ECODESIGN INFORMATION

Applies to residential ventilation units (RVU)

According to Regulation EU No 1253/2014 of the European Commission, implementing Directive 2009/125/CE of European Parliament

a) Brand	SODECA, SLU	SODECA, SLU	SODECA, SLU	SODECA, SLU	SODECA, SLU	SODECA, SLU
b) Model	REB-15	REB-25	REB-40	REB-60	REB-80	REB-120
c) Specific energy consumption (SEC) average climate (kWh/(m².yr))	-41.7	-41.1	-42.4	-42	-32	-32.9
c) Specific energy consumption (SEC) cold climate (kWh/(m².yr))	-79.4	-78.9	-80.7	-80.6	-68	-68
c) Specific energy consumption (SEC) warm climate (kWh/(m².yr))	-17.4	-16.9	-17.9	-17.3	-8.8	-10.2
c) SEC class	B	B	B	B	B	B
d) Typology	RVU / BVU	RVU / BVU	RVU / BVU	RVU / BVU	RVU / BVU	RVU / BVU
e) Drive type	Multi-speed	Multi-speed	Multi-speed	Multi-speed	Multi-speed	Multi-speed
f) HRS type	Recuperative	Recuperative	Recuperative	Recuperative	Recuperative	Recuperative
g) Thermal efficiency of heat recovery (%)	81	81	84	85	82	79
h) Maximum flow rate (m³/h)	148	232	314	489	636	999
i) Electric power input of the fan drive at maximum flow rate (W)	54	100	106	211	293	400
j) Sound power level (LWA) (dBA)	47	51	53	56	58	59
k) Reference flow rate (m³/s)	0.029	0.045	0.061	0.095	0.124	0.194
l) Reference pressure difference (Pa)	50	50	50	50	85	50
m) SPI (W/m³/h)	0.18	0.21	0.17	0.21	0.345	0.285
n) Control factor	0.65	0.65	0.65	0.65	1	1
n) Control typology	Local demand control	Local demand control	Local demand control	Local demand control	Manual control	Manual control
o) Declared max. internal leakage rate (%)	1.2	1.2	1.3	1.3	2.0	2.0
o) Max. external leakage rate (%)	1.8	1.8	1.9	1.9	1.1	0.8
p) Mixing rate	0.00	0.00	0.00	0.00	0.00	0.00
q) Position and description of visual filter warning	See manual	See manual	See manual	See manual	See manual	See manual
r) Instructions to install regulated grilles	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
s) Website	www.sodeca.com	www.sodeca.com	www.sodeca.com	www.sodeca.com	www.sodeca.com	www.sodeca.com
t) Airflow sensitivity to pressure variations at +20 Pa and –20 Pa	0.00	0.00	0.00	0.00	0.00	0.00
u) Indoor/outdoor air tightness	0.00	0.00	0.00	0.00	0.00	0.00
v) Annual electricity consumption (AEC) average climate (kWh/yr)	119	140	110	140	500	400
v) Annual electricity consumption (AEC) warm climate (kWh/yr)	124	145	115	145	400	400
v) Annual electricity consumption (AEC) cold climate (kWh/yr)	118	139	109	139	1000	900
w) Annual heating saved (AHS) average climate (kWh/yr)	4507	4507	4561	4594	4300	4200
w) Annual heating saved (AHS) warm climate (kWh/yr)	8817	8817	8922	8987	2000	1900
w) Annual heating saved (AHS) cold climate (kWh/yr)	2038	2038	2062	2077	8500	8300
ErP compliance	2018	2018	2018	2018	2018	2018