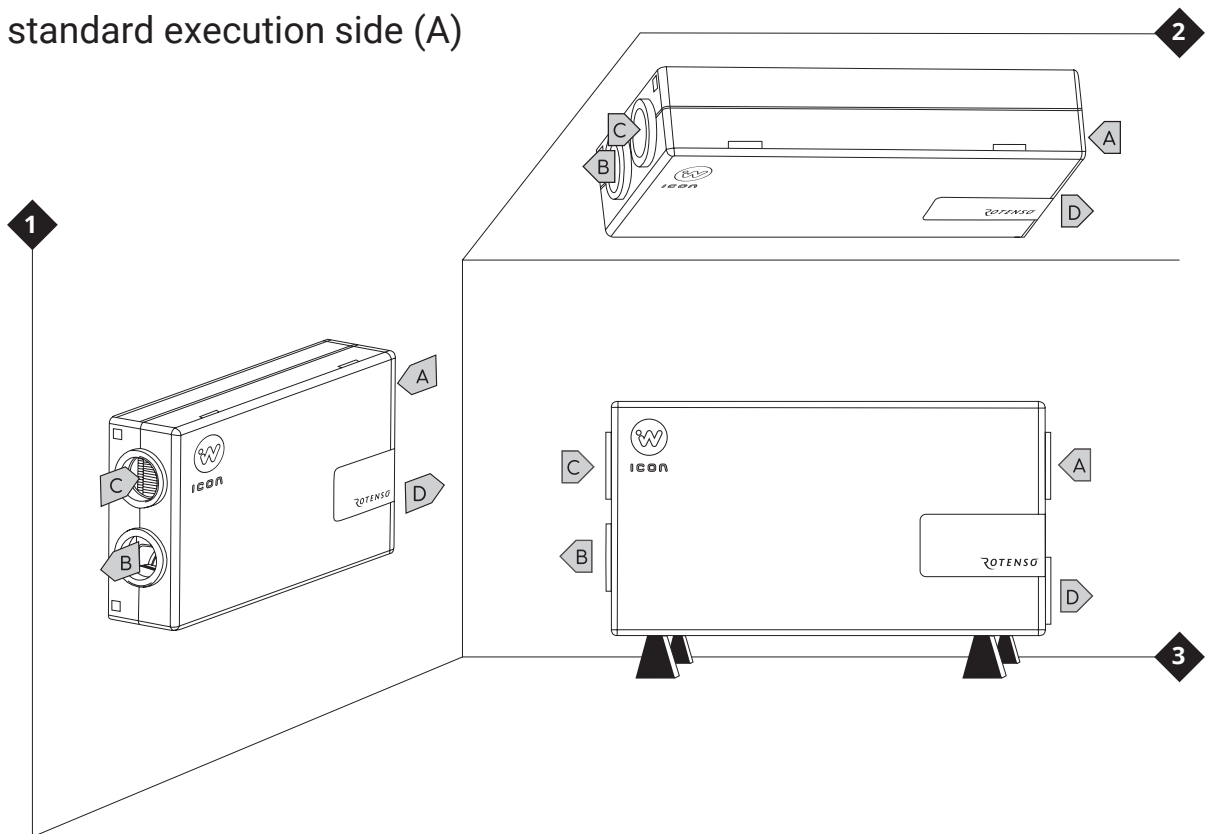


Alternative (B)

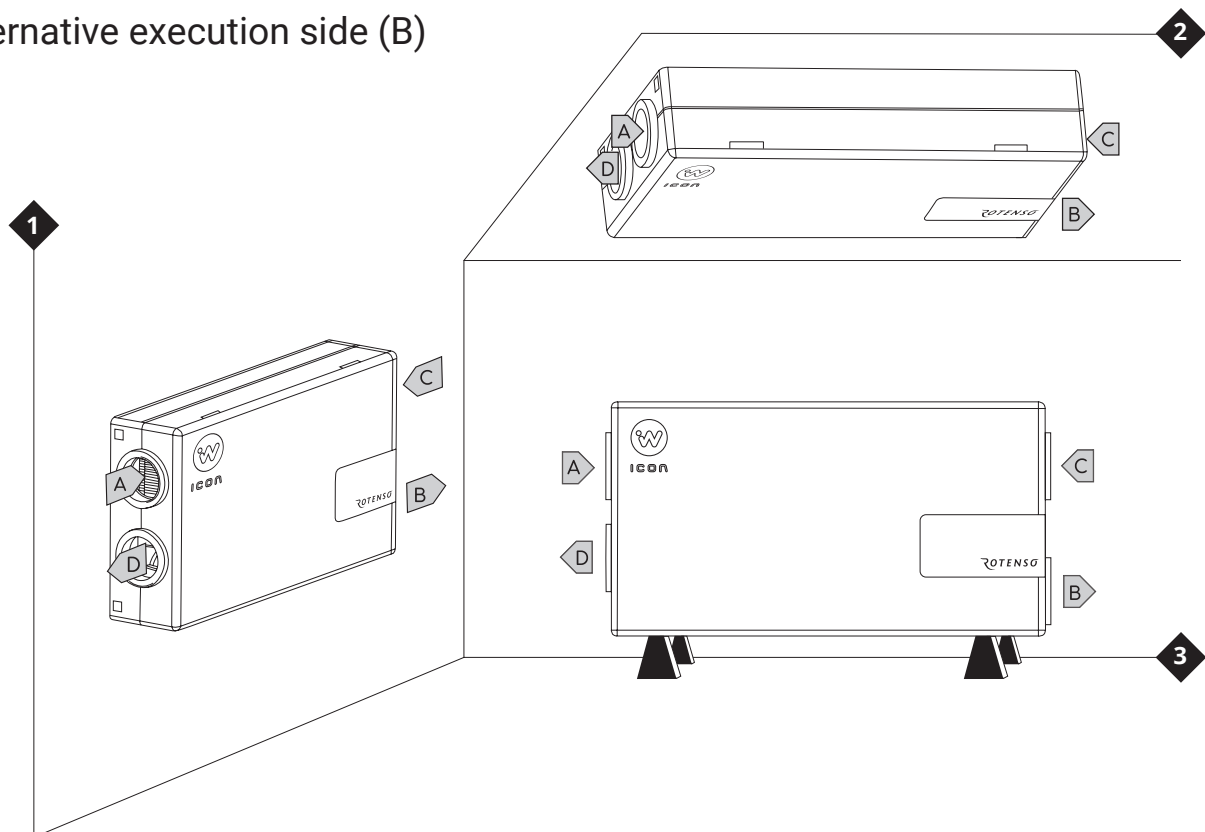


IC mounting options

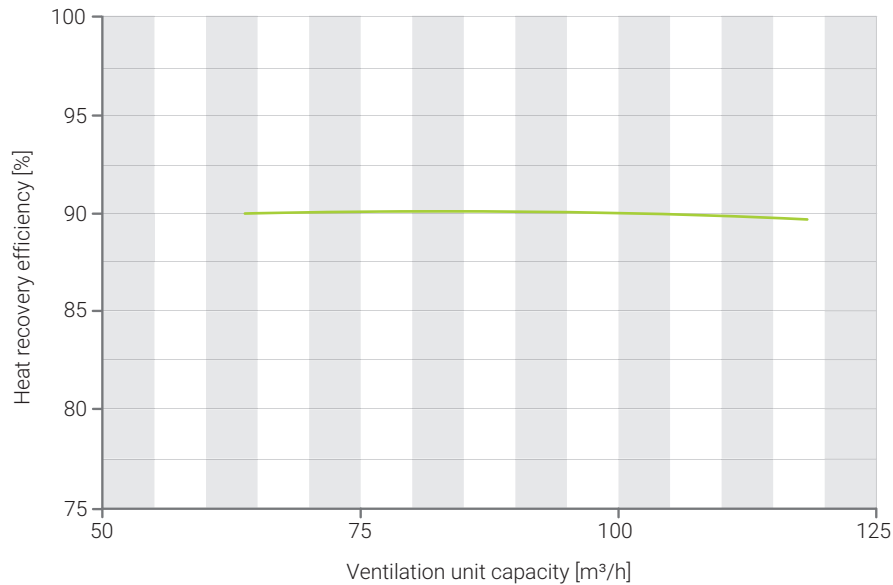
For the standard execution side (A)



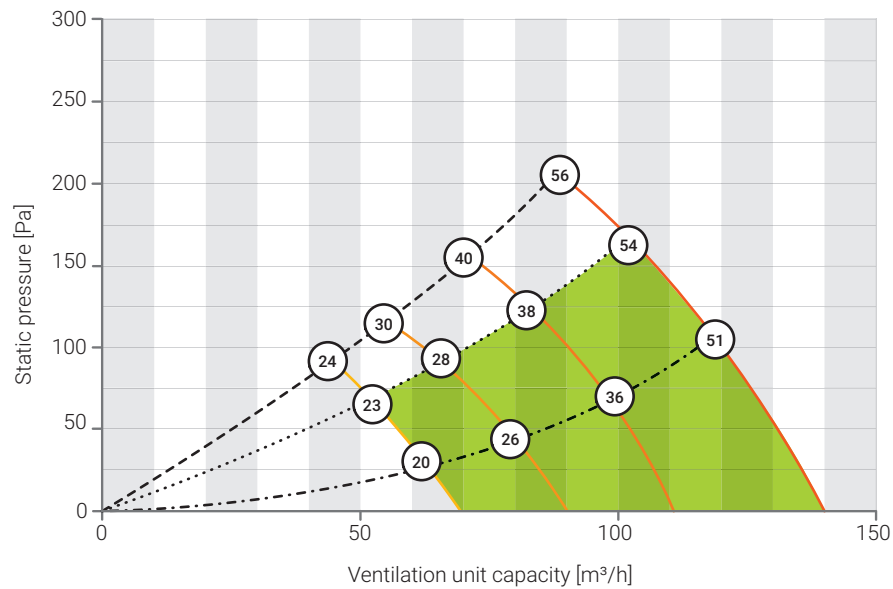
For alternative execution side (B)



Heat recovery efficiency

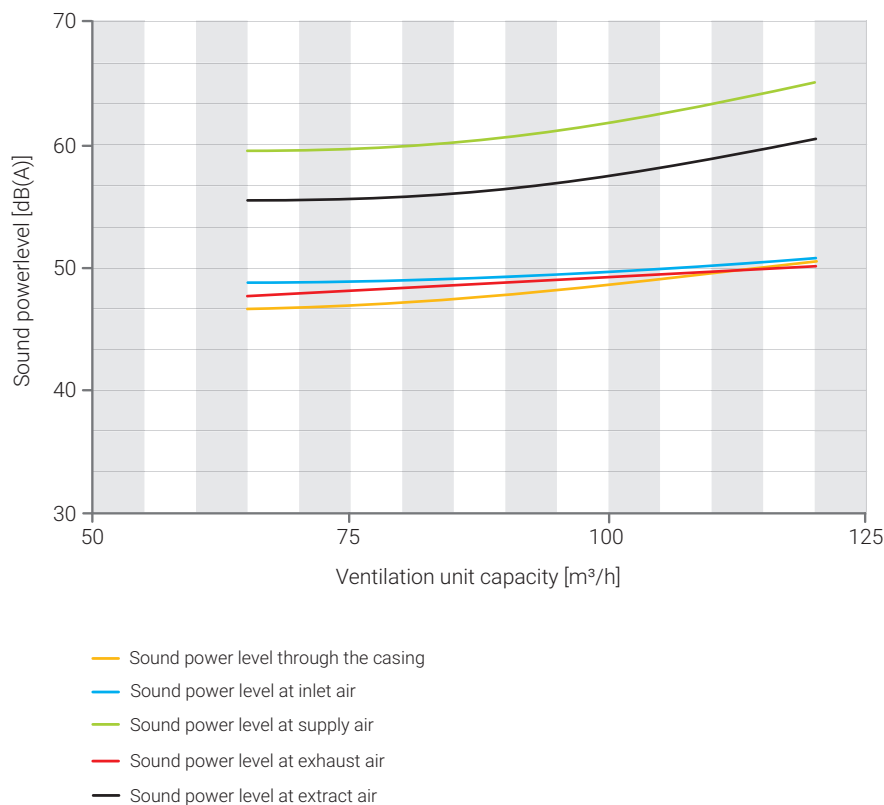


Flow characteristics



- Interaction curve for excessively soiled filters
- ... Interaction curve for dirty filters - to be replaced
- .- Interaction curve for clean filters
- Ventilation intensity - 40%
- Ventilation intensity - 60%
- Ventilation intensity - 80%
- Ventilation intensity - 100%
- Recommended operation area
- Ⓟ Power consumption [W]

Acoustic characteristics



Accessories

	Product code	Trade name	IC120 S1
1.	RWA0102.00.0003.AW0	iSWITCH Ti WHITE control panel	•
2.	RWA0102.00.0003.AB0	iSWITCH Ti BLACK control panel	•
3.	RWA0102.00.0001.AW0	iSENSE 5i WHITE control panel	•
4.	RWA0102.00.0001.AB0	iSENSE 5i BLACK control panel	•
5.	RWA0501.00.0002.A00	iPIN IC/IS installation kit	•
6.	RWA0501.00.0001.A00	iFOOT installation kit	•
7.	RWA0103.00.0001.AS0	MULTI PROBE W2.2 wall mounted air quality sensor	• ¹
8.	RWA0103.IC.0001.AK0	MULTI PROBE D2.2 ICA duct mounted air quality sensor	• ³
9.	RWA0103.IC.0002.AK0	MULTI PROBE D2.2 ICB duct mounted air quality sensor	• ⁴
10.	RWA0103.IC.0003.AK0	RHT PROBE D2.2 ICA duct mounted humidity and temperature sensor	• ³
11.	RWA0103.IC.0004.AK0	RHT PROBE D2.2 ICB duct mounted humidity and temperature sensor	• ⁴
12.	RWA0103.00.0003.AK0	T PROBE D2.2 duct mounted temperature sensor	•
13.	RWA0201.00.0001.A00	iHEAT Cube E 125 1.2 electric duct heater	• ^{1,2}
14.	RWA0202.00.0001.A00	iMULTI Cube F 200 III DX duct heater-cooler	• ^{1,2}
15.	RWA0203.00.0001.A00	iMULTI Cube W 200 III water duct heater-cooler	• ^{1,2}
16.	RWA0204.00.0001.A00	Control valve VXP45.10-1.6 with actuator	• ¹
17.	I26Xo	IMOTO I26Xo condensing unit	• ¹
18.	I35Xo	IMOTO I35Xo condensing unit	
19.	RCU-AHUBOX-1C	RCU-AHUBOX-1C communication module	•
20.	RWA0601.00.0001.A00	iSTEAM duct humidifier	•
21.	RWA0101.00.0001.A00	iEDGE E 2.2 PCB module	•
22.	RWA0302.IC.0001.A00	airENTHALPY IC heat exchanger	•
23.	RWA0402.IC.0001.A00	iCARE ACTIVE IC carbon filter	•
24.	RWA0711.00.0005.A00	GWC iGROUND CUBE 200 damper	• ^{1,2}

¹ - iEDGE module E 2.2 required, ² - T PROBE D2.2 duct mounted temperature sensor required, ³ - for execution side A, ⁴ - for execution side B