

1253/2014 Ecodesign regulation
1254/2014 Energy labelling regulation

120780EN-01
2023-04

Flexit SAT LVEC 100

• WITH LOCAL DEMAND CONTROL

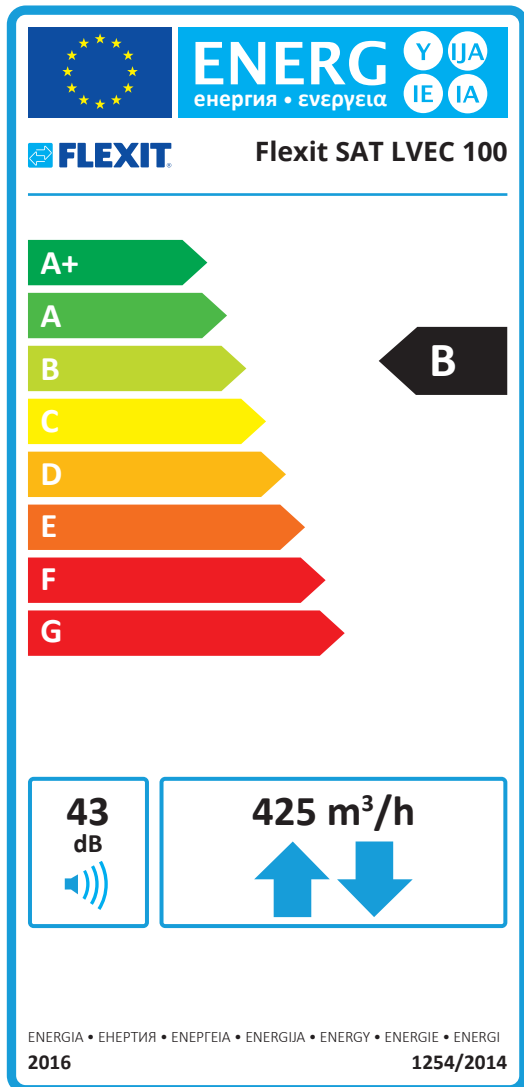
CTRL 0,65

LOCAL DEMAND CONTROL

Sensor control for different zones

Accessories: Control panel + controller + pressure sensor + CO₂-sensor/humidistat + damper

Result: Increased air flow rate in zones that need it



a)	Name or trade mark:	Flexit
b)	Model identifier:	LVEC 100 Art.nr. 120390
c)	Specific energy consumption (SEC): $SEC = t_a \cdot p_{ef} \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI - t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t)) + Q_{defr}$	Cold -53,9 kWh/m² and years Average -26,8 kWh/m² and years Warm -11,3 kWh/m² and years
d)	Typology:	Unidirectional ventilation unit for residential
e)	Drive:	Variable speed drive (X=2,0)
f)	Heat recovery system:	n.a
g)	Thermal efficiency (EN 13141-7):	n.a
h)	Maximum flow rate:	425 m³/h (0,1181 m³/s)
i)	Electric power input of the drive:	87 W
j)	Sound power level (Lw(A)):	43 dB(A)
k)	Reference flow rate:	0,0826 m³/s (297 m³/h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,111 W/(m³/h)
n)	Control factor and control typology:	0,65
o)	Leakage:	External leakage: 2 % n.a
p)	Mixing rate:	n.a
q)	Filter warning:	n.a
r)	For unidirectional ventilation systems:	www.flexit.com
s)	Pre-/dis-assembly instructions:	www.flexit.com
t)	For non-ducted units: Pressure variations	n.a
u)	For non-ducted units: Air tightness	n.a
v)	The annual electricity consumption: $AEC = t_a \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI + Q_{defr}$	587 kWh/100m² and years
w)	The annual heating saved: $AHS = t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t))$	Cold 55,4 kWh/year Average 28,3 kWh/year Warm 12,8 kWh/year

This document describes:

COMMISSION REGULATION (EU) No 1253/2014 of 7 July 2014 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for ventilation units.

COMMISSION DELEGATED REGULATION (EU) No 1254/2014 of 11 July 2014 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of residential ventilation units.

) Ref. 1253/2014 and 1254/2014

*In order to achieve the optimal indoor climate it is crucial to change filter on a regular basis. This will also result in better economy and less noise compared with clogged.

1253/2014 Ecodesign regulation
1254/2014 Energy labelling regulation

120780EN-01
2023-04

Flexit SAT LVEC 100

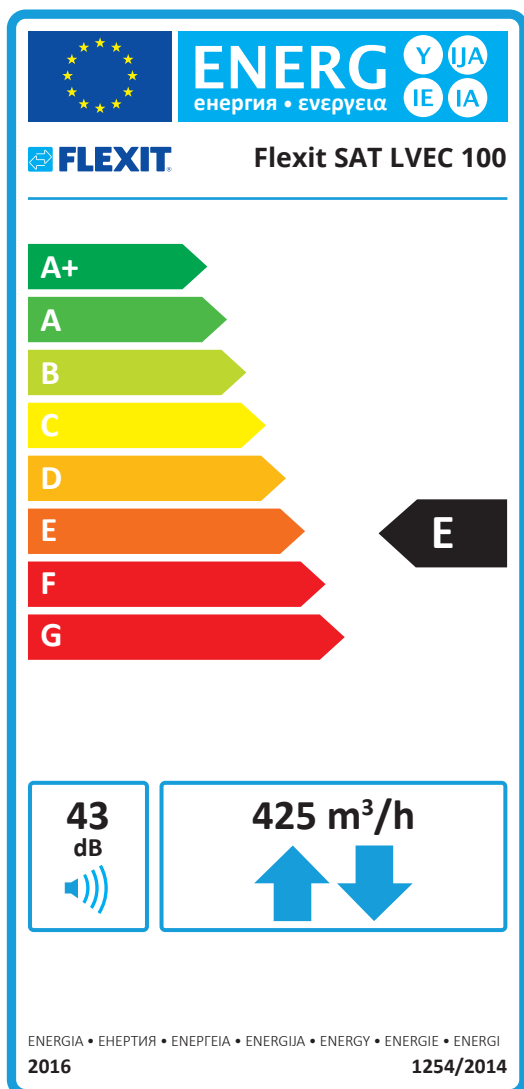
• WITH MANUAL CONTROL

CTRL 1,0

MANUAL CONTROL

Accessories: Control panel SAT EC + force timer + humidistat

Result: Increased air flow for whole building



a)	Name or trade mark:	Flexit
b)	Model identifier:	LVEC 100 Art.nr. 120390
c)	Specific energy consumption (SEC): $SEC = t_a \cdot p_{ef} \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI - t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t)) + Q_{defr}$	Cold -30,1 kWh/m² and years Average -13,7 kWh/m² and years Warm -4,3 kWh/m² and years
d)	Typology:	Unidirectional ventilation unit for residential
e)	Drive:	Variable speed drive (X=2,0)
f)	Heat recovery system:	n.a
g)	Thermal efficiency (EN 13141-7):	n.a
h)	Maximum flow rate:	425 m³/h (0,1181 m³/s)
i)	Electric power input of the drive:	87 W
j)	Sound power level (Lw(A)):	43 dB(A)
k)	Reference flow rate:	0,0826 m³/s (297 m³/h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,111 W/(m³/h)
n)	Control factor and control typology:	0,65
o)	Leakage:	External leakage: 2 % n.a
p)	Mixing rate:	n.a
q)	Filter warning:	n.a
r)	For unidirectional ventilation systems:	www.flexit.com
s)	Pre-/dis-assembly instructions:	www.flexit.com
t)	For non-ducted units: Pressure variations	n.a
u)	For non-ducted units: Air tightness	n.a
v)	The annual electricity consumption: $AEC = t_a \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI + Q_{defr}$	1 390 kWh/100m² and years
w)	The annual heating saved: $AHS = t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t))$	Cold 33,6 kWh/year Average 17,2 kWh/year Warm 7,8 kWh/year

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COMMISSION DELEGATED REGULATION (EU) No 1254/2014 of 11 July 2014 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of residential ventilation units.

) Ref. 1253/2014 and 1254/2014

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1253/2014 Ecodesign regulation
1254/2014 Energy labelling regulation

120780EN-01
2023-04

Flexit SAT LVEC 125

• WITH LOCAL DEMAND CONTROL

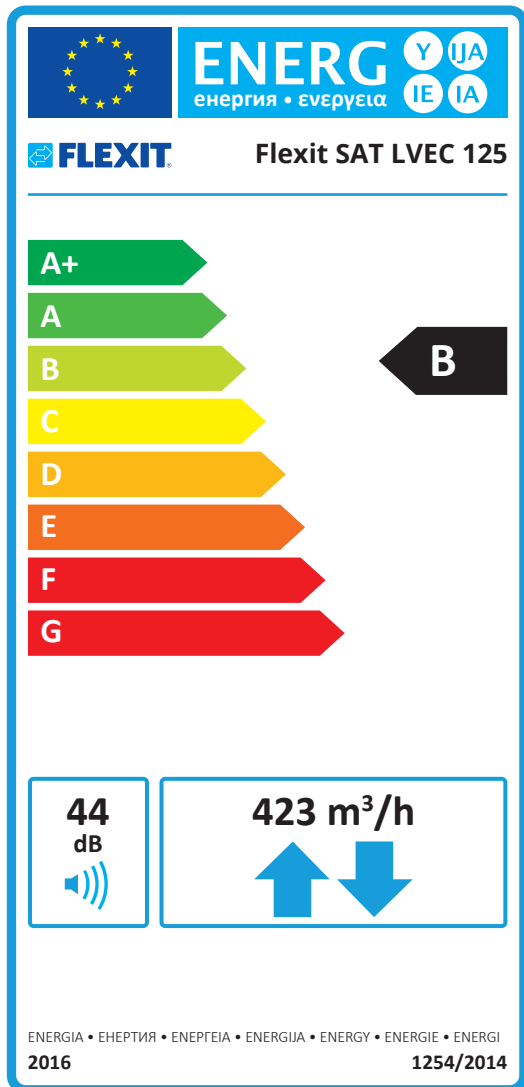
CTRL 0,65

LOCAL DEMAND CONTROL

Sensor control for different zones

Accessories: Control panel + controller + pressure sensor + CO₂-sensor/humidistat + damper

Result: Increased air flow rate in zones that need it



a)	Name or trade mark:	Flexit
b)	Model identifier:	LVEC 125 Art.nr. 120391
c)	Specific energy consumption (SEC): $SEC = t_a \cdot p_{ef} \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI - t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t)) + Q_{defr}$	Cold -53,9 kWh/m² and years Average -26,8 kWh/m² and years Warm -11,3 kWh/m² and years
d)	Typology:	Unidirectional ventilation unit for residential
e)	Drive:	Variable speed drive (X=2,0)
f)	Heat recovery system:	n.a
g)	Thermal efficiency (EN 13141-7):	n.a
h)	Maximum flow rate:	423 m³/h (0,1175 m³/s)
i)	Electric power input of the drive:	87 W
j)	Sound power level (Lw(A)):	44 dB(A)
k)	Reference flow rate:	0,08225 m³/s (296 m³/h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,115 W/(m³/h)
n)	Control factor and control typology:	0,65
o)	Leakage:	External leakage: 2 % n.a
p)	Mixing rate:	n.a
q)	Filter warning:	n.a
r)	For unidirectional ventilation systems:	www.flexit.com
s)	Pre-/dis-assembly instructions:	www.flexit.com
t)	For non-ducted units: Pressure variations	n.a
u)	For non-ducted units: Air tightness	n.a
v)	The annual electricity consumption: $AEC = t_a \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI + Q_{defr}$	608 kWh/100m² and years
w)	The annual heating saved: $AHS = t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t))$	Cold 55,4 kWh/year Average 28,3 kWh/year Warm 12,8 kWh/year

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COMMISSION DELEGATED REGULATION (EU) No 1254/2014 of 11 July 2014 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of residential ventilation units.

) Ref. 1253/2014 and 1254/2014

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1253/2014 Ecodesign regulation
1254/2014 Energy labelling regulation

120780EN-01
2023-04

Flexit SAT LVEC 125

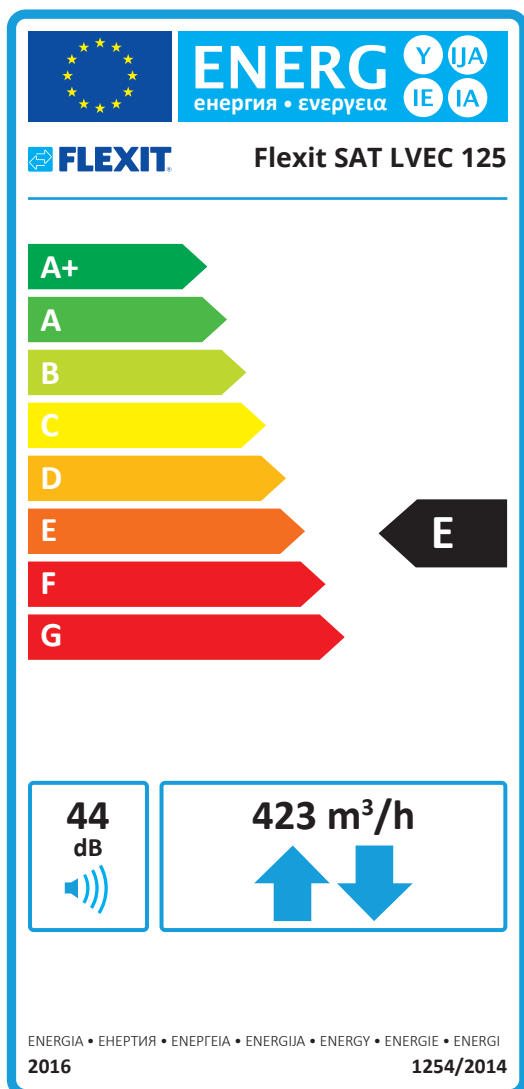
• WITH MANUAL CONTROL

CTRL 1,0

MANUAL CONTROL

Accessories: Control panel SAT EC + force timer + humidistat

Result: Increased air flow for whole building



a)	Name or trade mark:	Flexit
b)	Model identifier:	LVEC 125 Art.nr. 120391
c)	Specific energy consumption (SEC): $SEC = t_a \cdot p_{ef} \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI - t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t)) + Q_{defr}$	Cold -30 kWh/m² and years Average -13,6 kWh/m² and years Warm -4,2 kWh/m² and years
d)	Typology:	Unidirectional ventilation unit for residential
e)	Drive:	Variable speed drive (X=2,0)
f)	Heat recovery system:	n.a
g)	Thermal efficiency (EN 13141-7):	n.a
h)	Maximum flow rate:	423 m³/h (0,1175 m³/s)
i)	Electric power input of the drive:	87 W
j)	Sound power level (Lw(A)):	44 dB(A)
k)	Reference flow rate:	0,080225 m³/s (297 m³/h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,111 W/(m³/h)
n)	Control factor and control typology:	0,65
o)	Leakage:	External leakage: 2 % n.a
p)	Mixing rate:	n.a
q)	Filter warning:	n.a
r)	For unidirectional ventilation systems:	www.flexit.com
s)	Pre-/dis-assembly instructions:	www.flexit.com
t)	For non-ducted units: Pressure variations	n.a
u)	For non-ducted units: Air tightness	n.a
v)	The annual electricity consumption: $AEC = t_a \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI + Q_{defr}$	1 438 kWh/100m² and years
w)	The annual heating saved: $AHS = t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t))$	Cold 33,6 kWh/year Average 17,2 kWh/year Warm 7,8 kWh/year

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COMMISSION DELEGATED REGULATION (EU) No 1254/2014 of 11 July 2014 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of residential ventilation units.

) Ref. 1253/2014 and 1254/2014

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1253/2014 Ecodesign regulation
1254/2014 Energy labelling regulation

120780EN-01
2023-04

Flexit SAT SVEC R 125

• WITH LOCAL DEMAND CONTROL

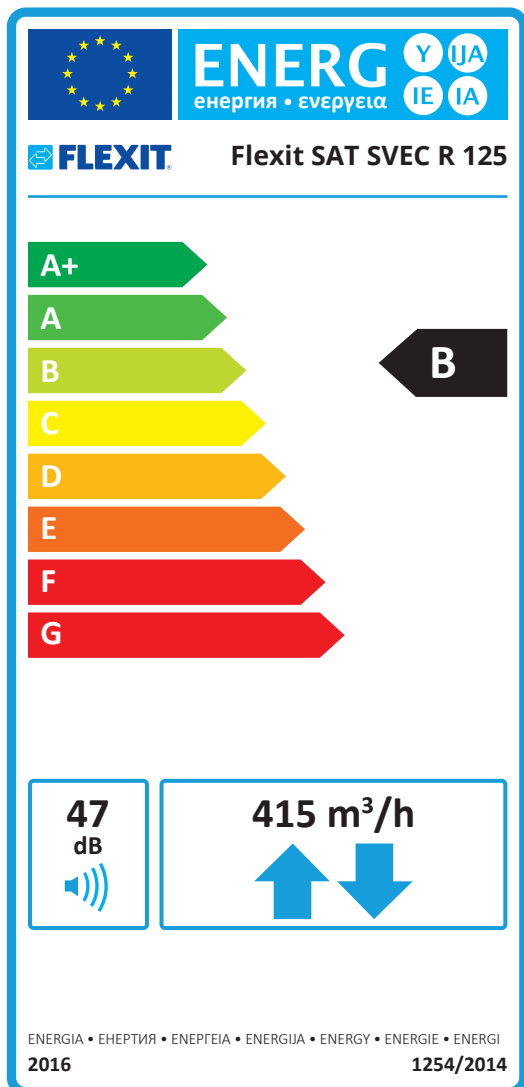
CTRL 0,65

LOCAL DEMAND CONTROL

Sensor control for different zones

Accessories: Control panel + controller + pressure sensor + CO₂-sensor/humidistat + damper

Result: Increased air flow rate in zones that need it



a)	Name or trade mark:	Flexit
b)	Model identifier:	SVEC R 125 Art.nr. 120488
c)	Specific energy consumption (SEC): $SEC = t_a \cdot p_{ef} \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI - t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t)) + Q_{defr}$	Cold -53,8 kWh/m² and years Average -26,8 kWh/m² and years Warm -11,3 kWh/m² and years
d)	Typology:	Unidirectional ventilation unit for residential
e)	Drive:	Variable speed drive (X=2,0)
f)	Heat recovery system:	n.a
g)	Thermal efficiency (EN 13141-7):	n.a
h)	Maximum flow rate:	415 m³/h (0,1153 m³/s)
i)	Electric power input of the drive:	88 W
j)	Sound power level (Lw(A)):	47 dB(A)
k)	Reference flow rate:	0,08068 m³/s (290 m³/h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,117 W/(m³/h)
n)	Control factor and control typology:	0,65
o)	Leakage:	External leakage: 2 % n.a
p)	Mixing rate:	n.a
q)	Filter warning:	n.a
r)	For unidirectional ventilation systems:	www.flexit.com
s)	Pre-/dis-assembly instructions:	www.flexit.com
t)	For non-ducted units: Pressure variations	n.a
u)	For non-ducted units: Air tightness	n.a
v)	The annual electricity consumption: $AEC = t_a \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI + Q_{defr}$	620 kWh/100m² and years
w)	The annual heating saved: $AHS = t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t))$	Cold 55,4 kWh/year Average 28,3 kWh/year Warm 12,8 kWh/year

This document describes:

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COMMISSION DELEGATED REGULATION (EU) No 1254/2014 of 11 July 2014 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of residential ventilation units.

) Ref. 1253/2014 and 1254/2014

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1253/2014 Ecodesign regulation
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120780EN-01
2023-04

Flexit SAT SVEC R 125

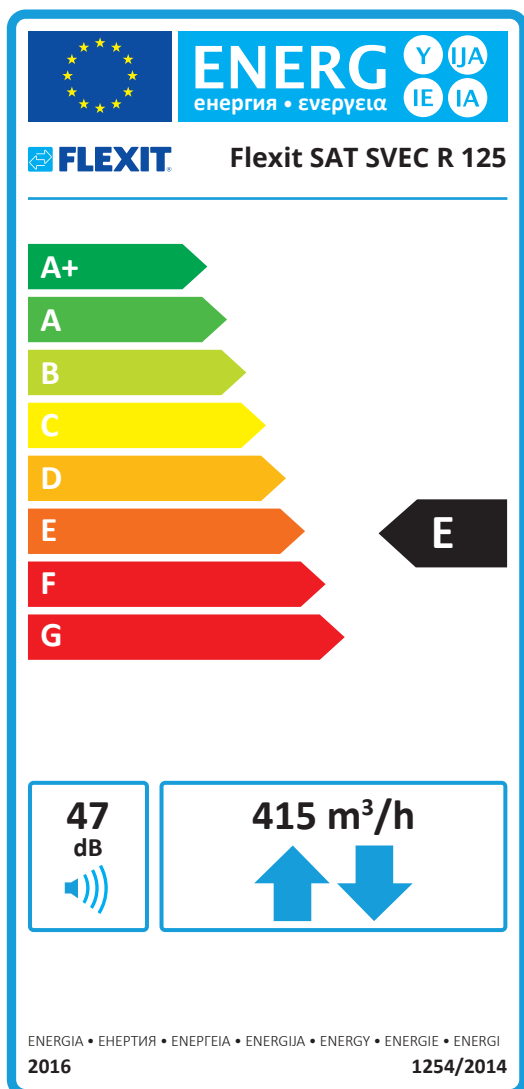
• WITH MANUAL CONTROL

CTRL 1,0

MANUAL CONTROL

Accessories: Control panel SAT EC + force timer + humidistat

Result: Increased air flow for whole building



a)	Name or trade mark:	Flexit
b)	Model identifier:	SVEC R 125 Art.nr. 120488
c)	Specific energy consumption (SEC): $SEC = t_a \cdot p_{ef} \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI - t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t)) + Q_{defr}$	Cold -29,9 kWh/m² and years Average -13,5 kWh/m² and years Warm -4,1 kWh/m² and years
d)	Typology:	Unidirectional ventilation unit for residential
e)	Drive:	Variable speed drive (X=2,0)
f)	Heat recovery system:	n.a
g)	Thermal efficiency (EN 13141-7):	n.a
h)	Maximum flow rate:	415 m³/h (0,1153 m³/s)
i)	Electric power input of the drive:	88 W
j)	Sound power level (Lw(A)):	47 dB(A)
k)	Reference flow rate:	0,08068 m³/s (290 m³/h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,117 W/(m³/h)
n)	Control factor and control typology:	0,65
o)	Leakage:	External leakage: 2 % n.a
p)	Mixing rate:	n.a
q)	Filter warning:	n.a
r)	For unidirectional ventilation systems:	www.flexit.com
s)	Pre-/dis-assembly instructions:	www.flexit.com
t)	For non-ducted units: Pressure variations	n.a
u)	For non-ducted units: Air tightness	n.a
v)	The annual electricity consumption: $AEC = t_a \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI + Q_{defr}$	1 466 kWh/100m² and years
w)	The annual heating saved: $AHS = t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t))$	Cold 33,6 kWh/year Average 17,2 kWh/year Warm 7,8 kWh/year

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COMMISSION REGULATION (EU) No 1253/2014 of 7 July 2014 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to eco-design requirements for ventilation units.

COMMISSION DELEGATED REGULATION (EU) No 1254/2014 of 11 July 2014 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of residential ventilation units.

) Ref. 1253/2014 and 1254/2014

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1253/2014 Ecodesign regulation
1254/2014 Energy labelling regulation

120780EN-01
2023-04

Flexit SAT SVEC L 125

• WITH LOCAL DEMAND CONTROL

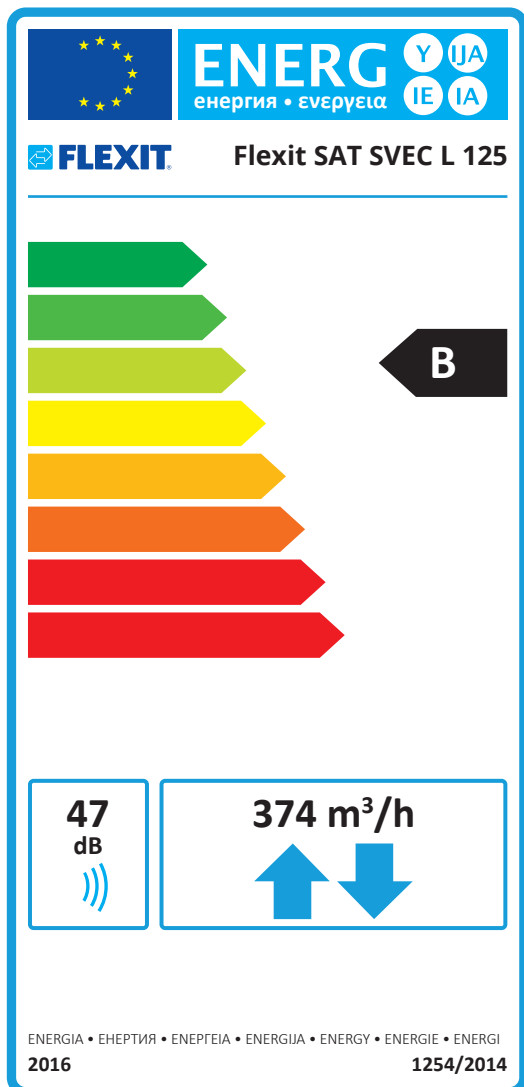
CTRL 0,65

LOCAL DEMAND CONTROL

Sensor control for different zones

Accessories: Control panel + controller + pressure sensor + CO₂-sensor/humidistat + damper

Result: Increased air flow rate in zones that need it



a)	Name or trade mark:	Flexit
b)	Model identifier:	SVEC L 125 Art.nr. 120489
c)	Specific energy consumption (SEC): $SEC = t_a \cdot p_{ef} \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI - t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t)) + Q_{defr}$	Cold -53,8 kWh/m² and years Average -26,7 kWh/m² and years Warm -11,2 kWh/m² and years
d)	Typology:	Unidirectional ventilation unit for residential
e)	Drive:	Variable speed drive (X=2,0)
f)	Heat recovery system:	n.a
g)	Thermal efficiency (EN 13141-7):	n.a
h)	Maximum flow rate:	374 m³/h (0,1039 m³/s)
i)	Electric power input of the drive:	87 W
j)	Sound power level (Lw(A)):	47 dB(A)
k)	Reference flow rate:	0,07272 m³/s (262 m³/h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,122 W/(m³/h)
n)	Control factor and control typology:	0,65
o)	Leakage:	External leakage: 2 % n.a
p)	Mixing rate:	n.a
q)	Filter warning:	n.a
r)	For unidirectional ventilation systems:	www.flexit.com
s)	Pre-/dis-assembly instructions:	www.flexit.com
t)	For non-ducted units: Pressure variations	n.a
u)	For non-ducted units: Air tightness	n.a
v)	The annual electricity consumption: $AEC = t_a \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI + Q_{defr}$	647 kWh/100m² and years
w)	The annual heating saved: $AHS = t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t))$	Cold 55,4 kWh/year Average 28,3 kWh/year Warm 12,8 kWh/year

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2023-04

Flexit SAT SVEC L 125

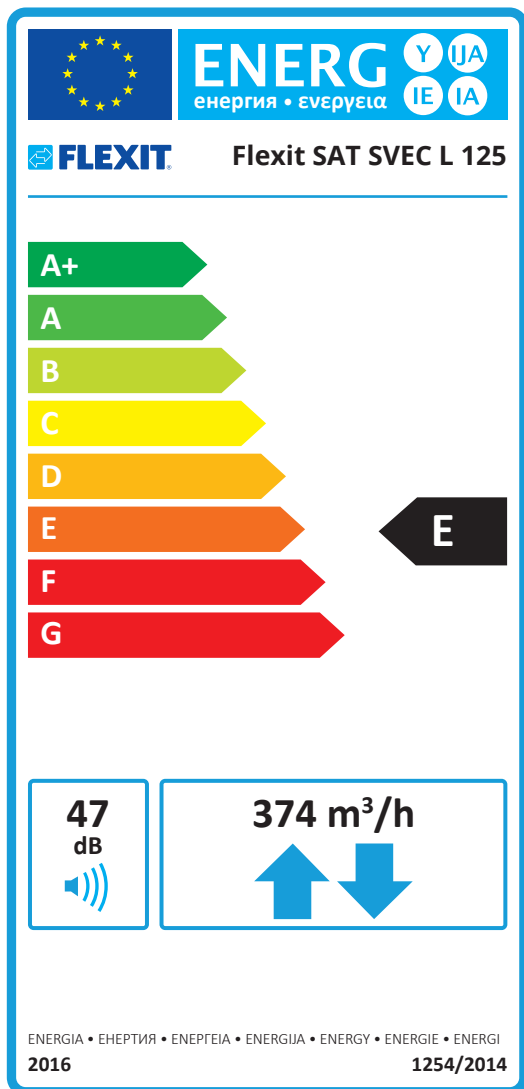
• WITH MANUAL CONTROL

CTRL 1,0

MANUAL CONTROL

Accessories: Control panel SAT EC + force timer + humidistat

Result: Increased air flow for whole building



a)	Name or trade mark:	Flexit
b)	Model identifier:	SVEC L 125 Art.nr. 120489
c)	Specific energy consumption (SEC): $SEC = t_a \cdot p_{ef} \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI - t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t)) + Q_{defr}$	Cold -29,7 kWh/m² and years Average -13,3 kWh/m² and years Warm -3,9 kWh/m² and years
d)	Typology:	Unidirectional ventilation unit for residential
e)	Drive:	Variable speed drive (X=2,0)
f)	Heat recovery system:	n.a
g)	Thermal efficiency (EN 13141-7):	n.a
h)	Maximum flow rate:	374 m³/h (0,1039 m³/s)
i)	Electric power input of the drive:	87 W
j)	Sound power level (Lw(A)):	47 dB(A)
k)	Reference flow rate:	0,07272 m³/s (262 m³/h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,122 W/(m³/h)
n)	Control factor and control typology:	0,65
o)	Leakage:	External leakage: 2 % n.a
p)	Mixing rate:	n.a
q)	Filter warning:	n.a
r)	For unidirectional ventilation systems:	www.flexit.com
s)	Pre-/dis-assembly instructions:	www.flexit.com
t)	For non-ducted units: Pressure variations	n.a
u)	For non-ducted units: Air tightness	n.a
v)	The annual electricity consumption: $AEC = t_a \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI + Q_{defr}$	1 531 kWh/100m² and years
w)	The annual heating saved: $AHS = t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t))$	Cold 33,6 kWh/year Average 17,2 kWh/year Warm 7,8 kWh/year

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2023-04

Flexit SAT KVEC 125

• WITH LOCAL DEMAND CONTROL

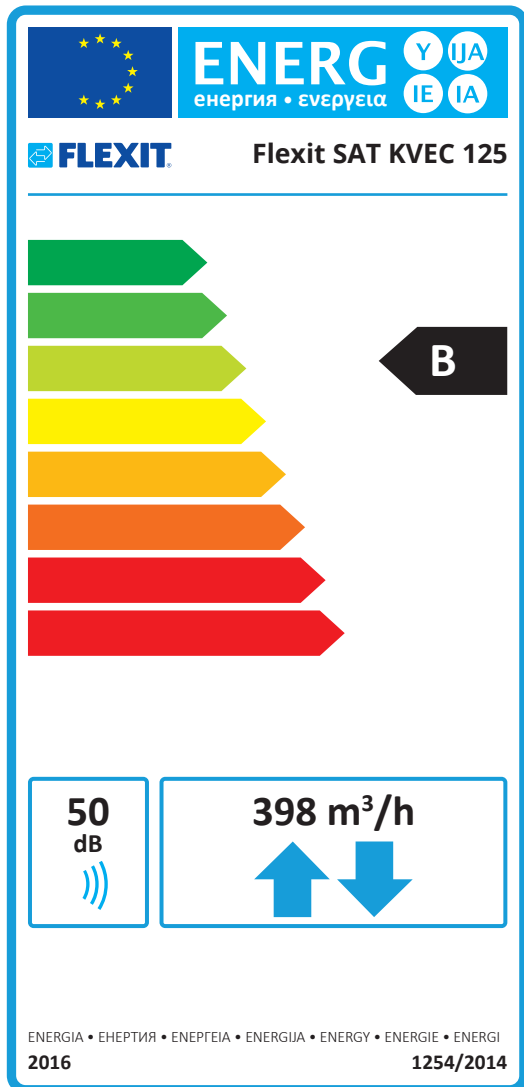
CTRL 0,65

LOCAL DEMAND CONTROL

Sensor control for different zones

Accessories: Control panel + controller + pressure sensor + CO₂-sensor/humidistat + damper

Result: Increased air flow rate in zones that need it



a)	Name or trade mark:	Flexit
b)	Model identifier:	KVEC 125 Art.nr. 120393
c)	Specific energy consumption (SEC): $SEC = t_a \cdot p_{ef} \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI - t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t)) + Q_{defr}$	Cold -53,8 kWh/m² and years Average -26,7 kWh/m² and years Warm -11,2 kWh/m² and years
d)	Typology:	Unidirectional ventilation unit for residential
e)	Drive:	Variable speed drive (X=2,0)
f)	Heat recovery system:	n.a
g)	Thermal efficiency (EN 13141-7):	n.a
h)	Maximum flow rate:	398 m³/h (0,1106 m³/s)
i)	Electric power input of the drive:	87 W
j)	Sound power level (Lw(A)):	50 dB(A)
k)	Reference flow rate:	0,07739 m³/s (279 m³/h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,122 W/(m³/h)
n)	Control factor and control typology:	0,65
o)	Leakage:	External leakage: 2 % n.a
p)	Mixing rate:	n.a
q)	Filter warning:	n.a
r)	For unidirectional ventilation systems:	www.flexit.com
s)	Pre-/dis-assembly instructions:	www.flexit.com
t)	For non-ducted units: Pressure variations	n.a
u)	For non-ducted units: Air tightness	n.a
v)	The annual electricity consumption: $AEC = t_a \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI + Q_{defr}$	646 kWh/100m² and years
w)	The annual heating saved: $AHS = t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t))$	Cold 55,4 kWh/year Average 28,3 kWh/year Warm 12,8 kWh/year

This document describes:

COMMISSION REGULATION (EU) No 1253/2014 of 7 July 2014 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for ventilation units.

COMMISSION DELEGATED REGULATION (EU) No 1254/2014 of 11 July 2014 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of residential ventilation units.

) Ref. 1253/2014 and 1254/2014

*In order to achieve the optimal indoor climate it is crucial to change filter on a regular basis. This will also result in better economy and less noise compared with clogged.

1253/2014 Ecodesign regulation
1254/2014 Energy labelling regulation

120780EN-01
2023-04

Flexit SAT KVEC 125

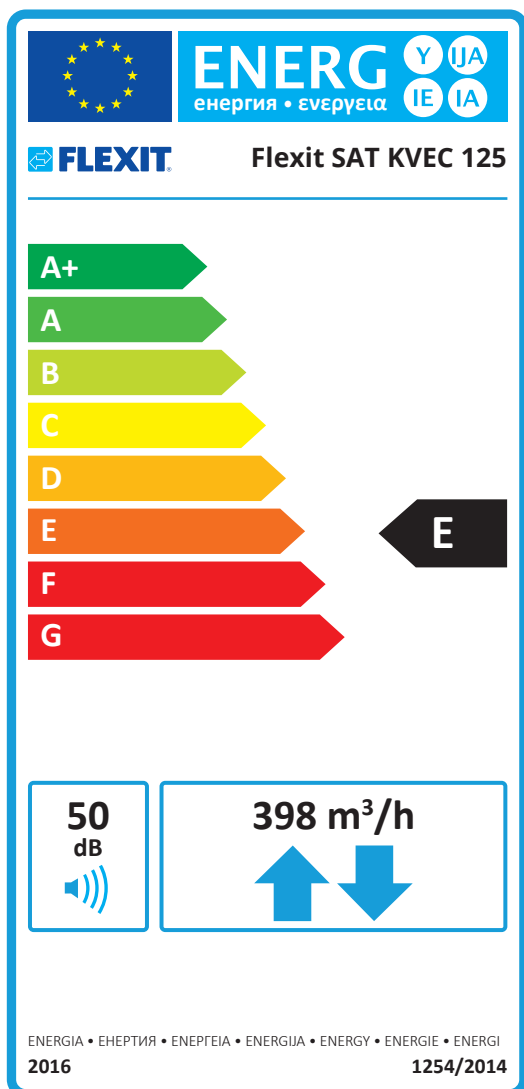
• WITH MANUAL CONTROL

CTRL 1,0

MANUAL CONTROL

Accessories: Control panel SAT EC + force timer + humidistat

Result: Increased air flow for whole building



a)	Name or trade mark:	Flexit
b)	Model identifier:	KVEC 125 Art.nr. 120393
c)	Specific energy consumption (SEC): $SEC = t_a \cdot p_{ef} \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI - t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t)) + Q_{defr}$	Cold -29,7 kWh/m² and years Average -13,3 kWh/m² and years Warm -3,9 kWh/m² and years
d)	Typology:	Unidirectional ventilation unit for residential
e)	Drive:	Variable speed drive (X=2,0)
f)	Heat recovery system:	n.a
g)	Thermal efficiency (EN 13141-7):	n.a
h)	Maximum flow rate:	398 m³/h (0,1106 m³/s)
i)	Electric power input of the drive:	87 W
j)	Sound power level (Lw(A)):	50 dB(A)
k)	Reference flow rate:	0,07739 m³/s (279 m³/h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,122 W/(m³/h)
n)	Control factor and control typology:	0,65
o)	Leakage:	External leakage: 2 % n.a
p)	Mixing rate:	n.a
q)	Filter warning:	n.a
r)	For unidirectional ventilation systems:	www.flexit.com
s)	Pre-/dis-assembly instructions:	www.flexit.com
t)	For non-ducted units: Pressure variations	n.a
u)	For non-ducted units: Air tightness	n.a
v)	The annual electricity consumption: $AEC = t_a \cdot q_{net} \cdot MISC \cdot CTRL^x \cdot SPI + Q_{defr}$	1 529 kWh/100m² and years
w)	The annual heating saved: $AHS = t_h \cdot \Delta T_h \cdot \eta_h^{-1} \cdot c_{air} \cdot (q_{ref} - q_{net} \cdot CTRL \cdot MISC \cdot (1 - \eta_t))$	Cold 33,6 kWh/year Average 17,2 kWh/year Warm 7,8 kWh/year

This document describes:

COMMISSION REGULATION (EU) No 1253/2014 of 7 July 2014 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for ventilation units.

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) Ref. 1253/2014 and 1254/2014

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