

# AIR HANDLING UNITS **CLASSIC**



**WANAS**<sup>®</sup>

SMART SOLUTIONS



|  |                                |        |
|--|--------------------------------|--------|
| UEC (unit energy consumption) class  | -                              | A      |
| UEC for moderate climate   | kWh/(m <sup>2</sup> /rok)      | -37,3  |
| UEC for cool climate   | kWh/(m <sup>2</sup> /rok)      | -74,21 |
| UEC for warm climate   | kWh/(m <sup>2</sup> /rok)      | -13,53 |
| Max. flow rate (at 100 Pa)   | m <sup>3</sup> /h              | 420    |
| Acoustic power (gear I/ acc. to UE 1254/2014)                                | dB(A)                          | 38/48  |
| External static pressure (at 350 m <sup>3</sup> /h)                          | Pa                             | 234    |
| Energy consumption   | W                              | 16-178 |
| Pre-heater power   | W                              | 500    |
| Power supply   | V/Hz                           | 230/50 |
| Stub pipe diameter   | mm                             | 160    |
| Max. efficiency acc. to UE 1254/2014, ΔT=13°C, at 100 m <sup>3</sup> /h, SWM | %                              | 89,3   |
| Efficiency acc. to UE 1254/2014, dT=13°C, SWM                                | %                              | 82,3   |
| Height   | mm                             | 634    |
| Width  | mm                             | 840    |
| Depth  | mm                             | 550    |
| Weight   | kg                             | 65     |
| Filter class   | ISO COARSE 75%<br>+ ePM 10 50% |        |



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| Height   | mm                             | 634    |
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| Weight   | kg                             | 65     |
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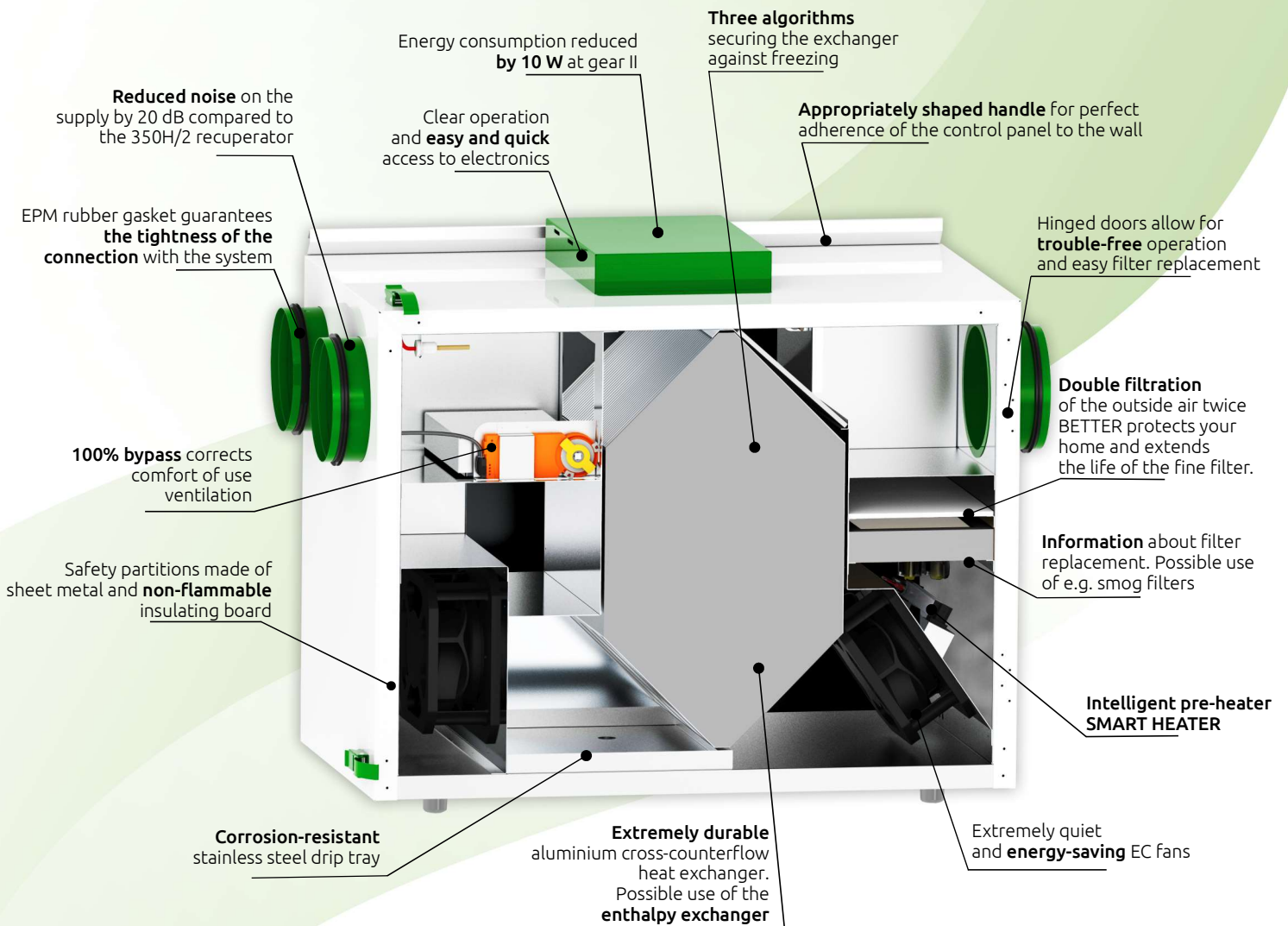


|  |                                |        |
|--|--------------------------------|--------|
| UEC (unit energy consumption) class  | -                              | A      |
| UEC for moderate climate   | kWh/(m <sup>2</sup> /rok)      | -36,67 |
| UEC for cool climate   | kWh/(m <sup>2</sup> /rok)      | -73,37 |
| UEC for warm climate   | kWh/(m <sup>2</sup> /rok)      | -13,02 |
| Max. flow rate (at 100 Pa)   | m <sup>3</sup> /h              | 595    |
| Acoustic power (gear I/ acc. to UE 1254/2014)                                | dB(A)                          | 40/58  |
| External static pressure (at 550 m <sup>3</sup> /h)                          | Pa                             | 166    |
| Energy consumption   | W                              | 26-265 |
| Pre-heater power   | W                              | 500    |
| Power supply   | V/Hz                           | 230/50 |
| Stub pipe diameter   | mm                             | 200    |
| Max. efficiency acc. to UE 1254/2014, ΔT=13°C, at 100 m <sup>3</sup> /h, SWM | %                              | 90,7   |
| Efficiency acc. to UE 1254/2014, dT=13°C, SWM                                | %                              | 81,5   |
| Height   | mm                             | 634    |
| Width  | mm                             | 840    |
| Depth  | mm                             | 657    |
| Weight   | kg                             | 71,3   |
| Filter class   | ISO COARSE 75%<br>+ ePM 10 50% |        |



|  |                                |        |
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| UEC for warm climate   | kWh/(m <sup>2</sup> /rok)      | -13,02 |
| Max. flow rate (at 100 Pa)   | m <sup>3</sup> /h              | 595    |
| Acoustic power (gear I/ acc. to UE 1254/2014)                                | dB(A)                          | 40/58  |
| External static pressure (at 550 m <sup>3</sup> /h)                          | Pa                             | 166    |
| Energy consumption   | W                              | 26-265 |
| Pre-heater power   | W                              | 500    |
| Power supply   | V/Hz                           | 230/50 |
| Stub pipe diameter   | mm                             | 200    |
| Max. efficiency acc. to UE 1254/2014, ΔT=13°C, at 100 m <sup>3</sup> /h, SWM | %                              | 90,7   |
| Efficiency acc. to UE 1254/2014, dT=13°C, SWM                                | %                              | 81,5   |
| Height   | mm                             | 634    |
| Width  | mm                             | 840    |
| Depth  | mm                             | 657    |
| Weight   | kg                             | 71,3   |
| Filter class   | ISO COARSE 75%<br>+ ePM 10 50% |        |

# SMART SERIES SOLUTIONS CLASSIC





|  |                           |                |
|--|---------------------------|----------------|
| UEC (unit energy consumption) class  | -                         | A              |
| UEC for moderate climate   | kWh/(m <sup>2</sup> /rok) | -38,28         |
| UEC for cool climate   | kWh/(m <sup>2</sup> /rok) | -75,13         |
| UEC for warm climate   | kWh/(m <sup>2</sup> /rok) | -14,54         |
| Max. flow rate (at 100 Pa)   | m <sup>3</sup> /h         | 380            |
| Acoustic power (gear I/ acc. to UE 1254/2014)                                | dB(A)                     | 37/49          |
| External static pressure (at nominal value)                                  | Pa                        | 150            |
| Energy consumption   | W                         | 16-170         |
| Pre-heater power   | W                         | 500            |
| Power supply   | V/Hz                      | 230/50         |
| Stub pipe diameter   | mm                        | 160            |
| Max. efficiency acc. to UE 1254/2014, ΔT=13°C, at 120 m <sup>3</sup> /h, SWM | %                         | 86,1           |
| Efficiency acc. to UE 1254/2014, dT=13°C, SWM                                | %                         | 82,1           |
| Height   | mm                        | 325            |
| Width  | mm                        | 1150           |
| Depth  | mm                        | 665            |
| Weight   | kg                        | 56,4           |
| Filter class   |                           | ISO COARSE 75% |



|  |                           |                |
|--|---------------------------|----------------|
| UEC (unit energy consumption) class  | -                         | A              |
| UEC for moderate climate   | kWh/(m <sup>2</sup> /rok) | -38,22         |
| UEC for cool climate   | kWh/(m <sup>2</sup> /rok) | -75,03         |
| UEC for warm climate   | kWh/(m <sup>2</sup> /rok) | -14,51         |
| Max. flow rate (at 100 Pa)   | m <sup>3</sup> /h         | 900            |
| Acoustic power (gear I/ acc. to UE 1254/2014)                                | dB(A)                     | 40/61          |
| External static pressure (at nominal value)                                  | Pa                        | 200            |
| Energy consumption   | W                         | 24-335         |
| Pre-heater power   | W                         | 2 000          |
| Power supply   | V/Hz                      | 230/50         |
| Stub pipe diameter   | mm                        | 250            |
| Max. efficiency acc. to UE 1254/2014, ΔT=13°C, at 120 m <sup>3</sup> /h, SWM | %                         | 90,5           |
| Efficiency acc. to UE 1254/2014, dT=13°C, SWM                                | %                         | 81,9           |
| Height   | mm                        | 407            |
| Width  | mm                        | 1670           |
| Depth  | mm                        | 1120           |
| Weight   | kg                        | 130            |
| Filter class   |                           | ISO COARSE 75% |

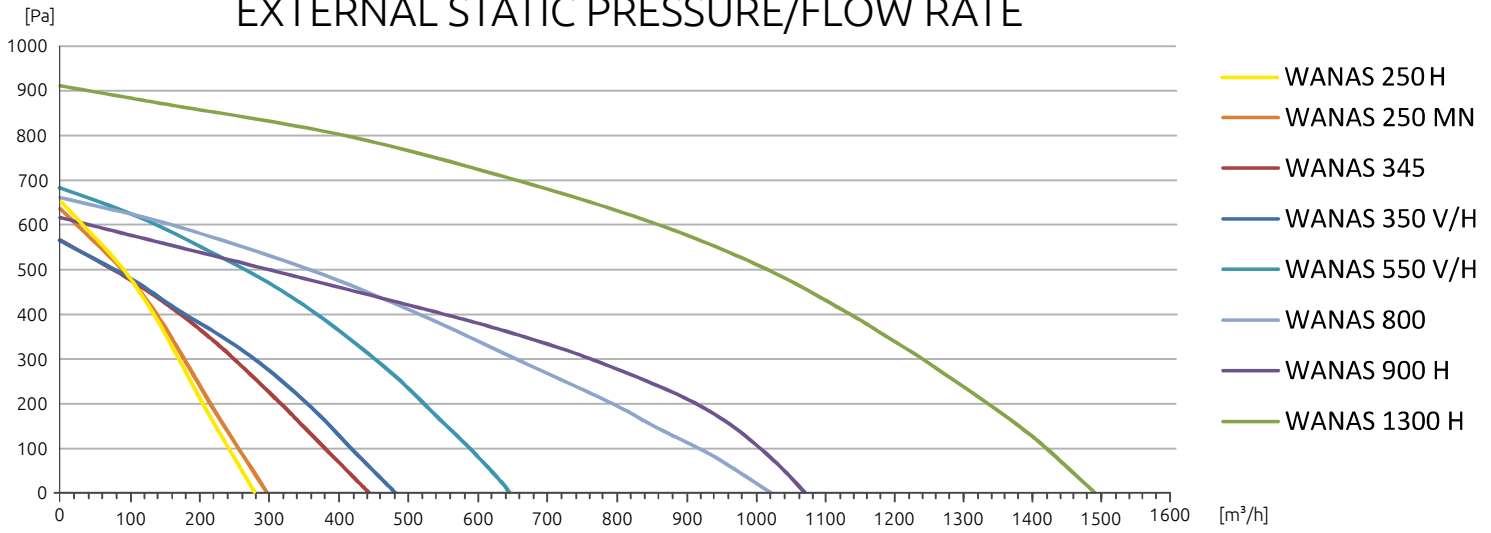


|  |                           |                |
|--|---------------------------|----------------|
| UEC (unit energy consumption) class  | -                         | A              |
| UEC for moderate climate   | kWh/(m <sup>2</sup> /rok) | -39,47         |
| UEC for cool climate   | kWh/(m <sup>2</sup> /rok) | -77,46         |
| UEC for warm climate   | kWh/(m <sup>2</sup> /rok) | -15,08         |
| Max. flow rate (at 100 Pa)   | m <sup>3</sup> /h         | 1 000          |
| Acoustic power (gear I/ acc. to UE 1254/2014)                                | dB(A)                     | 38/56          |
| External static pressure (at nominal value)                                  | Pa                        | 230            |
| Energy consumption   | W                         | 38-405         |
| Pre-heater power   | W                         | 3 000          |
| Power supply   | V/Hz                      | 230/50         |
| Stub pipe diameter   | mm                        | 250            |
| Max. efficiency acc. to UE 1254/2014, ΔT=13°C, at 140 m <sup>3</sup> /h, SWM | %                         | 95,3           |
| Efficiency acc. to UE 1254/2014, dT=13°C, SWM                                | %                         | 86,5           |
| Height   | mm                        | 1080           |
| Width  | mm                        | 1184           |
| Depth  | mm                        | 720            |
| Weight   | kg                        | 146            |
| Filter class   |                           | ISO COARSE 75% |

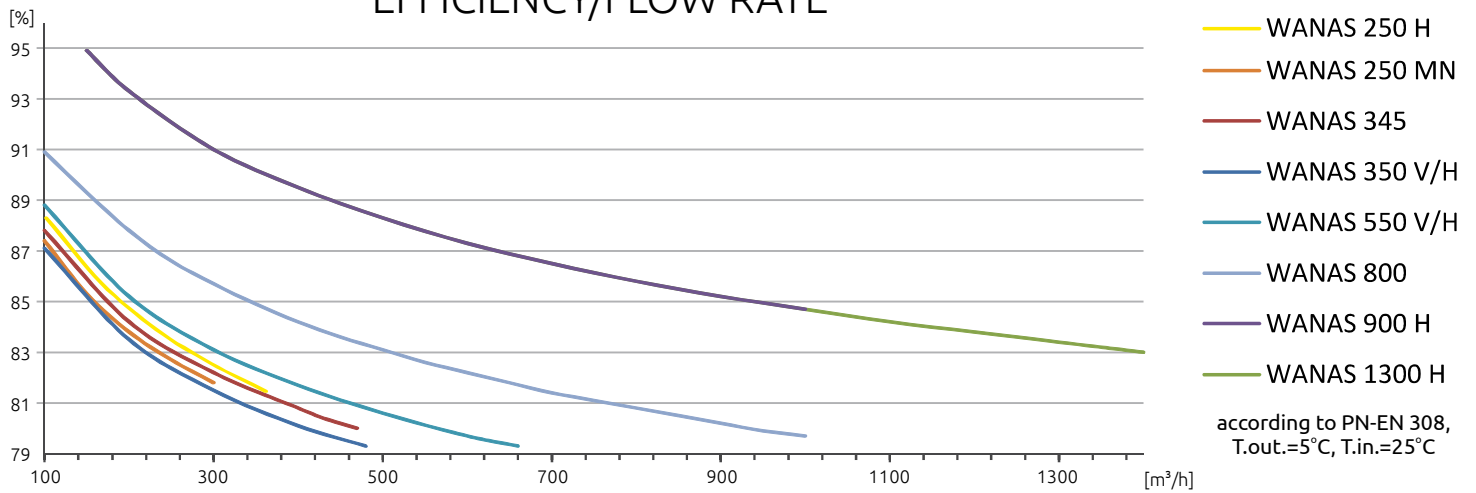


|  |                           |                |
|--|---------------------------|----------------|
| UEC (unit energy consumption) class  | -                         | A              |
| UEC for moderate climate   | kWh/(m <sup>2</sup> /rok) | -38,93         |
| UEC for cool climate   | kWh/(m <sup>2</sup> /rok) | -76,41         |
| UEC for warm climate   | kWh/(m <sup>2</sup> /rok) | -14,83         |
| Max. flow rate (at 100 Pa)   | m <sup>3</sup> /h         | 1 468          |
| Acoustic power (gear I/ acc. to UE 1254/2014)                                | dB(A)                     | 39/64          |
| External static pressure (at nominal value)                                  | Pa                        | 240            |
| Energy consumption   | W                         | 20-764         |
| Pre-heater power   | W                         | 3 000          |
| Power supply   | V/Hz                      | 230/50         |
| Stub pipe diameter   | mm                        | 315            |
| Max. efficiency acc. to UE 1254/2014, ΔT=13°C, at 140 m <sup>3</sup> /h, SWM | %                         | 95,3           |
| Efficiency acc. to UE 1254/2014, dT=13°C, SWM                                | %                         | 84,5           |
| Height   | mm                        | 1080           |
| Width  | mm                        | 1284           |
| Depth  | mm                        | 720            |
| Weight   | kg                        | 152            |
| Filter class   |                           | ISO COARSE 75% |

## EXTERNAL STATIC PRESSURE/FLOW RATE



## EFFICIENCY/FLOW RATE



### WATER HEATER/COOLER

|                        |                   | 426       | 444        |
|------------------------|-------------------|-----------|------------|
| Recommended flow up to | m <sup>3</sup> /h | 600       | 1300       |
| Efficiency up to       | kW                | 3,1       | 7,3        |
| Stub pipe diameter     | mm                | 200       | 315        |
| Height                 | mm                | 402       | 625        |
| Width                  | mm                | 683       | 484        |
| Depth                  | mm                | 550       | 659        |
| Weight                 | kg                | 35,85     | 45,5       |
| Filter class           | ISO COARSE 75%    |           |            |
| Stub pipe layout       |                   | universal | horizontal |



### HUMIDIFIER

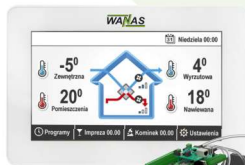
|   |                           | UMECTO 600 | UMECTO 1300 |
|---|---------------------------|------------|-------------|
| Max. flow rate                          | m <sup>3</sup> /h         | 600        | 1300        |
| Energy consumption                      | W                         | 15         | 15          |
| Power supply                            | V/Hz                      | 230/50     | 230/50      |
| Stub pipe diameter                      | mm                        | 200        | 315         |
| Water connector diameter                | cal                       | 3/4        | 3/4         |
| Heater power                            | W                         | 1 000      | 2 000       |
| Maximum water consumption*              | l/h                       | 10,1       | 10,1        |
| Air resistance at 200 m <sup>3</sup> /h | Pa                        | 7          | 11          |
| Water pressure                          | MPa                       | 0,15-0,6   | 0,15-0,6    |
| Water temperature                       | Min/max                   | 5-20       | 5-20        |
| Water hardness                          | max. mg CaCO <sub>3</sub> | 200        | 200         |
| Height                                  | mm                        | 494        | 824,4       |
| Width                                   | mm                        | 455        | 455         |
| Depth                                   | mm                        | 452,2      | 452,2       |
| Weight                                  | kg                        | 25         | 36          |

\*at a water pressure of 3 bar, at maximum valve settings

# AIR HANDLING UNITS CLASSIC XF

## ALSO WITH XF SYSTEM

### DISPLAY V2



Control the recuperator based on real and current air measurement. Get even more comfort! The essence of work and measurements are the measuring nozzles mounted on the fans, which send information on an ongoing basis to the flow sensor located on the motherboard. An element necessary for proper flow measurement are additional specialized air filters. The use of XF technology guarantees energy savings. The XF system allows you to maintain the highest recovery at any time of operation. Thanks to this, air flows are always balanced, regardless of the season, external temperature, number of inhabitants or wind pressure on the building.

### Models available:

**WANAS  
355 V\_XF**

**WANAS  
355 H\_XF**

**WANAS  
555 V\_XF**

**WANAS  
555 H\_XF**

**In standard:**

**SYSTEM XF**

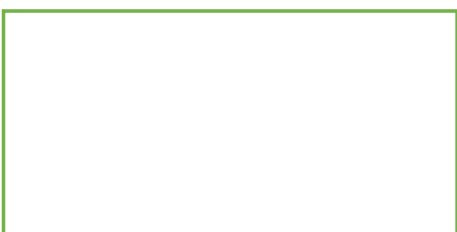
**MODBUS RTU**

**PREVIEW m<sup>3</sup>/h**

**DISPLAY V2**

[www.en.wanas.pl](http://www.en.wanas.pl)

\* The manufacturer reserves the right to change parameters/dimensions at any time.  
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