


**a) Name of manufacturer**

TROX GmbH  
 Heinrich-Trox-Platz • 47504 Neukirchen-Vluyn • Germany  
 Phone +49(0)2845 2020 • Fax +49(0)2845 202265  
 E-Mail trox-de@troxgroup.com • Internet www.troxtechnik.de

**b) Model name**

X-CUBE/SCHOOLAIR-B-HV-2  
 X-CUBE/SCHOOLAIR-B-HV-4

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 (regenerative)                       |
| f) | Thermal efficiency of the heat recovery system  | 75 %                                       |
| g) | Nominal volume flow rate (qvNom)  | 0.111 m³/s                                 |
| g) | Nominal volume flow rate (qvNom)  | 400 m³/h                                   |
| h) | Electric power input at qvNom   | 0.105 kW                                   |
| i) | SFPint at qvNom   | 485 W/(m³/s)                               |
| j) | Filter face velocity at qvNom   | 1.08 m/s                                   |
| k) | Nominal external pressure   | 0 Pa - (non-ducted unit)                   |
| l) | Pressure drop of ventilation components   |  |
| l) | • HRSSUP / HRSETA   | 48 Pa / 48 Pa                              |
| l) | ODA filter / ETA filter   | 37 Pa / 55 Pa                              |
| n) | Static efficiency of fans in accordance with EU directive 327/2011                              | 60 %                                       |
| o) | Internal leakage rate at qvNom and 150 Pa   | 5 %  |
| o) | External leakage rate at qvNom and 200 Pa   | 1 %  |
| p) | Annual energy consumption of the outdoor air filters at 3000 h/year                             | 20 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 | 42 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.