

Airstream HWX

DECLARATION OF PERFORMANCE

Product information in accordance with commission regulation
(EU) 1253/2014 annex V as referred to in article 4(2)

implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to
ecodesign requirements for ventilation units

No. 990-03

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| a) <u>Manufacturer</u> | MARK CLIMATE TECHNOLOGY
Beneden Verlaat 87-89, NL-9645 BM
Veendam The Netherlands
Internet: www.markclimate.com |
| b) <u>Model identifier</u> | Airstream HWX ... 1500, 3000,
4500, 6000,9500, 15000, 20000,
30000 |
| c) <u>Declared typology</u> | 'non-residential ventilation unit'
(NRVU)
'bidirectional ventilation unit'
(BVU) |
| d) <u>Type of drive</u> | variable speed drive included in
EC-fan |
| e) <u>Type of heat recovery system</u> | heat wheel |
| f) <u>Thermal efficiency of heat recovery</u> | Please refer to the RLT-unit
selection software
MARKAHU BV Select technical
printout. The dry thermal
efficiency is available in
MARKAHU BV Select |
| g) <u>Nominal NRVU flow rate</u> | Please refer to the RLT-unit
selection software
MARKAHU BV Select technical
printout. The Airstream units are
considered to be configured for
each specific case. The nominal
airflow rate is the airflow rate for
which the unit has been
dimensioned. The airflow rate is
provided in the summary of the
technical data. |

- h) Effective electric power input
- Please refer to the RLT-unit selection software MARKAHU BV Select technical printout. The input power is clearly listed in the technical details for the fan(s). The input power includes losses in the speed controller.
- i) Internal specific fan power
- Our selection program MARKAHU BV Select calculates the value of SFPint and issues a warning if the selected unit is not compliant. The actual value and the limiting values are shown on the technical printout.
- j) Face velocity
- Please refer to the RLT-unit selection software MARKAHU BV Select technical printout. The face velocity is clearly listed in the unit classification.
- k) Nominal external pressure
- Please refer to the RLT-unit selection software MARKAHU BV Select technical printout. The Airstream units are considered to be configured for each specific case. The nominal external pressure is the pressure for which the unit has been dimensioned. The nominal external pressure is provided in the unit details of the technical data.
- l) Internal pressure drop of ventilation
- The internal pressure drop of ventilation components components is used to calculate the SFPint that is listed in the unit details of the technical data.
- m) Internal pressure drop of non-ventilation
- The total pressure drop is provided under the components technical data for fans.

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| n) <u>Static efficiency of fans</u> | The efficiency calculation includes the total pressure drop of all internal components, the external static pressure rise, system effects and losses in motor and drive system in compliance with the regulation and is available in MARKAHU BV Select |
| o) <u>Maximum external leakage rate</u>
<u>Maximum internal leakage rate</u> | Airstream units are certified according the RLT-guideline by TÜV SUD with class LI. Declared maximum external and internal leakage rate are shown on the technical printout |
| p) <u>Energy performance of the filters</u> | Please refer to the RLT-unit selection software MARKAHU BV Select technical printout. The energy consumption is shown in accordance with the RLT-guideline. |
| q) <u>Warning of polluted filter</u> | Regular filter changes are important for an efficient energy performance of the unit. A range of manometers and handheld are available as accessories. In units fitted with controls a pressure switch is fitted and the control system issues warnings when the filter the preset pressure drop. |
| r) <u>Casing sound power level</u> | Please refer to the RLT-unit selection software MARKAHU BV Select technical printout. |
| s) <u>Internet address for disassembly instructions</u> | http://www.markclimate.com/ |

2.

The above details are provided in the technical documentation issued with the commercial offer for the Airstream unit

The performance of the product identified in point b) is in conformity with the declared

Performance in point f) till point r) This declaration of performance is issued under the sole responsibility of the manufacturer identified in point a).

Signed for and on behalf of the manufacturer by:
Boer,

Jan Koop de
Managing
Director

Place: Veendam, The Netherlands



Date: 1 January 2016