

# Flexit SAT LVEC 100

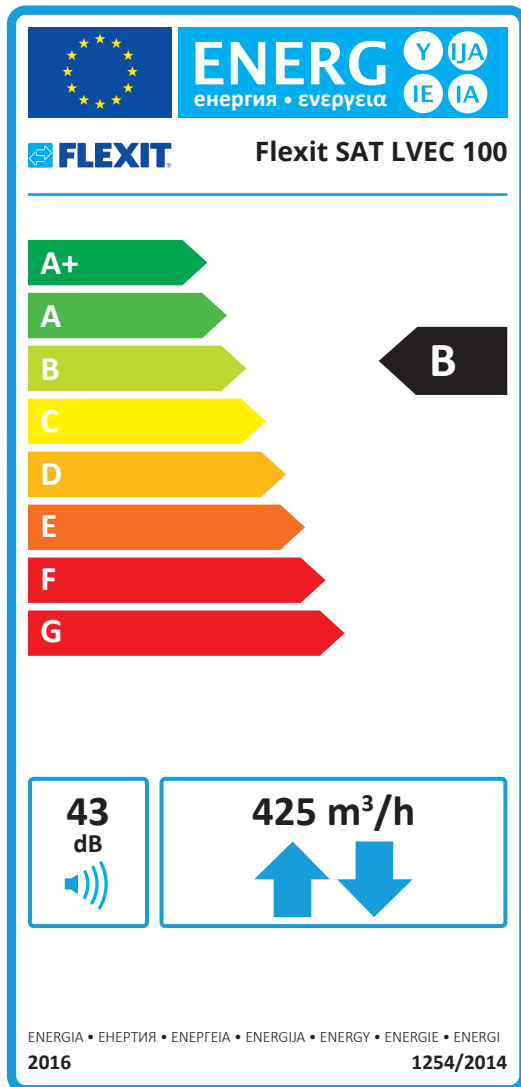
• WITH LOCAL DEMAND CONTROL

CTRL 0,65

## LOCAL DEMAND CONTROL

Sensor control for different zones

**Accessories:** Control panel + controller + pressure sensor + CO<sub>2</sub>-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/m <sup>2</sup> and years Average -26,8 kWh/m <sup>2</sup> and years Warm -11,3 kWh/m <sup>2</sup> 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 m <sup>3</sup> /h (0,1181 m <sup>3</sup> /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 m <sup>3</sup> /s (297 m <sup>3</sup> /h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,111 W/(m <sup>3</sup> /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/100m <sup>2</sup> 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.

# Flexit SAT LVEC 100

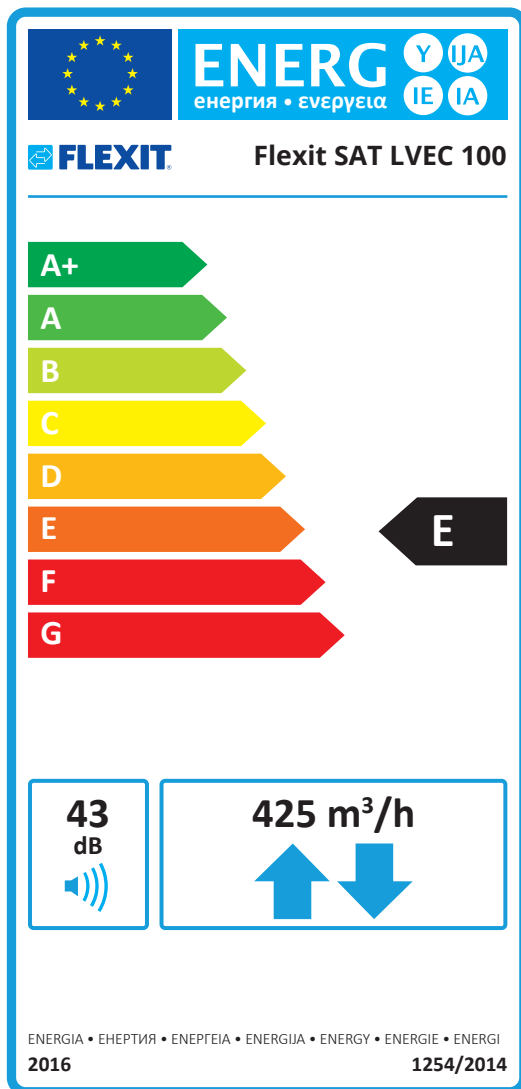
• WITH MANUAL CONTROL

CTRL 1,0

## MANUAL CONTROL

Accessories: Control panel SAT EC + force timer + humidistat

Result: Increased air flow for whole building



**ENERG**  
енергия • ενεργεια

**FLEXIT** Flexit SAT LVEC 100

**A+**  
**A**  
**B**  
**C**  
**D**  
**E** **E**  
**F**  
**G**

**43**  
dB

**425 m³/h**

ENERGIA • ЕНЕРГИЯ • ΕΝΕΡΓΕΙΑ • ENERGIJA • ENERGY • ENERGIE • ENERGI  
2016 **1254/2014**

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/m <sup>2</sup> and years Average -13,7 kWh/m <sup>2</sup> and years Warm -4,3 kWh/m <sup>2</sup> 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 m <sup>3</sup> /h (0,1181 m <sup>3</sup> /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 m <sup>3</sup> /s (297 m <sup>3</sup> /h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,111 W/(m <sup>3</sup> /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:	<a href="http://www.flexit.com">www.flexit.com</a>
s)	Pre-/dis-assembly instructions:	<a href="http://www.flexit.com">www.flexit.com</a>
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/100m <sup>2</sup> 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.

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.

# Flexit SAT LVEC 125

• WITH LOCAL DEMAND CONTROL

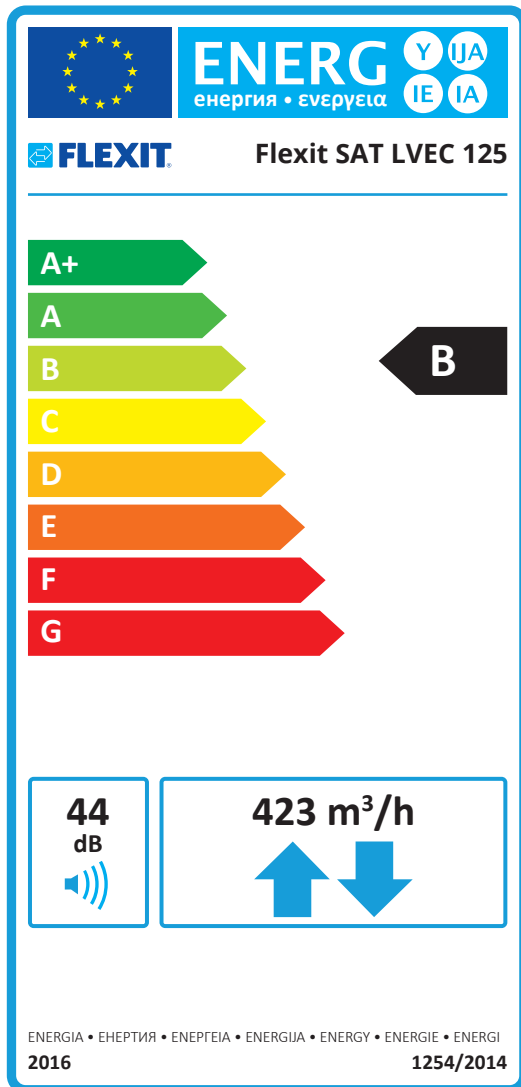
CTRL 0,65

## LOCAL DEMAND CONTROL

Sensor control for different zones

**Accessories:** Control panel + controller + pressure sensor + CO<sub>2</sub>-sensor/humidistat + damper

**Result:** Increased air flow rate in zones that need it



**ENERG** Y U A  
енергия • ενεργεια IE IA

**FLEXIT** Flexit SAT LVEC 125

**A+**  
**A**  
**B** ←  
**C**  
**D**  
**E**  
**F**  
**G**

**44 dB**  
**423 m<sup>3</sup>/h**

ENERGIA • ЕНЕРГИЯ • ΕΝΕΡΓΕΙΑ • ENERGIJA • ENERGY • ENERGIE • ENERGI  
2016 1254/2014

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/m <sup>2</sup> and years Average -26,8 kWh/m <sup>2</sup> and years Warm -11,3 kWh/m <sup>2</sup> 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 m <sup>3</sup> /h (0,1175 m <sup>3</sup> /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 m <sup>3</sup> /s (296 m <sup>3</sup> /h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,115 W/(m <sup>3</sup> /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/100m <sup>2</sup> 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.

# Flexit SAT LVEC 125

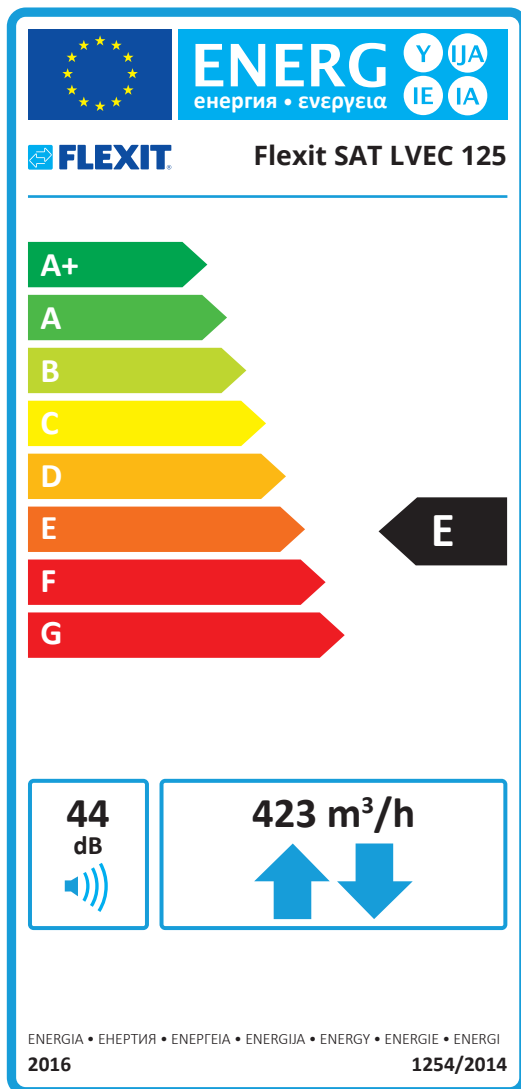
• WITH MANUAL CONTROL

CTRL 1,0

## MANUAL CONTROL

Accessories: Control panel SAT EC + force timer + humidistat

Result: Increased air flow for whole building



**ENERG**  
енергия • ενεργεια

**FLEXIT** Flexit SAT LVEC 125

**A+**  
**A**  
**B**  
**C**  
**D**  
**E** **E**  
**F**  
**G**

**44**  
dB

**423 m³/h**

ENERGIA • ЕНЕРГИЯ • ΕΝΕΡΓΕΙΑ • ENERGIJA • ENERGY • ENERGIE • ENERGI  
2016 **1254/2014**

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/m <sup>2</sup> and years Average -13,6 kWh/m <sup>2</sup> and years Warm -4,2 kWh/m <sup>2</sup> 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 m <sup>3</sup> /h (0,1175 m <sup>3</sup> /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 m <sup>3</sup> /s (297 m <sup>3</sup> /h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,111 W/(m <sup>3</sup> /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/100m <sup>2</sup> 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.

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.

# Flexit SAT SVEC R 125

• WITH LOCAL DEMAND CONTROL

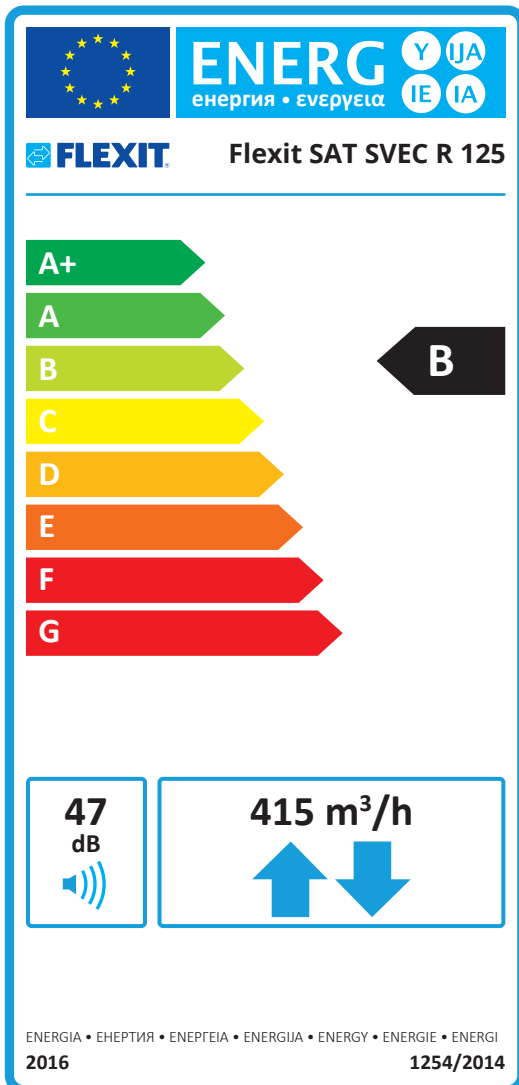
CTRL 0,65

## LOCAL DEMAND CONTROL

Sensor control for different zones

**Accessories:** Control panel + controller + pressure sensor + CO<sub>2</sub>-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/m <sup>2</sup> and years Average -26,8 kWh/m <sup>2</sup> and years Warm -11,3 kWh/m <sup>2</sup> 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 m <sup>3</sup> /h (0,1153 m <sup>3</sup> /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 m <sup>3</sup> /s (290 m <sup>3</sup> /h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,117 W/(m <sup>3</sup> /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/100m <sup>2</sup> 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.

# Flexit SAT SVEC R 125

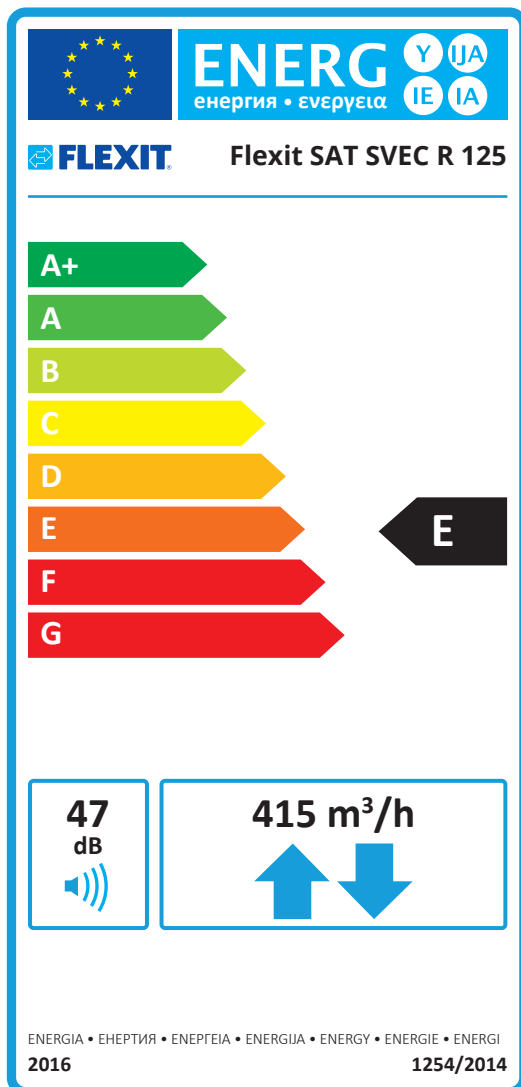
• WITH MANUAL CONTROL

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/m <sup>2</sup> and years Average -13,5 kWh/m <sup>2</sup> and years Warm -4,1 kWh/m <sup>2</sup> 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 m <sup>3</sup> /h (0,1153 m <sup>3</sup> /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 m <sup>3</sup> /s (290 m <sup>3</sup> /h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,117 W/(m <sup>3</sup> /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/100m <sup>2</sup> 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.

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.

# Flexit SAT SVEC C 125

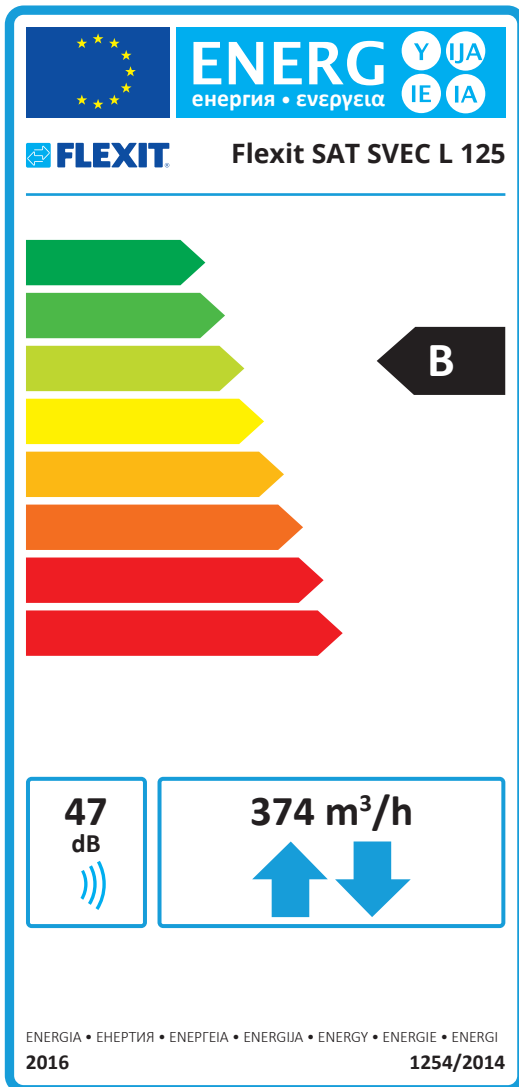
• WITH LOCAL DEMAND CONTROL

CTRL 0,65

## LOCAL DEMAND CONTROL

Sensor control for different zones

**Accessories:** Control panel + controller + pressure sensor + CO<sub>2</sub>-sensor/humidistat + damper

**Result:** Increased air flow rate in zones that need it


a)	Name or trade mark:	Flexit
b)	Model identifier:	SVEC C 125 Art.nr. 121165
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/m <sup>2</sup> and years Average -26,7 kWh/m <sup>2</sup> and years Warm -11,2 kWh/m <sup>2</sup> 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 m <sup>3</sup> /h (0,1039 m <sup>3</sup> /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 m <sup>3</sup> /s (262 m <sup>3</sup> /h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,122 W/(m <sup>3</sup> /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/100m <sup>2</sup> 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.

# Flexit SAT SVEC C 125

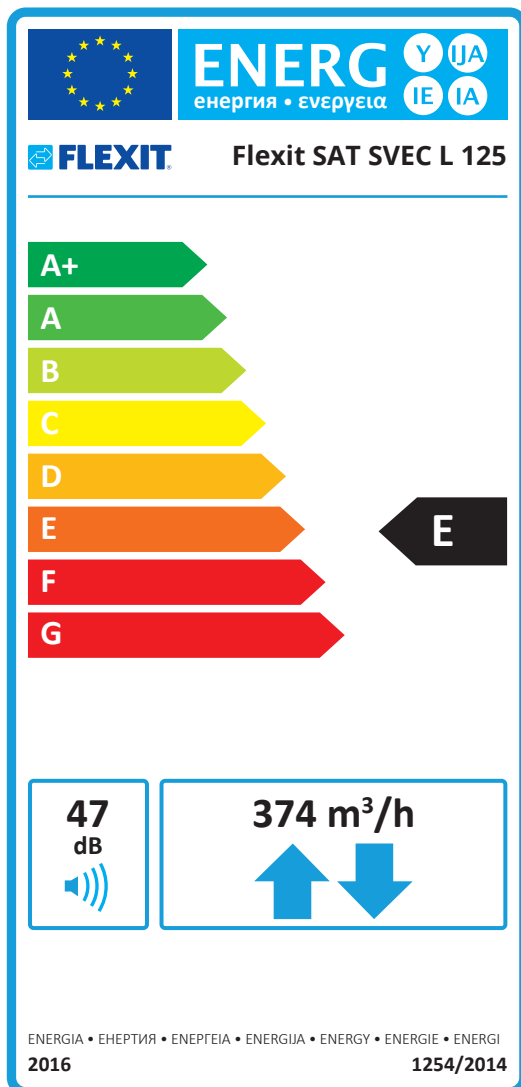
• WITH MANUAL CONTROL

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 C 125 Art.nr. 121165
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/m <sup>2</sup> and years Average -13,3 kWh/m <sup>2</sup> and years Warm -3,9 kWh/m <sup>2</sup> 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 m <sup>3</sup> /h (0,1039 m <sup>3</sup> /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 m <sup>3</sup> /s (262 m <sup>3</sup> /h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,122 W/(m <sup>3</sup> /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/100m <sup>2</sup> 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.

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.



# Flexit SAT KVEC 125

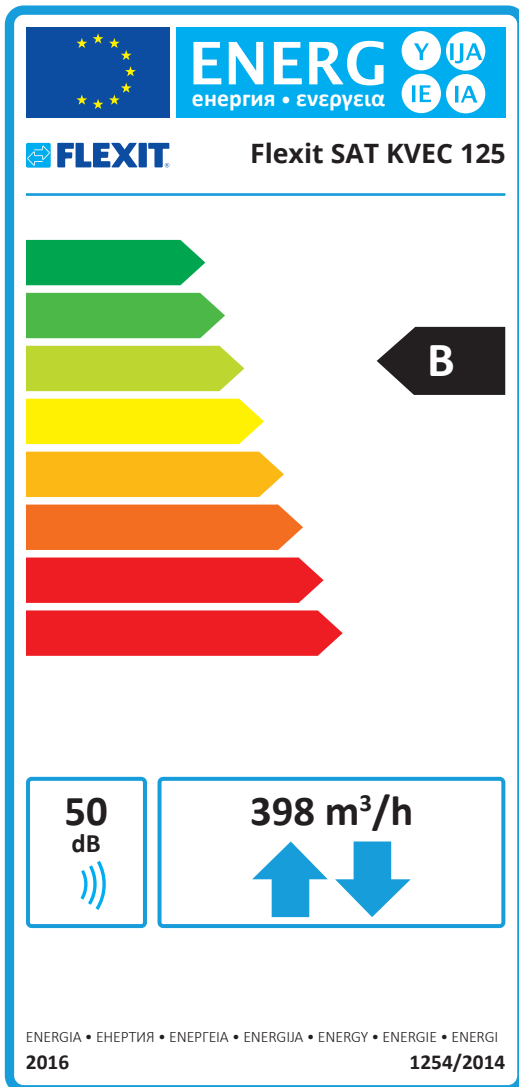
• WITH LOCAL DEMAND CONTROL

CTRL 0,65

## LOCAL DEMAND CONTROL

Sensor control for different zones

**Accessories:** Control panel + controller + pressure sensor + CO<sub>2</sub>-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/m <sup>2</sup> and years Average -26,7 kWh/m <sup>2</sup> and years Warm -11,2 kWh/m <sup>2</sup> 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 m <sup>3</sup> /h (0,1106 m <sup>3</sup> /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 m <sup>3</sup> /s (279 m <sup>3</sup> /h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,122 W/(m <sup>3</sup> /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/100m <sup>2</sup> 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.

# Flexit SAT KVEC 125

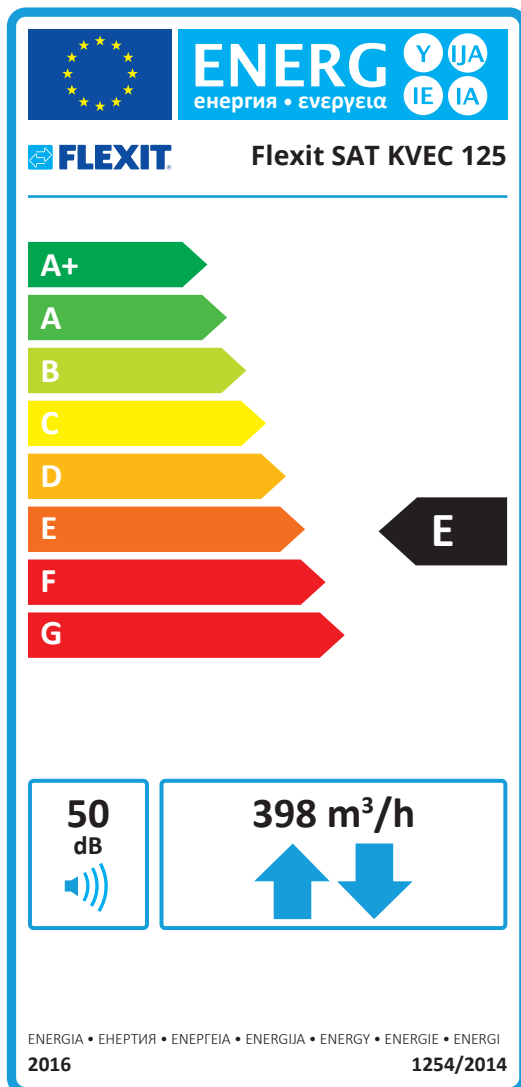
• WITH MANUAL CONTROL

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/m <sup>2</sup> and years Average -13,3 kWh/m <sup>2</sup> and years Warm -3,9 kWh/m <sup>2</sup> 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 m <sup>3</sup> /h (0,1106 m <sup>3</sup> /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 m <sup>3</sup> /s (279 m <sup>3</sup> /h)
l)	Reference pressure difference:	50 Pa
m)	Specific Power Input (SPI):	0,122 W/(m <sup>3</sup> /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:	<a href="http://www.flexit.com">www.flexit.com</a>
s)	Pre-/dis-assembly instructions:	<a href="http://www.flexit.com">www.flexit.com</a>
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/100m <sup>2</sup> 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.

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.





Flexit AS, Moseveien 8, N-1870 Ørje  
[www.flexit.com](http://www.flexit.com)