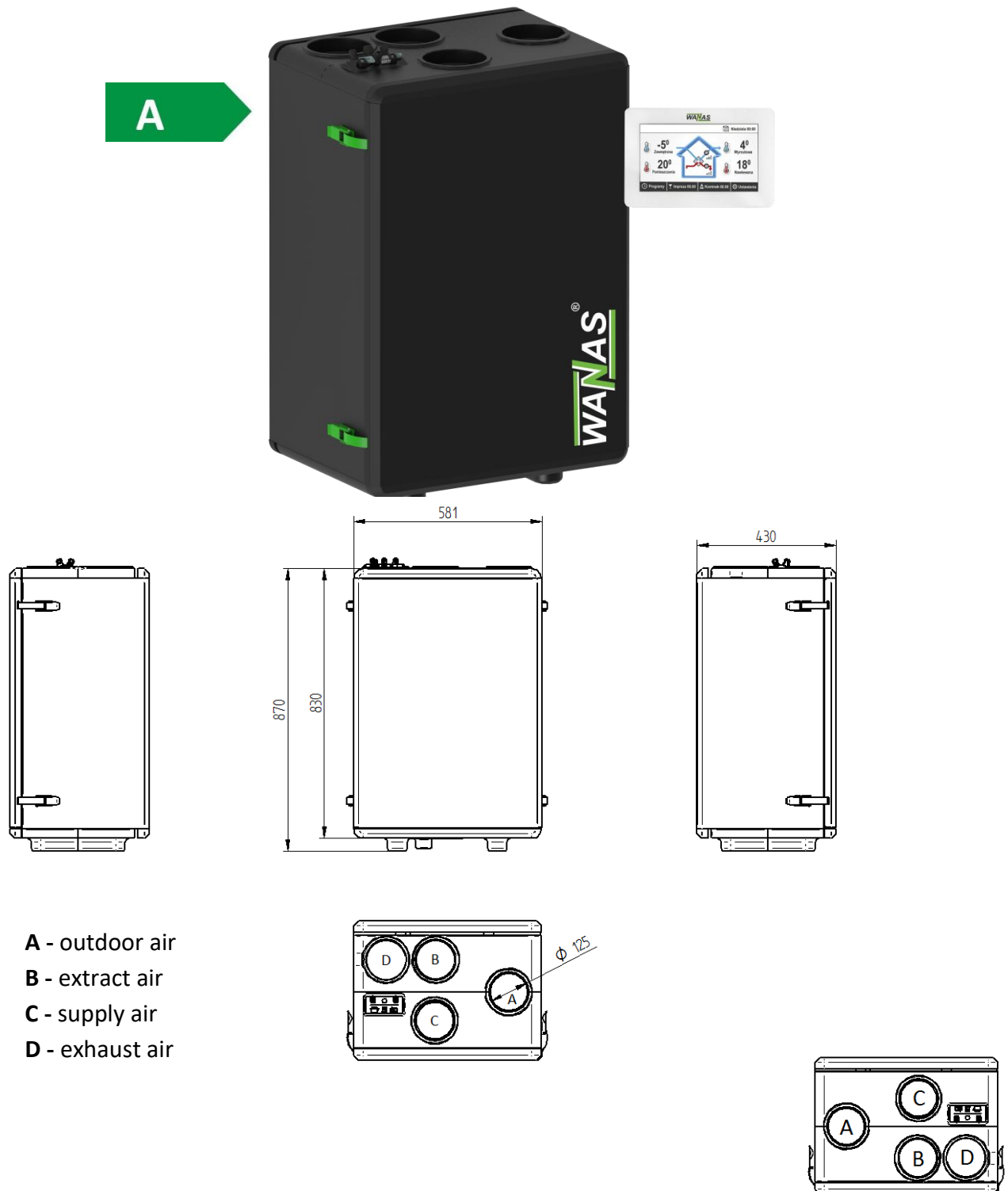




SPECIFICATION SHEET OF WANAS BLACK 200V XF



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

LEFT VERSION



ecodesign RVU DATA OF THE WANAS BLACK 200V XF

Name or trade mark of the supplier	Unit	Value
Maximum value of the flow rate	m ³ /h	200
Compression at 200 [m ³ /h]	Pa	100
Energy consumption	W	16-84
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	115
Layout of stub pipes	-	Vertical
SEC under moderate climate conditions	kWh/(m ² /rok)	-37,41
SEC under cool climate conditions	kWh/(m ² /rok)	-74,89
SEC under warm climate conditions	kWh/(m ² /rok)	-13,31
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	%	84,5
Fan drive power consumption	[W]	76
Sound power level L _{WA}	[dB(A)]	46
Flow reference value	m ³ /s	0,039
Pressure difference reference value	Pa	50
Unit power consumption	[W(m ³ /h)]	0,31
Controls type factor and controls type	-	0.85; Central demand control
Maximum degree of internal air leaks	%	1,3
Maximum degree of external air leaks	%	2,7
Warning about the necessity of replacing the device filter	-	TAK
Warning about the necessity of replacing the filter in the manual	-	TAK
Address of the website with the assembly instructions	-	www.wanas.pl
Yearly power consumption	kWh/year/m ²	3,23
Yearly savings on heating in the temperate climate	kWh/m ²	44,81
Yearly savings on heating in the cool climate	kWh/m ²	87,66
Yearly savings on heating in the warm climate	kWh/m ²	20,26

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

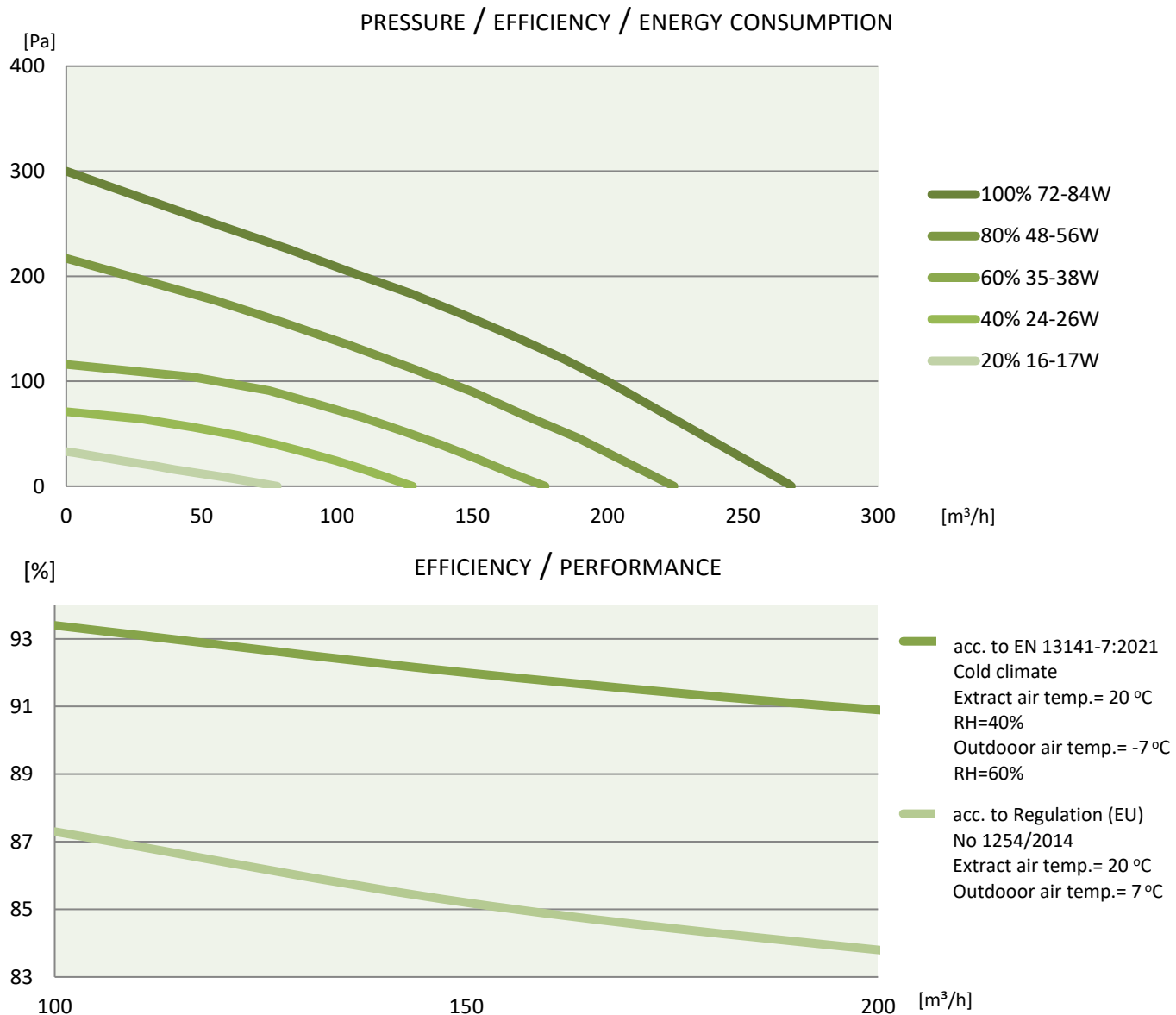
RECUPERATOR DESCRIPTION WANAS BLACK 200V XF

WANAS BLACK 200V 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 115 m².

PRODUCT ADVANTAGES:

- High thermal efficiency
- Very low energy consumption
- Built-in XF system - automatic flow balancing
- 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
- Touch, easy-to-use controller - included in the price of the device
- Latest generation energy-saving EC fans
- Possibility to control the air handling unit via the Internet - optional
- Possibility of using an enthalpy exchanger





LIST OF RECUPERATOR FUNCTIONS WANAS BLACK 200V 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
PERFORMANCE	Fluid adjustment of the performance on every gear	YES
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, flush-mounted box, trap.	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
MODBUS RTU	The MODBUS RTU communication protocol allows to connect the recuperator with the smart home system	YES

NOTE: The solutions which WANAS air handling unit have are protected by the Polish Republic patent law. Due to the continuous improvement of our products, we reserve the right to change the technical parameters mentioned above without prior notification.