



a) Name of manufacturer

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b) Model name

X-CUBE/SCHOOLAIR-D-2/1640x400x800
 X-CUBE/SCHOOLAIR-D-4/1640x400x800

Product information for non-residential ventilation systems according to Directive (EU) No. 1253/2014 Article 4 Section 2

| | Information requirement | Technical data for the supplied product |
|----|---|---|
| c) | Type | Non-residential ventilation unit |
| c) | | Bidirectional ventilation unit |
| d) | Drive type | Variable speed drive |
| e) | Heat recovery system (HRS) | Other (recuperative) |
| f) | Thermal efficiency of the heat recovery system | 54 % |
| g) | Nominal volume flow rate (qvNom) | 0.058 m³/s |
| g) | Nominal volume flow rate (qvNom) | 210 m³/h |
| h) | Electric power input at qvNom | 0.04 kW |
| i) | SFPint at qvNom | 490 W/(m³/s) |
| j) | Filter face velocity at qvNom | 0.59 m/s |
| k) | Nominal external pressure | 0 Pa - (non-ducted unit) |
| l) | Pressure drop of ventilation components | |
| l) | • HRSSUP / HRSETA | 20 Pa / 32 Pa |
| l) | ODA filter / ETA filter | 24 Pa / 10 Pa |
| n) | Static efficiency of fans in accordance with EU directive 327/2011 | n.a. - (the fan used is not covered by EU directive 327/2011) |
| o) | Internal leakage rate at qvNom and 150 Pa | 5.5 % |
| o) | External leakage rate at qvNom and 200 Pa | 4.0 % |
| p) | Annual energy consumption of the outdoor air filters at 3000 h/year | 13 kWh/yr |
| q) | Filter warning (Note 1) | On the control panel (LED double blinking) |
| r) | Casing sound power level including supply and extract air terminal devices in the room at qvNom | 39 dB(A) |
| s) | Disassembly instructions | www.troxtechnik.com |

Note 1: Filters have to be changed regularly! This increases the energy efficiency of the unit, reduces the power consumption of the fans and thus sustainably protects our environment.

Note 2: Only valid when using a TROX control system for decentralised ventilation units.