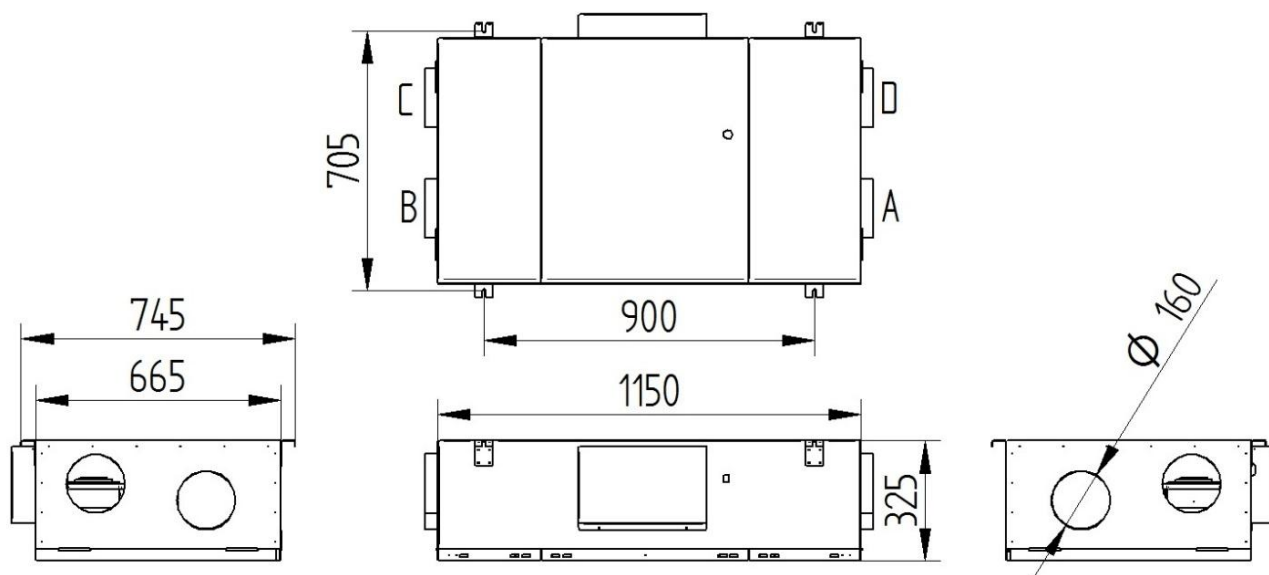
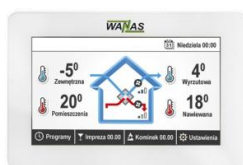




SPECIFICATION SHEET OF THE WANAS 345 AIR HANDLING UNIT



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



ecodesign RVU DATA OF THE WANAS 345 AHU

Name or trade mark of the supplier	Unit	Value
Maximum value of the flow rate	m ³ /h	380
Compression at 250 [m ³ /h]	Pa	150
Energy consumption	W	16-170
Preheater power	W	500
Supply	V/Hz	230/50
Diameter of stub pipes	mm	160
Height / width / depth	mm	325/1150/665
Weight	kg	56,4
Filter class	-	ISO COARSE 75%
Ventilated surface of the building up to:	m ²	180
Layout of stub pipes	-	Horizontal
SEC under moderate climate conditions	kWh/(m ² /year)	-38,28
SEC under cool climate conditions	kWh/(m ² /year)	-75,13
SEC under warm climate conditions	kWh/(m ² /year)	-14,54
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	%	82,1
Fan drive power consumption	W	162
Sound power level L _{WA}	dB(A)	37-49
Flow reference value	m ³ /s	0,073
Pressure difference reference value	Pa	50
Unit power consumption	W(m ³ /h)	0,24
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	-	YES
Warning about the necessity of replacing the filter in the manual	-	YES
Address of the website with the assembly instructions	-	www.wanas.pl
Yearly power consumption	kWh/year/m ²	2,62
Yearly savings on heating in the temperate climate	kWh/m ²	44,16
Yearly savings on heating in the cool climate	kWh/m ²	86,38
Yearly savings on heating in the warm climate	kWh/m ²	19,97

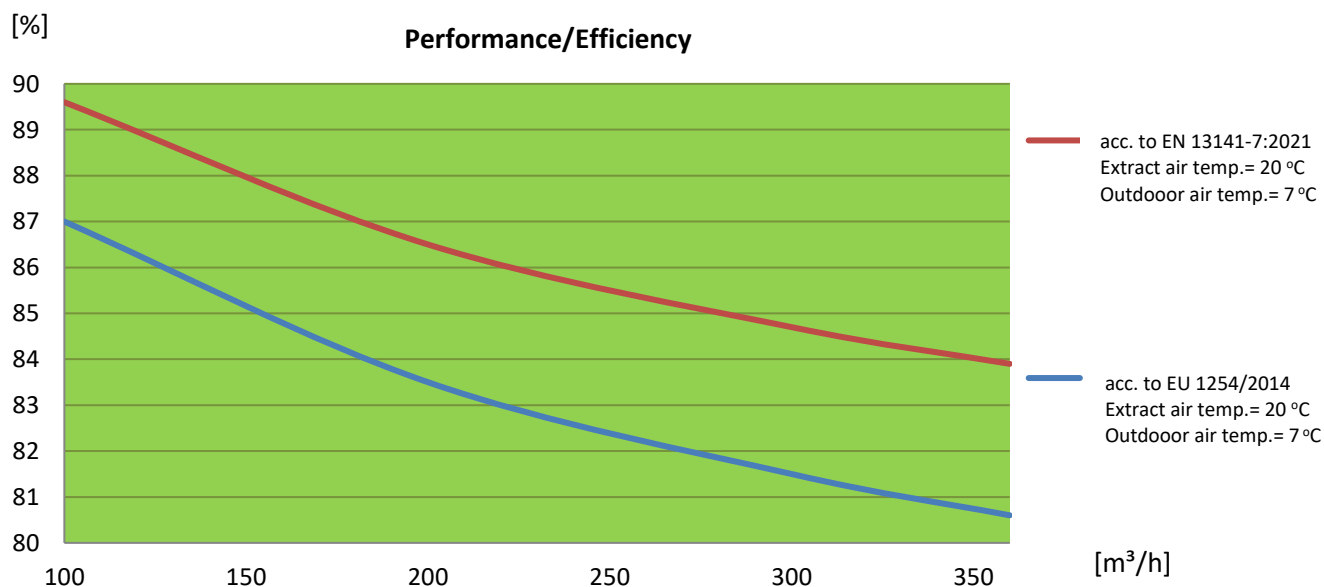
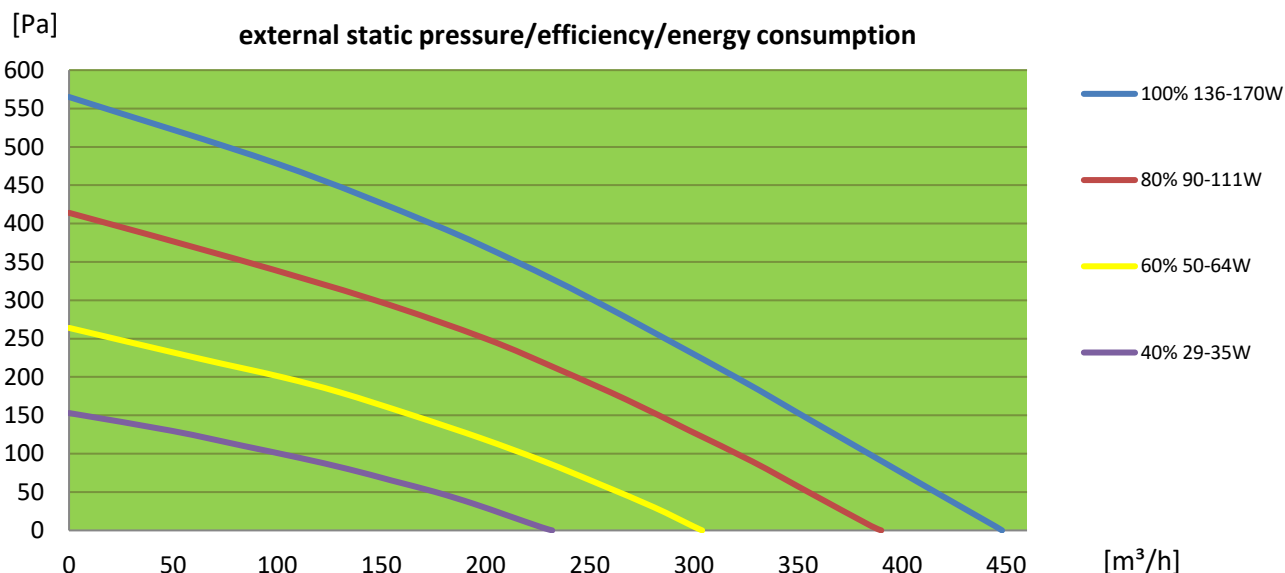
Data in the table in accordance with EU Directive 1253/2014 and EU 1254/2014 for Residential Ventilation Systems

DESCRIPTION OF THE WANAS 345 AIR HANDLING UNIT:

WANAS 345 is intended for buildings with the surface of up to 180 m².

ADVANTAGES OF THE PRODUCT:

- Aluminium plate heat exchanger
- Very low power consumption
- **High thermal capacity**
- 3 algorithms protecting the exchanger from freezing
- Preheater – included in the price of the equipment
- **100 %** automatic Bypass – included in the price of the device
- Easy-to-use touch controller – included in the price of the device
- Robust **non-flammable structure** – no Styrofoam elements
- Stainless steel drip tray
- Next-gen energy-saving EC fans
- Remote controls of the AHU via the Internet – option



LIST OF THE OPTIONS OF THE WANAS 345 AIR HANDLING UNIT		
FUNCTION	DESCRIPTION	INCLUDED IN THE PRICE OF THE EQUIPMENT
CONTROLLER	Touch controller: Surface- or flush-mounted	YES
BYPASS	Automatic bypass with the protection from an accidental start-up	YES
HEATER	Preheater 500 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	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

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.