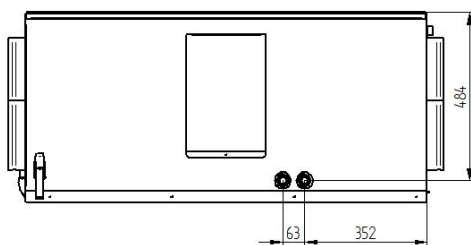
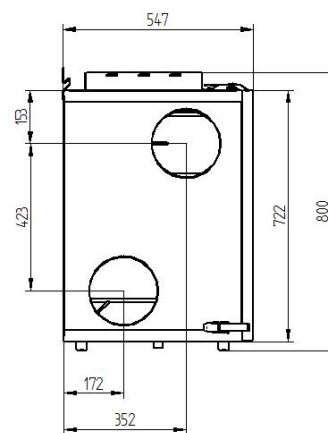
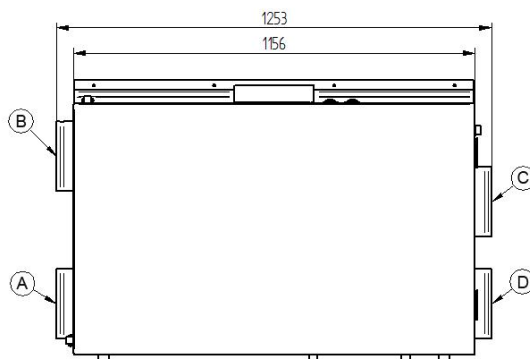
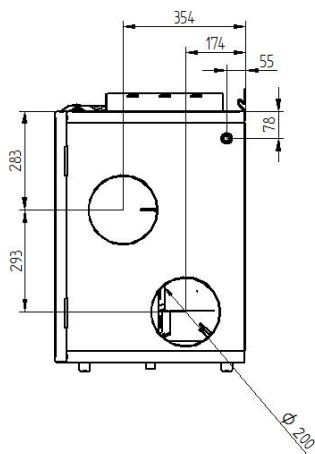


SPECIFICATION SHEET OF WANAS COMBO 630 XF

A



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



LEFT VERSION

ecodesign RVU DATA OF THE WANAS COMBO 630 XF

Name or trade mark of the supplier	Unit	Value
Maximum value of the flow rate	m ³ /h	630
Compression at 630 [m ³ /h]	Pa	100
Energy consumption	W	29-275
Preheater power	W	1000
Supply	V/Hz	230/50
Diameter of stub pipes	mm	200
Height / width / depth	mm	800/1253/547
Weight	kg	88
Filter class	-	ISO COARSE 75% / ePM 10 50%
Ventilated surface of the building up to:	m ²	360
Layout of stub pipes	-	Horizontal
SEC under average climate conditions	kWh/(m ² /year)	-38,45
SEC under cool climate conditions	kWh/(m ² / year)	-75,39
SEC under warm climate conditions	kWh/(m ² / year)	-14,67
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	%	82,4
Electric power input of the fan drive	W	267
Sound power level L _{WA}	dB(A)	52
Reference flow rate	m ³ /s	0,123
Reference pressure difference	Pa	50
Specific power input	W(m ³ /h)	0,236
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	-	Display
Filter warning description in the manual	-	YES
Address of the website with the assembly instructions	-	www.wanas.pl
Annual electricity consumption	kWh/year/m ²	2,58
Annual heating saved (average climate)	KWh/m ²	44,24
Annual heating saved (cold climate)	kWh/m ²	86,54
Annual heating saved (warm climate)	kWh/m ²	20,00
Electric power input of the humidifier	W	18
Humidifier heater power	W	1000
Average water consumption**	l/h	2,8
Water pressure range	MPa	0,15-0,6
Water temperature range	°C	5-20 (Min/max)
Temperature range	°C	5-45 (Min/max)
Max. water hardness	mg CaCO ₃	200

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

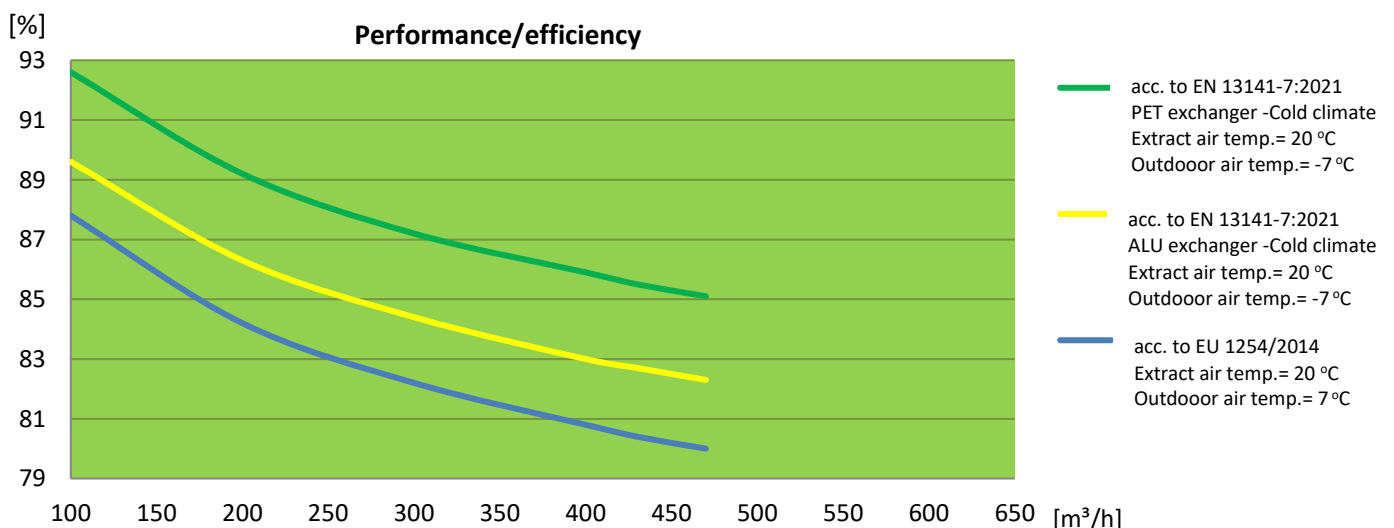
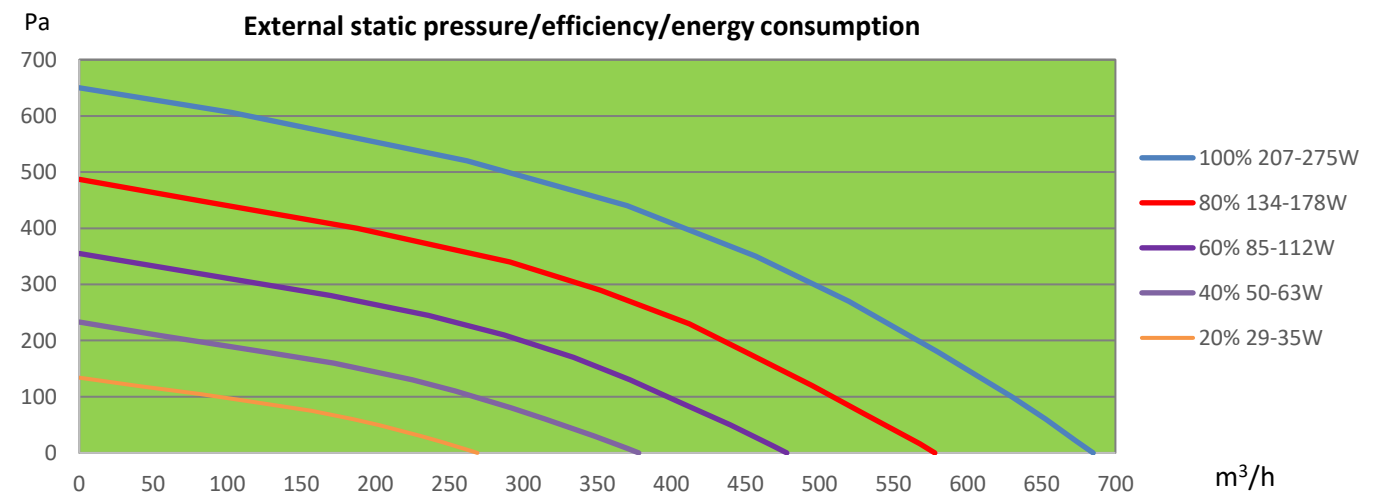
** Water pressure 0,3 MPa and factory settings.

RECUPERATOR DESCRIPTION WANAS COMBO 630 XF:

The WANAS COMBO 630 XF is designed for buildings with an area of up to 360m².

PRODUCT ADVANTAGES:

- Wireless **miniControl sensor** – measure the humidity and temperature in a room
- **Built-in evaporative humidifier** - ensure an appropriate level of humidity in the rooms
- Polystyrene counterflow heat exchanger with higher heat recovery
- **Built-in XF system** - automatic flow balancing system
- Communication protocol **MODBUS RTU**
- Very low energy consumption 29-275 W
- Flexible speed adjustment of AHU unit - **1-100 %**
- **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
- Robust non-flammable structure – no Styrofoam elements
- Latest generation energy-saving EC fans
- Possibility to control the air handling unit via the Internet



LIST OF THE OPTIONS OF THE WANAS 630 COMBO XF AIR HANDLING UNIT		
FUNCTION	DESCRIPTION	INCLUDED IN THE PRICE OF THE UNIT
CONTROLLER	Touch controller: Surface- or flush-mounted	YES
BYPASS	Automatic bypass with the protection from an accidental start-up	YES
PRE-HEATER	Automatic SMART PREHEATER 1000 W	YES
HUMIDIFIER HEATER	Automatic SMART PREHEATER 1000 W	YES
WEEKLY PROGRAM	Programming of the AHU for the entire week	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
GROUND-COUPLED HEAT EXCHANGER	The equipment may work with the ground-coupled heat exchanger	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
CO ₂ / HUMIDITY / BATHROOM SWITCH	The recuperator works with external sensors, increasing or decreasing its capacity depending on needs	YES
ALARM	The recuperator may be connected to an alarm unit so that the unit works with minimum efficiency after leaving home	YES
GAS BOILER	The unit controller may be a gas boiler operating as a thermostat	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 or computer after buying the additional module WANAS MOBILE CONTROL W-15 or module WANAS MOBILE CONTROL W-19 Wi-Fi	NO
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
WATER HEATER-COOLER	Heater-cooler „Ready”	OPTION
HUMIDIFIER	Built-in	YES
HUMIDIFIER SENSOR	miniControl wireless humidity sensor	YES

Warning: The unique solutions used in COMBO recuperators are protected by a Polish patent. Due to the continuous improvement of our products, we reserve the right to change the above technical parameters without prior notice.