



a) Name of manufacturer

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b) Model name

X-CUBE/SCHOOLAIR-D-HV

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)	0.222 m³/s
g)	Nominal volume flow rate (qvNom)	800 m³/h
h)	Electric power input at qvNom	0.15 kW
i)	SFPint at qvNom	640 W/(m³/s)
j)	Filter face velocity at qvNom	1.45 m/s
k)	Nominal external pressure	0 Pa - (non-ducted unit)
l)	Pressure drop of ventilation components	
l)	• HRSSUP / HRSETA	40 Pa / 60 Pa
l)	ODA filter / ETA filter	57 Pa / 27 Pa
n)	Static efficiency of fans in accordance with EU directive 327/2011	59 %
o)	Internal leakage rate at qvNom and 150 Pa	5.4 %
o)	External leakage rate at qvNom and 200 Pa	5 %
p)	Annual energy consumption of the outdoor air filters at 3000 h/year	45 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	43 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.