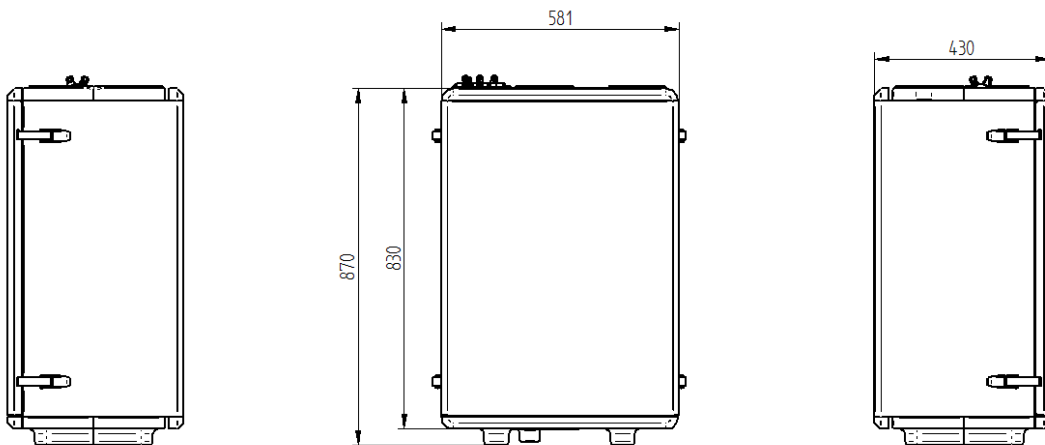
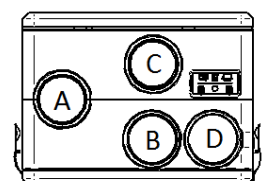
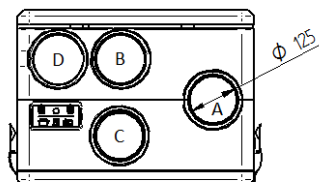




SPECIFICATION SHEET OF WANAS BLACK 300V XF



- A** - outdoor air
- B** - extract air
- C** - supply air
- D** - exhaust air



LEFT VERSION



ecodesign RVU DATA OF THE WANAS BLACK 300V XF

Name or trade mark of the supplier	Unit	Value
Maximum value of the flow rate	m ³ /h	332
Compression at 300 [m ³ /h]	Pa	150
Energy consumption	W	25-208
Preheater power	W	500
Supply	V/Hz	230/50
Diameter of stub pipes	mm	125
Height / width / depth	mm	870/581/430
Weight	kg	29,5
Filter class	-	ISO COARSE 75% + ePM 10 50%
Ventilated surface of the building up to:	m ²	150
Layout of stub pipes	-	Vertical
SEC under average climate conditions	kWh/(m ² /year)	-34,17
SEC under cool climate conditions	kWh/(m ² /year)	-70,87
SEC under warm climate conditions	kWh/(m ² /year)	-10,52
SEC class	-	A
Declared type	-	Bi-directional
Type of drive installed	-	Variable speed drive
Type of heat recovery system	-	Recuperative
Performance acc. to EU 1254/2014, dT=13°C, SWM	%	81,5
Electric power input of the fan drive	W	200
Sound power level L _{WA}	dB(A)	55
Reference flow rate	m ³ /s	0,064
Reference pressure difference	Pa	50
Specific power input	W/(m ³ /h)	0,41
Controls type factor and controls type	-	0.85; Central demand control
Maximum internal leak rate	%	1,3
Maximum external leak rate	%	2,7
Position and description of visual filter warning	-	Visual on the display
Warning about the necessity of replacing the filter in the manual	-	YES
Address of the website with the assembly instructions	-	www.wanas.pl
Annual electricity consumption	kWh/rok/m ²	4,2
Annual heating saved (average climate)	kWh/m ²	44
Annual heating saved (cold climate)	kWh/m ²	86,07
Annual heating saved (warm climate)	kWh/m ²	19,89

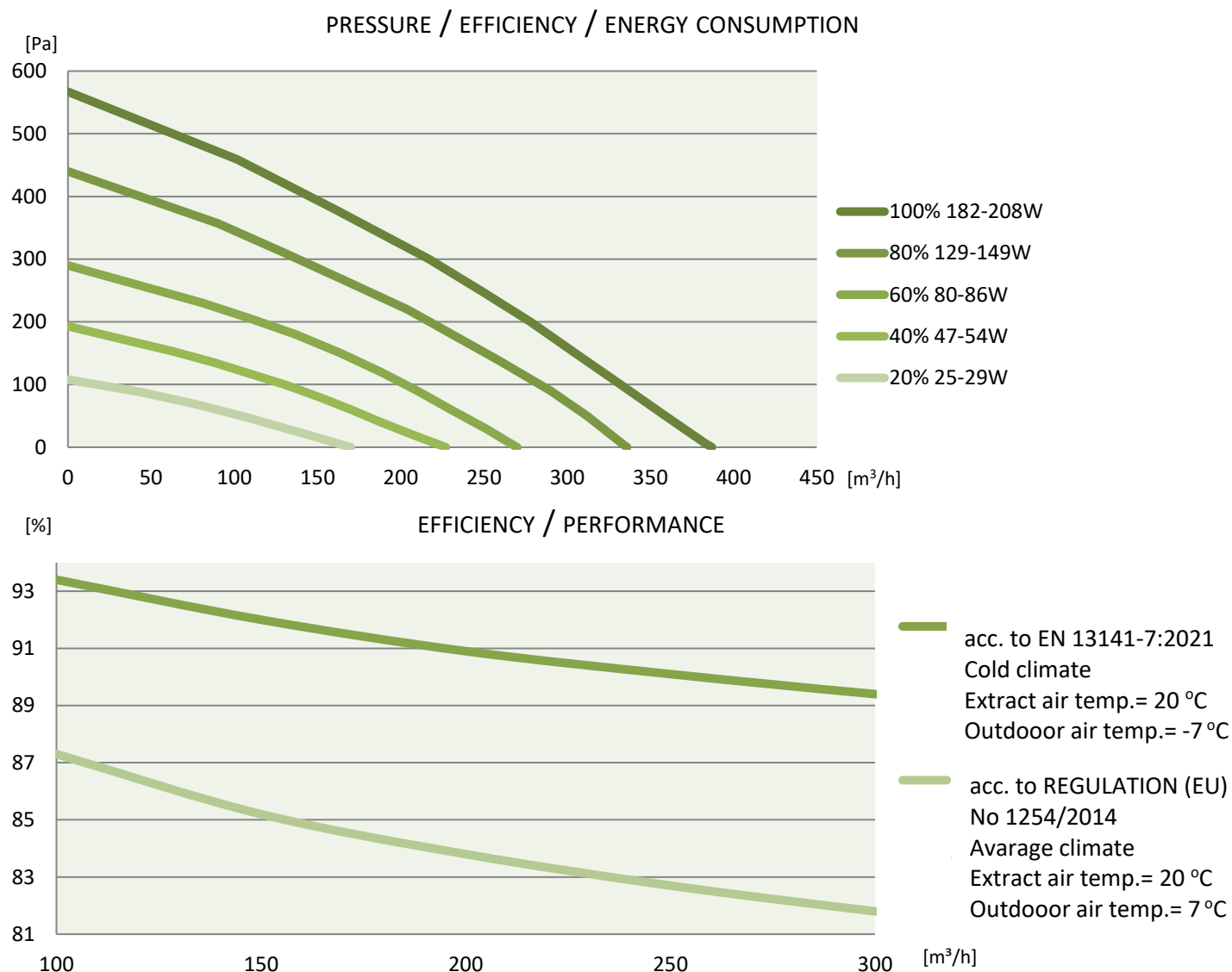
Data in the table in accordance with EU Directive 1253/2014 and EU 1254/2014 for Residential Ventilation Systems

RECUPERATOR DESCRIPTION WANAS BLACK 300V XF

WANAS BLACK 300V XF recuperator has a universal, double-sided structure. The body of the recuperator is made of foamed polypropylene, thanks to which the unit has even better thermal insulation, is super light and extremely quiet. The recuperator is designed for buildings with an area of up to 150 m².

PRODUCT ADVANTAGES:

- Extremely quiet operation of the recuperator - only 55 dBA measured at a distance of 1 m from the unit
- Solid, light and non-flammable construction - body made of foamed polypropylene
- Universal design - right / left version
- Automatic balancing of plant flows - XF SYSTEM
- Latest generation energy-saving EC fans
- The MODBUS RTU communication protocol allows to connect the recuperator with the smart home system
- 3 algorithms to protect the exchanger against freezing
- Automatic pre-heater SMART HEATER - included in the price of the device
- Automatic 100% Bypass - included in the price of the device
- Can be connected to the WANAS UMECTO air humidifier
- The controller also has the option of wireless connection to miniControl humidity sensors
- Possibility of using an enthalpy exchanger
- Can be expanded with control via the Internet





LIST OF RECUPERATOR FUNCTIONS WANAS BLACK 300V XF

FUNCTION	DESCRIPTION	INCLUDED IN THE PRICE OF THE EQUIPMENT
CONTROLLER	Touch control DISPLAY V2: surface mounting	YES
BYPASS	Automatic bypass with the protection from an accidental start-up	YES
HEATER	Automatic SMART PREHEATER 500 W	YES
WEEKLY PROGRAM	Programming of the AHU for the entire week	YES
XF SYSTEM	The system enables automatic balancing of the installation by continuous measurement of the current supply and exhaust air flow	YES
PARTY	The function allows the operation of the AHU with the maximum capacity for the period specified by the user	YES
FIREPLACE	The equipment works to generate overpressure in the building so that no smoke leaks while putting the fuel into the fireplace	YES
HOLIDAY	The AHU may work with reduced performance when you are on holiday	YES
REPLACEMENT OF THE FILTERS	The AHU reminds the user that the filters need to be replaced	YES
MODBUS RTU	The MODBUS RTU communication protocol allows to connect the recuperator with the smart home system	YES
PERFORMANCE	Fluid adjustment of the performance on every gear	YES
COOLER	The equipment may be connected with a secondary cooler or lower source from the heat pump	YES
HEATER	Possible connection and controls of the secondary cooler	YES
TEMPERATURE/ HUMIDITY SENSOR	The recuperator works with external sensors, increasing or decreasing its capacity depending on needs	OPTION
ALARM	The recuperator may be connected to an alarm unit so that the unit works with minimum efficiency after leaving home	YES
FROST PROTECTION SYSTEM	As the only unit on the market, our AHU has 3 protective measures of the exchanger against freezing to be selected by the user/installer	YES
INTERNET	The recuperator has functions which enable remote control via the Internet with mobile devices WANAS MOBILE CONTROL W-15 lub WANAS MOBILE CONTROL W-19 Wi-Fi	OPTION
ASSEMBLY KIT	The handle for mounting the recuperator on the wall, pegs for the assembly of the handle, RJ12 connector, trap.	YES

UWAGA: Rozwiązania, które, posiadają rekuperatory WANAS mogą być chronione prawem patentowym RP. W związku z ciągłym doskonaleniem naszych produktów zastrzegamy prawo do zmiany powyższych parametrów technicznych bez wcześniejszego uprzedzenia.