

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/(m ² .yr))	kWh/(m ² .a)		-28.9	-33.8	-35.0	-32.0	-32.9
c) Specific energy consumption (SEC) cold climate (kWh/(m ² .yr))	kWh/(m ² .a)		-64.6	-69.8	-70.4	-68.0	-68.0
c) Specific energy consumption (SEC) warm climate (kWh/(m ² .yr))	kWh/(m ² .a)		-5.8	-10.6	-12.1	-8.8	-10.2
c) SEC class			B	B	A	B	B
d) Typology			RVU / BVU	RVU / BVU	RVU / BVU	RVU / BVU	RVU / BVU
e) Drive type			Multi-speed	Multi-speed	Multi-speed	Multi-speed	Multi-speed
f) HRS type			Recuperative	Recuperative	Recuperative	Recuperative	Recuperative
g) Thermal efficiency of heat recovery (%)	%		81	82	80	82	79
h) Maximum flow rate (m ³ /h)	m ³ /h		133	295	472	636	999
i) Electric power input of the fan drive at maximum flow rate (W)	W		71	126	155	293	400
j) Sound power level (LWA) (dBA)	dBA		52	54	56	58	59
k) Reference flow rate (m ³ /s)	m ³ /s		0.026	0.057	0.092	0.124	0.194
l) Reference pressure difference (Pa)	Pa		74	50	56	85	50
m) SPI (Wm ³ /h)	W/(m ³ /h)		0.435	0.287	0.230	0.345	0.285
n) Control factor			1.00	1.00	1.00	1.00	1.00
n) Control typology			Manual control	Manual control	Manual control	Manual control	Manual control
o) Max. internal leakage rate (%)	%		2.0	2.0	2.0	2.0	2.0
o) Max. external leakage rate (%)	%		2.2	1.3	1.1	1.1	0.8
p) Mixing rate							
q) Position and description of visual filter warning			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
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							
u) Indoor/outdoor air tightness	m ³ /h						
v) Annual electricity consumption (AEC) average climate (kWh/(m ² .yr))	kWh/(m ² .a)		6	4	3	5	4
v) Annual electricity consumption (AEC) warm climate (kWh/(m ² .yr))	kWh/(m ² .a)		5	4	3	4	4
v) Annual electricity consumption (AEC) cold climate (kWh/(m ² .yr))	kWh/(m ² .a)		11	9	9	10	9
w) Annual heating saved (AHS) average climate (kWh/(m ² .yr))	kWh/(m ² .a)		43	43	43	43	42
w) Annual heating saved (AHS) warm climate (kWh/(m ² .yr))	kWh/(m ² .a)		19	20	19	20	19
w) Annual heating saved (AHS) cold climate (kWh/(m ² .yr))	kWh/(m ² .a)		84	85	83	85	83
ErP compliance		ErP Exclude. Pe < 30 W	2018	2018	2018	2018	2018