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	SODECA, SLU
b) Model	REB/EC-V-500 F6+F8	REB/EC-V-700 F6+F8	REB/EC-V-1000 F6+F8	REB/EC-V-500 F7+F9	REB/EC-V-700 F7+F9	REB/EC-V-1000 F7+F9	REB/EC-H-500 F6+F8
c) Specific energy consumption (SEC) average climate (kWh/(m².yr))	-39.2	-40.2	-38.1	-39.2	-40.2	-38.1	-39.2
c) Specific energy consumption (SEC) cold climate (kWh/(m².yr))	-75.6	-76.6	-74.5	-75.6	-76.6	-74.5	-75.6
c) Specific energy consumption (SEC) warm climate (kWh/(m².yr))	-15.7	-16.8	-14.6	-15.7	-16.8	-14.6	-15.7
c) SEC class	A	A	A	A	A	A	A
d) Typology	RVU / BVU	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	Multi-speed
f) HRS type	Recuperative	Recuperative	Recuperative	Recuperative	Recuperative	Recuperative	Recuperative
g) Thermal efficiency of heat recovery (%)	74	74	74	74	74	74	74
h) Maximum flow rate (m³/h)	482	664	951	472	652	925	482
i) Electric power input of the fan drive at maximum flow rate (W)	339	339	839	339	339	832	339
j) Sound power level (LWA) (dBA)	64	64	62	64	64	62	64
k) Reference flow rate (m³/s)	0.094	0.129	0.185	0.092	0.127	0.18	0.094
l) Reference pressure difference (Pa)	50	50	50	50	50	50	50
m) SPI (W/m³/h)	0.345	0.25	0.432	0.351	0.255	0.44	0.345
n) Control factor	0.65	0.65	0.65	0.65	0.65	0.65	0.65
n) Control typology	Local demand control	Local demand control	Local demand control	Local demand control	Local demand control	Local demand control	Local demand control
o) Declared max. internal leakage rate (%)	1.6	1.7	1.3	1.6	1.7	1.3	1.6
o) Max. external leakage rate (%)	2.6	2.4	1.8	2.6	2.4	1.8	2.6
p) Mixing rate	0.00	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	See manual
r) Instructions to install regulated grilles	Not applicable	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	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	0.00
u) Indoor/outdoor air tightness	0.00	0.00	0.00	0.00	0.00	0.00	0.00
v) Annual electricity consumption (AEC) average climate (kWh/yr)	163	120	208	163	120	208	163
v) Annual electricity consumption (AEC) warm climate (kWh/yr)	162	120	207	162	120	207	162
v) Annual electricity consumption (AEC) cold climate (kWh/yr)	168	126	213	168	126	213	168
w) Annual heating saved (AHS) average climate (kWh/yr)	4368	4368	4370	4368	4368	4370	4368
w) Annual heating saved (AHS) warm climate (kWh/yr)	1975	1975	1976	1975	1975	1976	1975
w) Annual heating saved (AHS) cold climate (kWh/yr)	8545	8544	8549	8545	8544	8549	8545
ErP compliance	2018	2018	2018	2018	2018	2018	2018

ECODESIGN INFORMATION

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a) Brand	SODECA, SLU	SODECA, SLU	SODECA, SLU	SODECA, SLU	SODECA, SLU
b) Model	REB/EC-H-700 F6+F8	REB/EC-H-1000 F6+F8	REB/EC-H-500 F7+F9	REB/EC-H-700 F7+F9	REB/EC-H-1000 F7+F9
c) Specific energy consumption (SEC) average climate (kWh/(m².yr))	-40.2	-38.1	-39.2	-40.2	-38.1
c) Specific energy consumption (SEC) cold climate (kWh/(m².yr))	-76.6	-74.5	-75.6	-76.6	-74.5
c) Specific energy consumption (SEC) warm climate (kWh/(m².yr))	-16.8	-14.6	-15.7	-16.8	-14.6
c) SEC class	A	A	A	A	A
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 (%)	74	74	74	74	74
h) Maximum flow rate (m³/h)	664	951	472	652	925
i) Electric power input of the fan drive at maximum flow rate (W)	339	839	339	339	832
j) Sound power level (LWA) (dBA)	64	62	64	64	62
k) Reference flow rate (m³/s)	0.129	0.185	0.092	0.127	0.18
l) Reference pressure difference (Pa)	50	50	50	50	50
m) SPI (W/m³/h)	0.25	0.432	0.351	0.255	0.44
n) Control factor	0.65	0.65	0.65	0.65	0.65
n) Control typology	Local demand control	Local demand control	Local demand control	Local demand control	Local demand control
o) Declared max. internal leakage rate (%)	1.7	1.3	1.6	1.7	1.3
o) Max. external leakage rate (%)	2.4	1.8	2.6	2.4	1.8
p) Mixing rate	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
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
t) Airflow sensitivity to pressure variations at +20 Pa and –20 Pa	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
v) Annual electricity consumption (AEC) average climate (kWh/yr)	120	208	163	120	208
v) Annual electricity consumption (AEC) warm climate (kWh/yr)	120	207	162	120	207
v) Annual electricity consumption (AEC) cold climate (kWh/yr)	126	213	168	126	213
w) Annual heating saved (AHS) average climate (kWh/yr)	4368	4370	4368	4368	4370
w) Annual heating saved (AHS) warm climate (kWh/yr)	1975	1976	1975	1975	1976
w) Annual heating saved (AHS) cold climate (kWh/yr)	8544	8549	8545	8544	8549
ErP compliance	2018	2018	2018	2018	2018