


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-V-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)	0.111 m ³ /s
g)	Nominal volume flow rate (qvNom)	400 m ³ /h
h)	Electric power input at qvNom	0.082 kW
i)	SFPint at qvNom	428 W/(m ³ /s)
j)	Filter face velocity at qvNom	1.05 m/s
k)	Nominal external pressure	0 Pa - (non-ducted unit)
l)	Pressure drop of ventilation components	
l)	• HRSSUP / HRSETA	45 Pa / 51 Pa
l)	ODA filter / ETA filter	38 Pa / 38 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.