EXPORT (en)

NATURAL WINDOW VENTILATION

Self-regulating, Sound absorbing & Fire-resistant Ventilation

STAY UP-TO-DATE !

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DUCO

HOME OF OXYGEN

DUCO Ventilation & Sun Control provides every building with a healthy supply of oxygen. With a comprehensive range of innovative natural and mechanical ventilation systems, either combined with external solar shading or otherwise, DUCO offers the ultimate guarantee of a healthy and comfortable indoor climate. The occupant's health is, therefore, central to DUCO. A well-thought-out combination of basic ventilation, mechanical extraction, purge ventilation and solar shading ensures optimum air quality. DUCO provides an innovative solution for residential buildings, offices, schools or care centres where everyone feels at home.

DUCO, Home of Oxygen

DUCO

A SOLUTION FOR **EVERY SITUATION**

→ Smart design

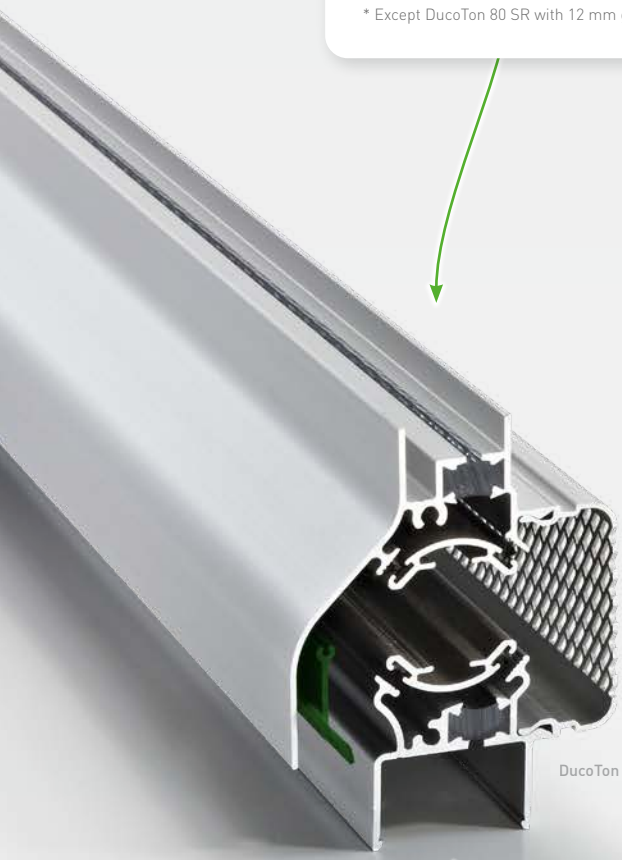
Compact window ventilator made of aluminium profiles. DUCO's window ventilators feature a **thermal break***.

* Except DucoTon 80 SR with 12 mm glazing channel

→ Finish

Each type of window ventilator in this leaflet meets the **Qualicoat (** per 01/01/2020 standard **Qualicoat Seaside-A**) and **Qualanod***quality specifications and is available in **DAR, any RAL colour and/or in 'Bi-Color'***.

* Deviates per product. See technical specification table.



DucoTon 80 SR

→ Inner grid

Easy to clean thanks to **easily removable inner grid**.

TopVent BE SR (AK+)

→ For thick glazing units too

Glass-fitted window ventilators available for glass thicknesses **from 6 to 58 mm***.

* See page 49 for a summary by product.

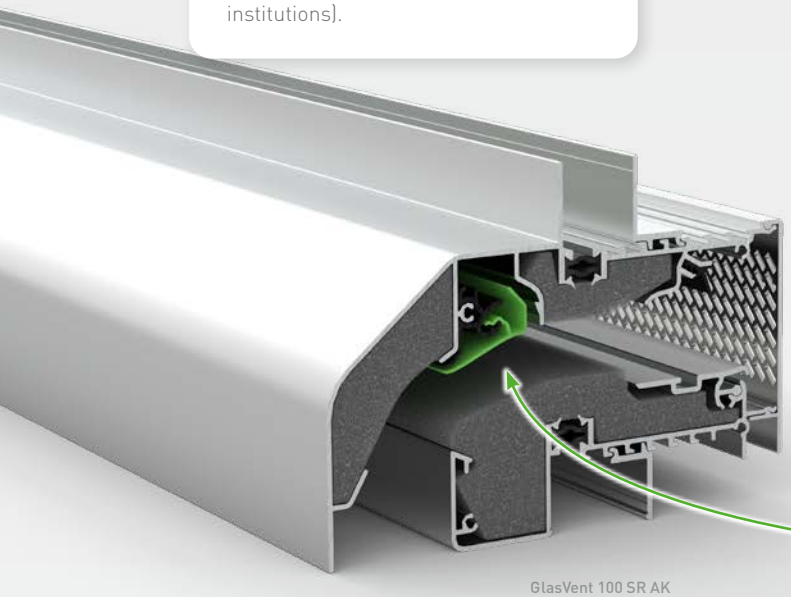
→ Any building situation

Suitable for **new build and renovation projects** in both the residential and non-residential construction industry (offices, schools and healthcare institutions).

→ Any type of window

Easy to fit combined with timber windows as well as sliding windows in plastic, aluminium and steel. The window ventilators can even be **preinstalled in the factory** in many cases.

wood | aluminium | PVC | steel



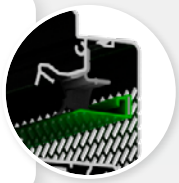
GlasVent 100 SR AK

→ Fire-resistant

The FireMax SR is the fire-resistant version among window ventilators.

→ SR flap

The mechanical self-regulating flap **prevents annoying drafts** and achieves energy savings.

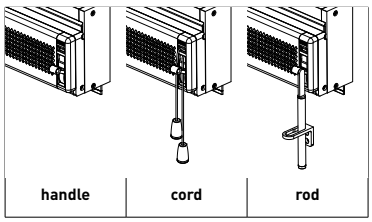


→ High-rise

The SkyMax SR and SkyVent BE/CK SR can be applied **at up to 70 m** height.

→ Operation

Simple operation by handle / cord / rod or hand.



DucoMax SR / SkyMax SR

→ Sound absorption

Sustainable sound absorbing material ensures **acoustic comfort** and does not cause complaints due to allergies.

PRODUCT OVER-VIEW

STANDARD WINDOW VENTILATORS

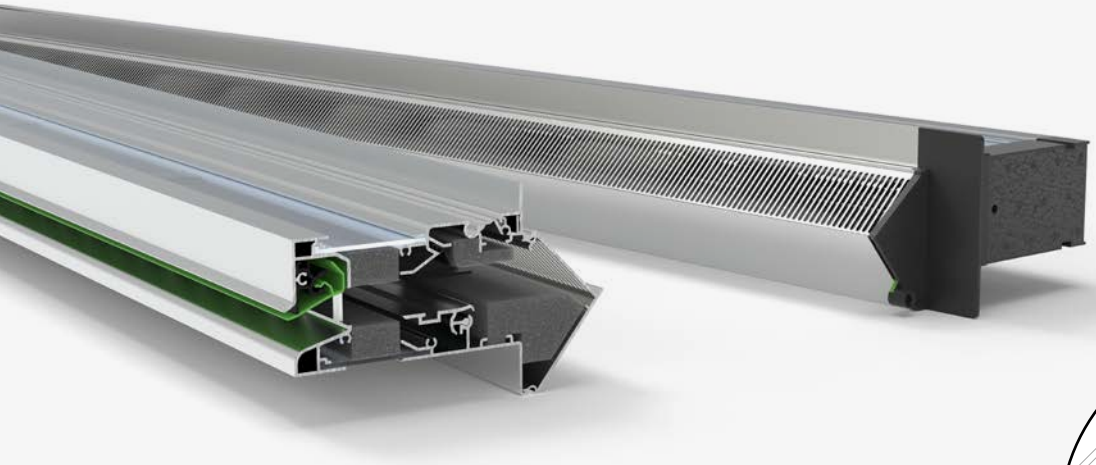
		Airtightness closed position	POSSIBLE INSTALLATION SITUATIONS: Fitting over **glass**	**Transom mounting**	Mounting on top of the **window frame**	**Invisible mounting** on the window frame (= compact transom mounting)	
	**TopVent CK SR** Aesthetic window ventilator	600 Pa Class 4	✗	✗	✗	✓	see p. 8
	**SkyVent CK SR** For high-rise buildings	600 Pa Class 4	✗	✗	✗	✓	see p. 10
	**TopVent BE SR** Invisible ventilation	600 Pa Class 4	✗	✗	✓	✗	see p. 12
	**SkyVent BE SR** For high-rise buildings	600 Pa Class 4	✗	✗	✓	✗	see p. 14
	**DucoPlus 45** Minimum subtraction of glass height	450 Pa Class 2	✓	✗	✗	✗	see p. 16
	**DucoPlus 60** Compact vent	650 Pa Class 3	✓	✗	✗	✗	see p. 18
	**DucoTon 80 SR** Timeless classic	650 Pa Class 3	✓	✓	✗	✗	see p. 20
	**DucoKlep 80 SR** Flat inner grid	450 Pa Class 2	✓	✓	✗	✗	see p. 22
	**DucoLine 80 SR** Available with three different air passages	450 Pa Class 2	✓	✓	✗	✗	see p. 24
	**DucoFlat 80 SR** Completely flat window vent	650 Pa Class 3	✓	✓	✗	✗	see p. 26
	**DucoStrip** Aluminium slot ventilator	300 Pa Class 2	Through the frame				see p. 28

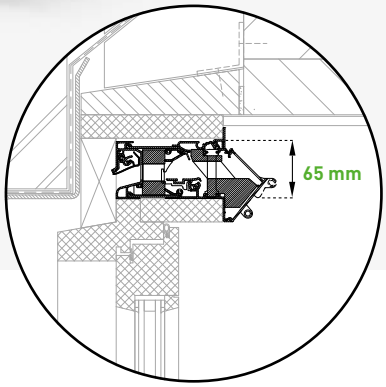
Legend

- **Light sound attenuation** — Can be used in projects with **light** noise exposure
- **Heavy sound attenuation** — Can be used in projects with **heavy** noise exposure
- **Fire-resistant window ventilator**

SOUND ABSORBING VENTS

			POSSIBLE INSTALLATION SITUATIONS				
		Airtightness closed position	Fitting over **glass**	**Transom mounting**	Mounting on top of the **window frame**	**Invisible mounting** on the window frame (= compact transom mounting)	
	**TopVent CK SR AK(+)** Aesthetic window ventilator	600 Pa Class 4	✗	✗	✗	✓	see p. 8
	**SkyVent CK SR AK(+)** For high-rise buildings	600 Pa Class 4	✗	✗	✗	✓	see p. 10
	**TopVent BE SR AK(+)** Invisible ventilation	600 Pa Class 4	✗	✗	✓	✗	see p. 12
	**SkyVent BE SR AK(+)** For high-rise buildings	600 Pa Class 4	✗	✗	✓	✗	see p. 14
	**DucoStrip Acoustic** Sound absorbing aluminium slot ventilator	300 Pa Class 2	Through the frame				see p. 30
	**GlasVent 100 SR AK** Acoustic ventilator	600 Pa Class 3	✓	✓	✗	✗	see p. 32
	**FireMax EW SR** Fire-resistant	600 Pa Class 3	✓ EW30	✗	✗	✓ EW90	see p. 34
	**FireMax EI SR** Fire-resistant and insulating	600 Pa Class 3	✓	✗	✗	✗	see p. 36
	**MiniMax SR** 'Invisible' mounting	600 Pa Class 3	✗	✓	✗	✓	see p. 38
	**DucoMax SR** Superior sound absorption	600 Pa Class 2	✓	✓	✓	✓ or mounting through (outside) wall	see p. 42
	**SkyMax SR** For high-rise buildings	600 Pa Class 2	✓	✓	✗	✓ or mounting through (outside) wall	see p. 42
	**DucoMax SR HD** For pitched roofs	600 Pa Class 2	Mounting through pitched roof				see p. 44
	**Silenzio SR** Design wall damper	300 Pa Class 2	Fitting through the (outer) wall				see p. 46





'Invisible'
compact transom mounting

TopVent CK SR (AK+)

Aesthetic window ventilator for compact transom mounting

TopVent CK SR (AK+) is a **self-regulating** window ventilator that can be quickly and easily installed **behind the outer cavity wall**, making it invisible from the outside. The aesthetic appearance of the TopVent CK ZR (AK+) is enhanced by the invisible punching. The upward airflow guarantees a healthy and comfortable indoor climate.

The window ventilator has the highest airtightness class. Besides the standard window ventilator, there are also 2 variants with acoustic damping (up to 40 dB with AK+).

- → Optimum aesthetics thanks to **'invisible' punching**
- → Mounting on **any type of window** (wood, aluminium, plastic or steel)
- → **Upward** airflow for a healthy and comfortable indoor climate
- → Acoustic **damping up to 40 dB**

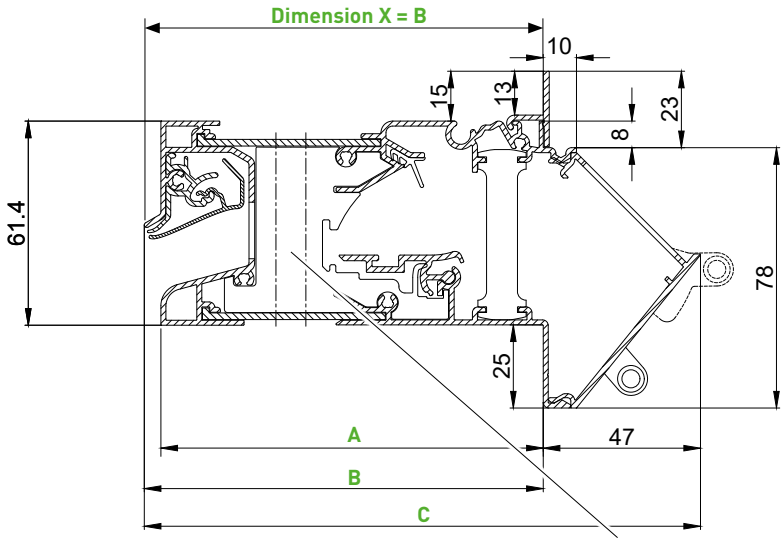
	Medio	Alto	Largo
U-value	3,59	3,18	3,04
Airtightness class closed position	Class 4		
Airtightness closed position	600		
Watertightness class closed position	E1350		
Watertightness closed position	1350		

Standards: consult the table on page 64.

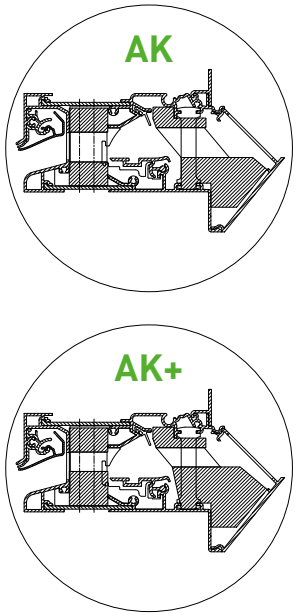
up to **40 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

→ TopVent CK SR (AK+)



optional sound absorbing material
for **AK** / **AK+** version



FITTING DEPTHS

Version	Dimensions (see drawing)		
	A	B	C
Medio	115	120	167
Alto	165	170	217
Largo	215	220	267

→ Ventilation values

Type TopVent CK SR	Airflow (Q) in l/s/m at...				Airflow (Q) in m³/h/m at...				Equivalent area at 1 Pa in mm²/m	Geometrical Free Area in mm²/m
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa		
STD	12,3	17,3	20,7	22,6	44,2	62,2	74,6	81,5	15616,1	17000
AK	12,6	19,2	19,3	19,0	45,4	69,0	69,4	68,3	16040,1	17000
AK+	7,6	10,4	11,8	13,9	27,3	37,3	42,4	50,1	9645,2	12000

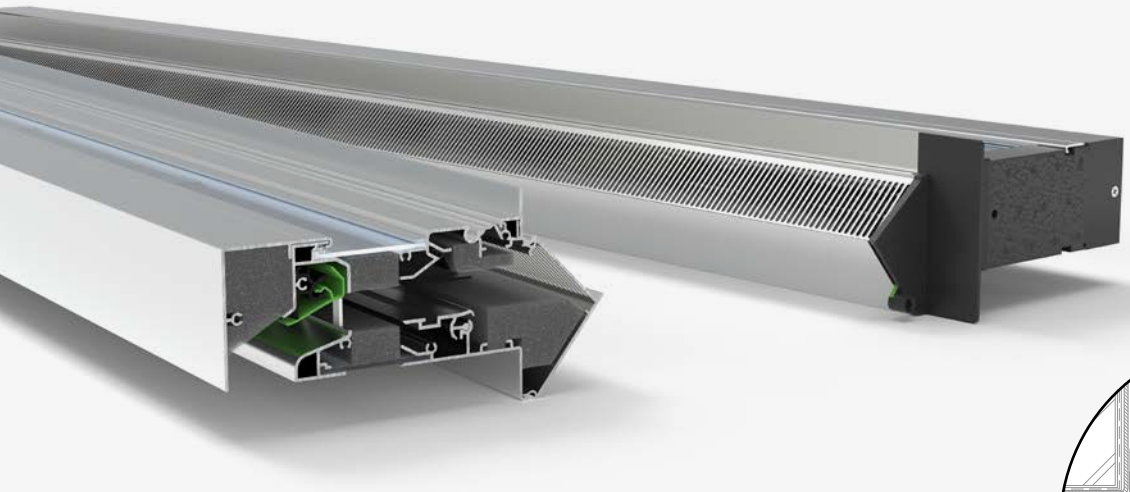
* According to EN ISO 717

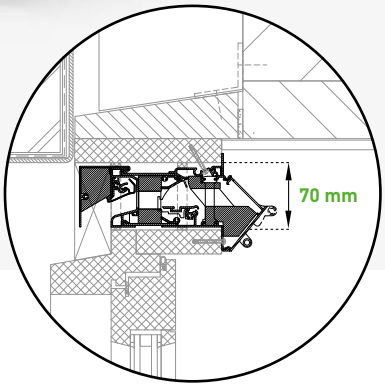
→ Sound reduction

Type TopVent CK SR	Sound absorption $D_{n,e,}W (C;C_{tr})^*$ in dB					
	OPEN position			CLOSED position		
	Medio	Alto	Largo	Medio	Alto	Largo
STD	28 (0;-1)			48 (-1;-2)		
AK	33 (-1;-2)	35 (-1;-2)	37 (-1;-2)	51 (-1;-3)	55 (0;-3)	54 (0;-3)
AK+	36 (-2;-3)	38 (-1;-3)	40 (0;-2)	52 (-1;-3)	56 (-1;-4)	59 (-1;-5)

* According to EN ISO 717

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58
→ **Full specifications:** see page 64





Visible
compact transom mounting

SkyVent CK SR (AK+)

High-rise window ventilator for compact transom mounting

The **SkyVent CK (AK+)** offers the same advantages and values as the TopVent CK SR (AK+), but is additionally equipped with an **aluminium outer profile** for maximum **maximum wind and water tightness**. As a result, the SkyVent CK (AK+) is **applicable at greater heights** with both visible (= discreet) and invisible mounting.

- → For high-rise buildings: **up to 70 m high!**
- → 'High performance' ventilation
- → Aesthetic outer cover
- → Highest class of wind- and watertightness

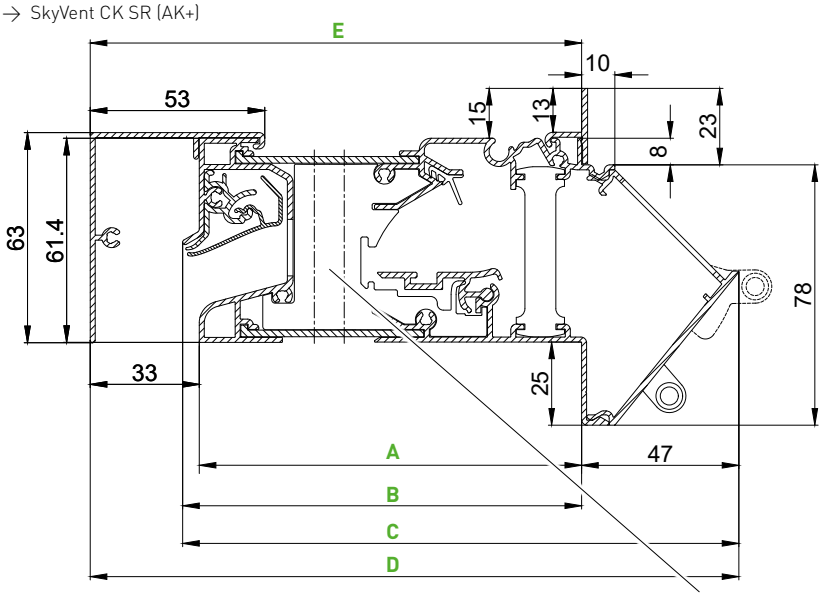
	Medio	Alto	Largo
U-value	3,59	3,18	3,04
Airtightness class closed position	Class 4		
Airtightness closed position	600		
Watertightness class closed position	E1350		
Watertightness closed position	1350		

Standards: consult the table on page 64.

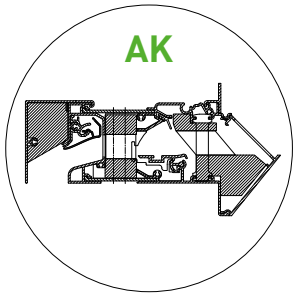
up to **70 m**

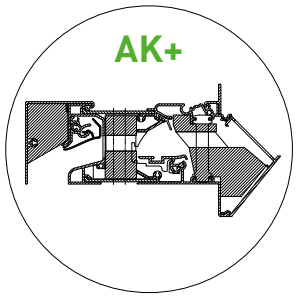
Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

→ SkyVent CK SR (AK+)



optional sound absorbing material
for **AK** / **AK+** version





FITTING DEPTHS

Version	Dimensions (see drawing)				
	A	B	C	D	E
Medio	115	120	167	195	148
Alto	165	170	217	245	198
Largo	215	220	267	295	248

→ Ventilation values

Type SkyVent CK SR	Airflow (Q) in l/s/m at...				Airflow (Q) in m³/h/m at...				Equivalent area at 1 Pa in mm²/m	Geometrical Free Area in mm²/m
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa		
STD	12,3	17,3	20,7	22,6	44,2	62,2	74,6	81,5	15616,1	17000
AK	12,6	19,2	19,3	19,0	45,4	69,0	69,4	68,3	16040,1	17000
AK+	7,6	10,4	11,8	13,9	27,3	37,3	42,4	50,1	9645,2	12000

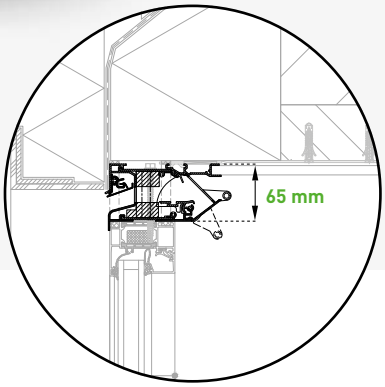
* According to EN ISO 717

→ Sound reduction

Type SkyVent CK SR	Sound absorption $D_{n,e,}W (C;C_{tr})^*$ in dB					
	OPEN position			CLOSED position		
	Medio	Alto	Largo	Medio	Alto	Largo
STD	28 (0;-1)			48 (-1;-2)		
AK	33 (-1;-2)	35 (-1;-2)	37 (-1;-2)	51 (-1;-3)	55 (0;-3)	54 (0;-3)
AK+	36 (-2;-3)	38 (-1;-3)	40 (0;-2)	52 (-1;-3)	56 (-1;-4)	59 (-1;-5)

* According to EN ISO 717

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58 → **Full specifications:** see page 64



Mounting **on top of the window frame**

TopVent BE SR (AK+)

Compact & aesthetic

The aesthetic appearance of the **TopVent BE ZR (AK+)** is enhanced by the **invisible punching**. The upward airflow guarantees a healthy and comfortable indoor climate. The vent guarantees quick installation, high stability on the window and the **highest airtightness class**. The top is transparent and features pre-drilled glass fibre-reinforced ties. The anchor channel at the top provides a rapid and secure fixing to the solid structure.

A variant was specifically designed for the UK in line with current regulations: the **TopVent UK**. Here the internal ventilation flap is limited to the equivalent area of 5000, 7500 or 10000 mm². This is always performed in a sound absorbing AK version.

- → Optimum aesthetics thanks to **'invisible' punching**
- → Suitable for fitting on **any window section**: depths from 60 to 215 mm
- → Only **60 mm grille height**
- → **Plastic thermal bridge** top and bottom

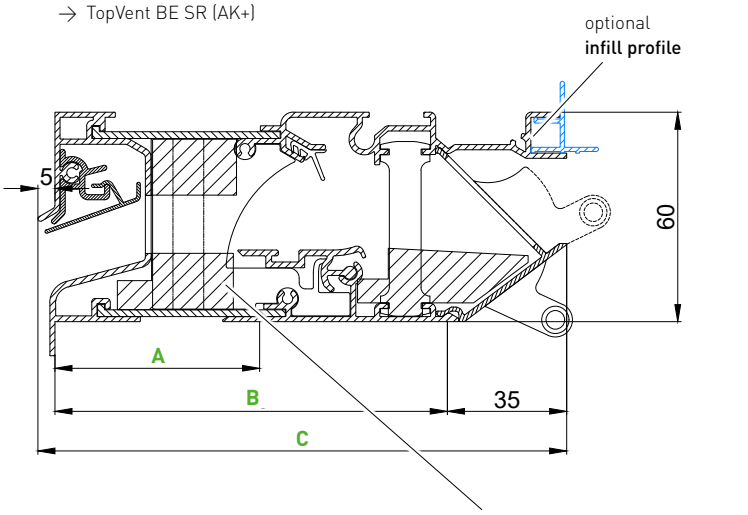
	Corto	Medio	Alto	Largo
U-value	4,14	4,12	3,60	3,42
Airtightness class closed position	Class 4			
Airtightness closed position	600			
Watertightness class closed position	E1350			
Watertightness closed position	1350			

Standards: consult the table on page 64.

up to **40 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

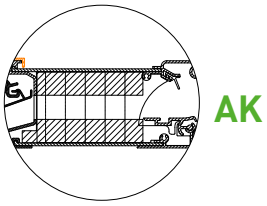
→ TopVent BE SR (AK+)



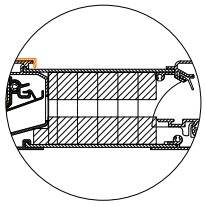
FITTING DEPTHS

Version	Dimensions (see drawing)		
	A	B	C
Corto	60	85	125
Medio	60	115	155
Alto	110*	165	205
Largo	160*	215	255

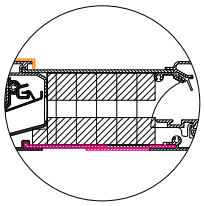
* Also applicable from 60 mm with extended bottom profile.



AK



AK+



Extended bottom section

→ Ventilation values

Type TopVent BE SR	Airflow (Q) in l/s/m at...				Airflow (Q) in m³/h/m at...				Equivalent area at 1 Pa in mm²/m	Geometrical Free Area in mm²/m
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa		
STD	12,2	18,1	21,9	21,9	43,9	69,0	83,0	78,9	15517,2	17000
AK	12,2	18,1	21,9	21,9	43,9	69,0	83,0	78,9	15517,2	17000
AK+	8,3	12,5	15,8	13,9	29,9	48,0	58,0	49,9	10556,8	12000
UK **AK** EA5000	4,0	5,9	7,2	7,2	14,4	21,3	25,9	25,9	5600	17000
UK **AK** EA7500	5,9	8,7	10,6	10,6	21,2	31,4	38,2	38,2	8200	17000
UK **AK** EA10000	7,9	11,7	14,2	14,2	28,4	42,1	51,2	51,1	11000	17000

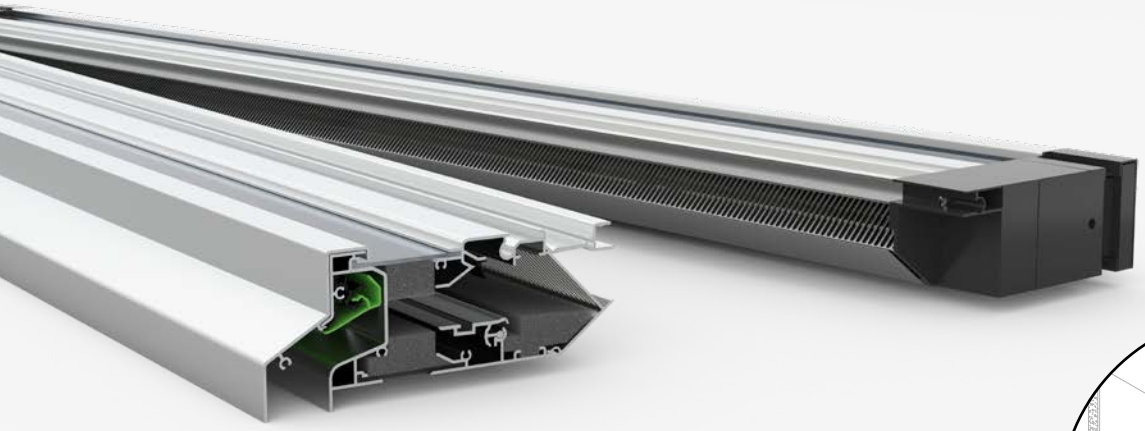
* According to EN ISO 717

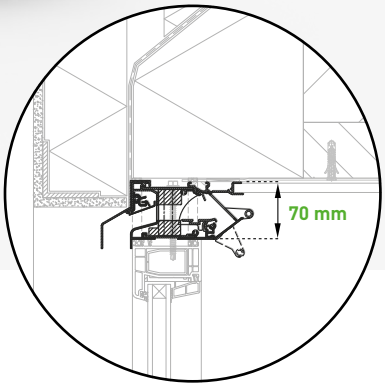
→ Sound reduction

Type TopVent BE SR	Sound absorption $D_{n,e,}W (C;C_{tr})^*$ in dB							
	OPEN position				CLOSED position			
	Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo
STD	31 (-1;-2)				43 (0;-1)	47 (0;-2)	47 (0;-2)	47 (0;-2)
AK	33 (0;-1)	34 (0;-2)	36 (-1;-2)	37 (0;-2)	43 (0;-1)	52 (-1;-3)	55 (0;-3)	56 (-1;-4)
AK+	✕	✕	38 (-1;-3)	40 (0;-2)	✕	✕	55 (0;-3)	56 (-1;-4)
UK **AK** EA5000	38 (0;-1)	40 (-1;-2)	41 (-1;-2)	43 (0;-2)	53 (0;-2)	52 (-1;-3)	54 (-1;-4)	58 (-1;-4)
UK **AK** EA7500	36 (0;-1)	38 (-1;-2)	40 (-1;-2)	41 (-1;-2)	52 (0;-2)	52 (-1;-3)	54 (-1;-3)	58 (-1;-4)
UK **AK** EA10000	35 (0;-1)	36 (0;-2)	38 (-1;-2)	39 (0;-2)	51 (0;-1)	52 (-1;-3)	54 (-1;-3)	58 (-1;-4)

* According to EN ISO 717

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58
→ **Full specifications:** see page 64





Mounting **on top of the window frame**

SkyVent BE SR (AK+)

For high-rise buildings up to 70 meters!

The **SkyVent BE SR (AK+)** offers the same advantages and values as the TopVent BE SR (AK+), but is additionally equipped with an aluminium outer profile for a **maximum wind and water tightness**. As a result, the SkyVent BE ZR (AK+) is applicable at greater heights (up to 70 metres) with both visible (= discreet) and invisible mounting.

Specifically for the UK, a variant was tailored to the applicable regulations: the **SkyVent UK**. Here the internal ventilation flap is limited to the equivalent area of 5000, 7500 or 10000 mm². This is always performed in a sound absorbing AK version.

- → For high-rise buildings: **up to 70m high!**
- → **High performance** ventilation
- → Aesthetic outer cover
- → **Highest class of** wind- and watertightness

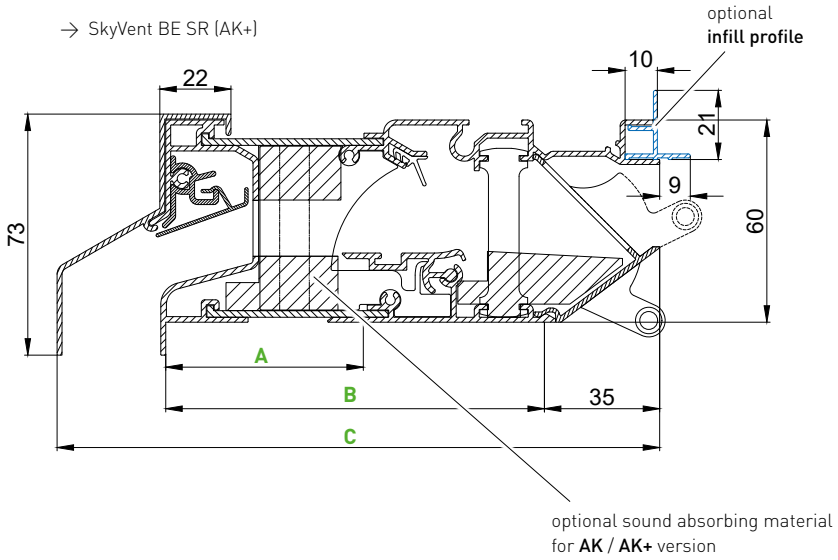
	Corto	Medio	Alto	Largo
U-value	4,14	4,12	3,60	3,42
Airtightness class closed position	Class 4			
Airtightness closed position	600			
Watertightness class closed position	E1350			
Watertightness closed position	1350			

Standards: consult the table on page 64.

up to **70 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

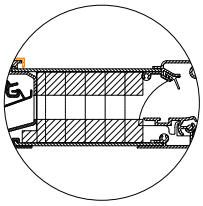
→ SkyVent BE SR (AK+)



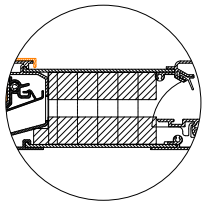
FITTING DEPTHS

Version	Dimensions (see drawing)		
	A	B	C
Corto	60	85	153
Medio	60	115	183
Alto	110*	165	233
Largo	160*	215	283

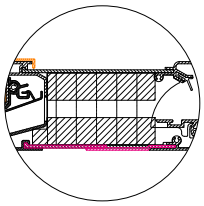
* Also applicable from 60 mm with extended bottom profile.



AK



AK+



Extended bottom section

→ Ventilation values

Type SkyVent BE SR	Airflow (Q) in l/s/m at...				Airflow (Q) in m³/h/m at...				Equivalent area at 1 Pa in mm²/m	Geometrical Free Area in mm²/m
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa		
STD	12,2	18,1	21,9	21,9	43,9	69,0	83,0	78,9	15517,2	17000
AK	12,2	18,1	21,9	21,9	43,9	69,0	83,0	78,9	15517,2	17000
AK+	8,3	12,5	15,8	13,9	29,9	48,0	58,0	49,9	10556,8	12000
UK AK EA5000	4,0	5,9	7,2	7,2	14,4	21,3	25,9	25,9	5600	17000
UK AK EA7500	5,9	8,7	10,6	10,6	21,2	31,4	38,2	38,2	8200	17000
UK AK EA10000	7,9	11,7	14,2	14,2	28,4	42,1	51,2	51,1	11000	17000

* According to EN ISO 717

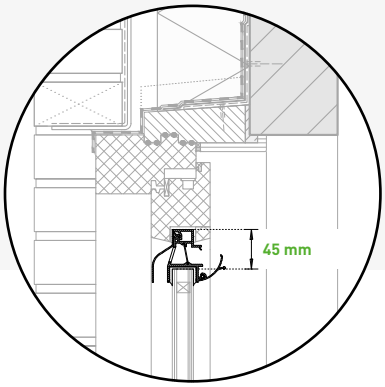
→ Sound reduction

Type SkyVent BE SR	Sound absorption $D_{n,e,W}$ (C;C_{tr})* in dB							
	OPEN position				CLOSED position			
	Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo
STD	31 (-1;-2)				43 (0;-1)	47 (0;-2)	47 (0;-2)	47 (0;-2)
AK	33 (0;-1)	34 (0;-2)	36 (-1;-2)	37 (0;-2)	43 (0;-1)	52 (-1;-3)	55 (0;-3)	56 (-1;-4)
AK+	✕	✕	38 (-1;-3)	40 (0;-2)	✕	✕	55 (0;-3)	56 (-1;-4)
UK AK EA5000	38 (0;-1)	40 (-1;-2)	41 (-1;-2)	43 (0;-2)	53 (0;-2)	52 (-1;-3)	54 (-1;-4)	58 (-1;-4)
UK AK EA7500	36 (0;-1)	38 (-1;-2)	40 (-1;-2)	41 (-1;-2)	52 (0;-2)	52 (-1;-3)	54 (-1;-3)	58 (-1;-4)
UK AK EA10000	35 (0;-1)	36 (0;-2)	38 (-1;-2)	39 (0;-2)	51 (0;-1)	52 (-1;-3)	54 (-1;-3)	58 (-1;-4)

* According to EN ISO 717

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58
→ **Full specifications:** see page 64

Independently tested by **BRE**



Fitting over **glass**

Duco**Plus** 45

Minimum subtraction of glass height

DucoPlus **45** is a controllable, aluminium glazed-in window ventilator featuring a curved cover that guarantees superior weatherability. The operable inner cover directs the flow of incoming air upwards.

- Subtraction of glass height of just **45 mm**
- **Thermal** break
- **Insect-resistant**

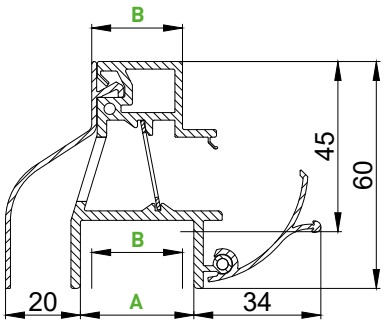
U-value	1,84
Airtightness class closed position	Class 2
Airtightness closed position	450
Watertightness class closed position	E900
Watertightness closed position	900
Subtraction of glass height	45 mm

Standards: consult the table on page 64.

up to **20 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

→ DucoPlus 45
fitting over glass



VERSIONS WITH GLAZING CHANNELS

	Dimensions (mm)		
Glazing channel (A)	30	34	38
Glass thickness* (B)	24	28	32

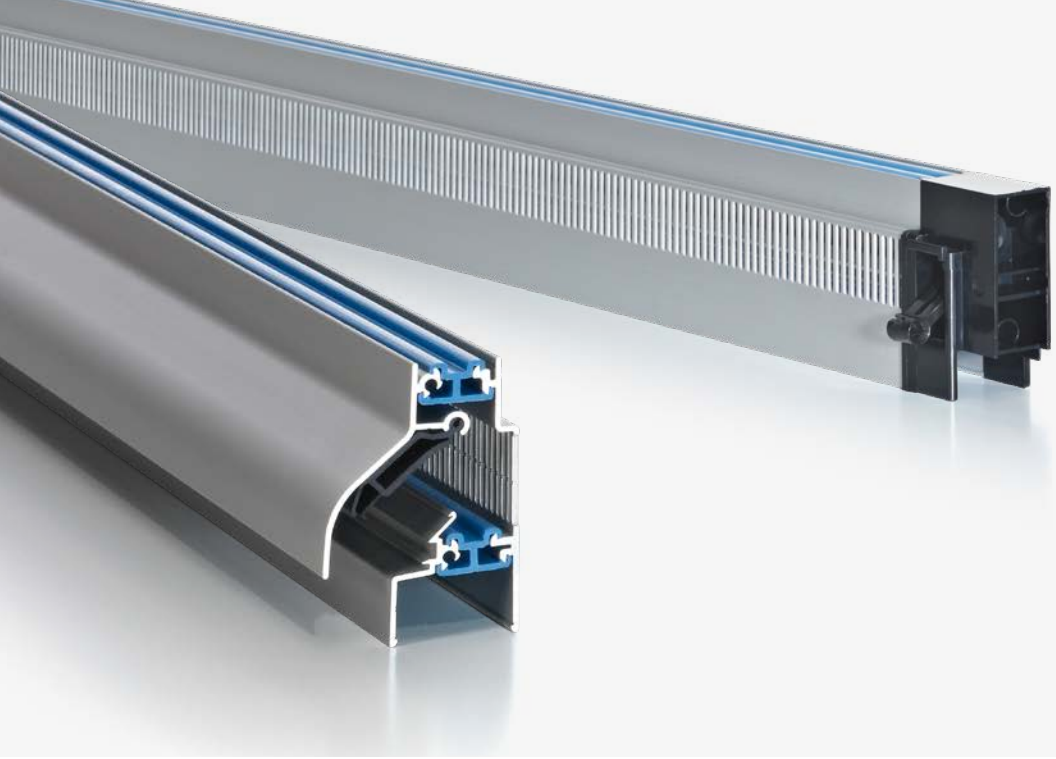
* The specified glass thickness is applicable to (DUCO) glazing rubbers. For sealants, min. 4 to max. 8 mm should be provided between glass thickness and glazing channel.

→ Ventilation and sound reduction performance

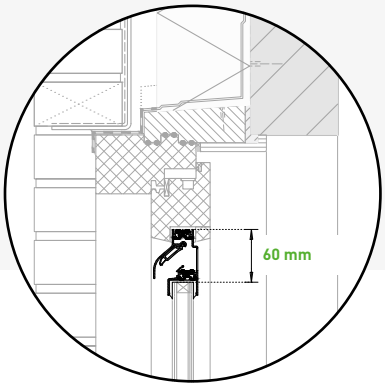
Type	Airflow (Q) in l/s/m at...				Airflow (Q) in m³/h/m at...				Equivalent area at 1 Pa in mm²/m	Geometrical Free Area in mm²/m	Sound absorption $D_{n,e,}W (C;C_{tr})^*$ in dB	
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa			OPEN position	CLOSED position
DucoPlus 45	7,1	10,03	22,5	32,0	25,56	36,1	81,0	115,1	8980	10000	25 (0;0)	41 (-1;-2)

* According to EN ISO 717

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58
→ **Full specifications:** see page 64



Independently tested by **BRE**



Fitting over **glass**

Duco**Plus** 60

Compact vent

DucoPlus 60 is a compact flap window ventilator. This ventilator ensures excellent airflow in spite of a subtraction of glass height of just 60 mm. The perforated inner grid keeps insects out.

- → **Minimal subtraction of glass height**, maximum airflow
- → Favourable **acoustic** properties
- → Authentic DUCO **'Soft-Line' design**

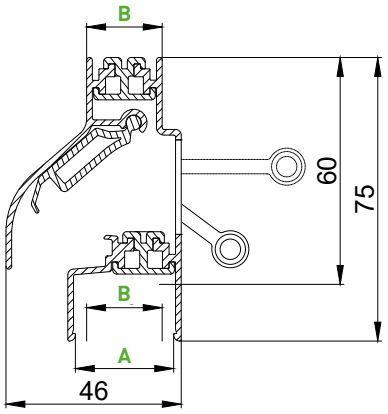
U-value	4,02
Airtightness class closed position	Class 3
Airtightness closed position	650
Watertightness class closed position	E650
Watertightness closed position	650
Subtraction of glass height	60 mm

Standards: consult the table on page 64.

up to **20 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

→ DucoPlus 60
fitting over glass



VERSIONS WITH GLAZING CHANNELS

	Dimensions (mm)			
Glazing channel (A)	26	30	34	38
Glass thickness* (B)	20	24	28	32

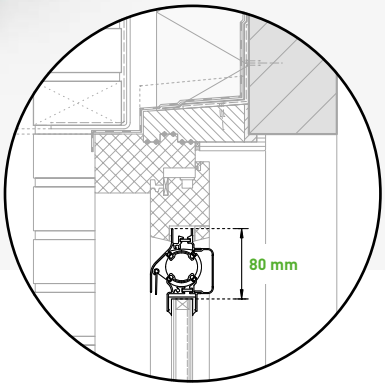
* The specified glass thickness is applicable to (DUCO) glazing rubbers. For sealants, min. 4 to max. 8 mm should be provided between glass thickness and glazing channel.

→ Ventilation and sound reduction performance

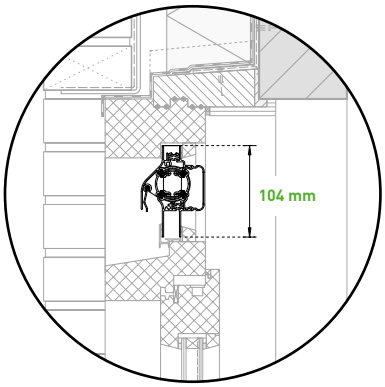
Type	Airflow (Q) in l/s/m at...				Airflow (Q) in m³/h/m at...				Equivalent area at 1 Pa in mm²/m	Geometrical Free Area in mm²/m	Sound absorption $D_{n,e,}W (C;C_{tr})^*$ in dB	
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa			OPEN position	CLOSED position
DucoPlus 60	11,2	15,8	34,9	48,1	40,3	56,7	125,6	173,1	14224	15000	25 (0;0)	39 (-1;-1)

* According to EN ISO 717

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58
→ **Full specifications:** see page 64



Fitting over glass



Transom mounting

Duco**Ton** 80 SR

Timeless classic

DucoTon 80 SR is a self-regulating 'rotary drum' window ventilator with a 'Soft-Line' design outer section. This product was introduced in 1992 and has since been used successfully for various projects.

- Authentic DUCO **'Soft-Line' design**
- **Double sealing** with brushes with Finseal insert
- **Subtraction of glass height 80** is mighty
- Excellent **thermal performance**
- Can be used with **any glass thickness** (up to 36 mm)

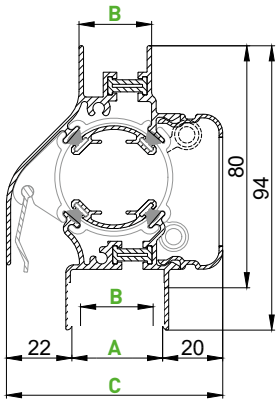
U-value	2,26
Airtightness class closed position	Class 3
Airtightness closed position	650
Watertightness class closed position	8A
Watertightness closed position	450
Subtraction of glass height	80 mm

Standards: consult the table on page 64.

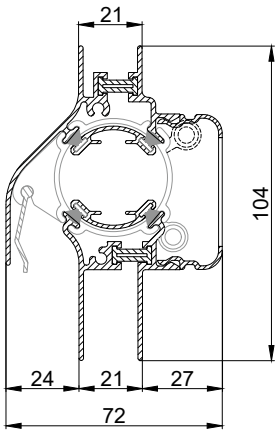
up to **20 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

→ DucoTon 80 SR
fitting over the glass



→ DucoTon 80 SR
transom mounting



VERSIONS WITH GLAZING CHANNEL

	Dimensions (mm)						
Glazing channel(A)	12**	21	26	30	34	38	42
Glass thickness* (B)	6	15	21	24	28	32	36
Vent depth (C)	72	72	72	72	79	79	79

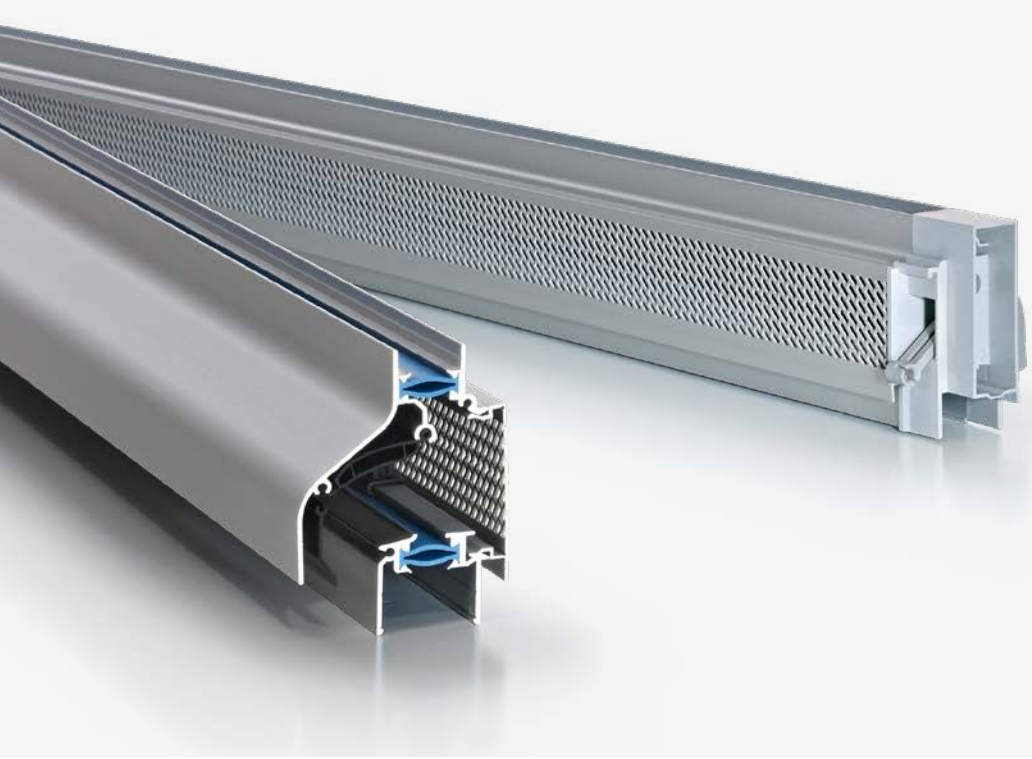
GG 12: Bi-colour and SR-flap not possible
GG 21: Only available in DAR, RAL 9010 or RAL 9001 and SR-flap not possible
* The specified glass thickness is applicable with (DUCO) glazing rubber. For sealants, min. 4 to max. 8 mm should be provided between glass thickness and glazing channel.
** With glazing channel 12, there is no thermal break.

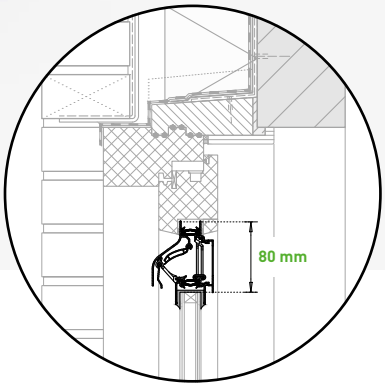
→ Ventilation and sound reduction performance

Type	Airflow (Q) in l/s/m at...				Airflow (Q) in m³/h/m at...				Equivalent area at 1 Pa in mm²/m	Geometrical Free Area in mm²/m	Sound absorption $D_{n,e,}W(C;C_{tr})$* in dB	
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa			OPEN position	CLOSED position
DucoTon 80 SR	10,2	12,3	15,7	15,5	36,7	44,3	56,6	55,8	12980	14400	27 (-1;-1)	34 (0;-1)

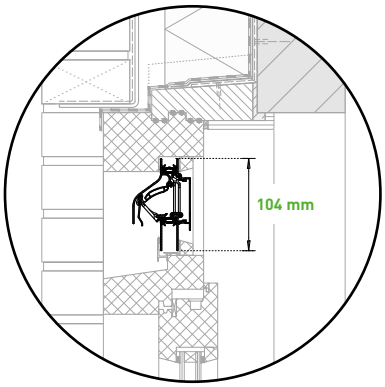
* According to EN ISO 717

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58
→ **Full specifications:** see page 64





Fitting over **glass**



Transom mounting

Duco**Klep** 80 SR

Flat inner grid

DucoKlep 80 SR is a self-regulating flap ventilator with a completely flat inner grid. This makes it suitable for use in the fixed pane of a sliding window. The vent optionally comes with a thumb control handle.

- Authentic DUCO **'Soft-Line' design**
- Suitable for applications in the fixed panes of a **sliding window**
- **Subtraction of glass height 80** is mighty
- **Excellent airflow**
- Can be used with **any glass thickness** (up to 48 mm)

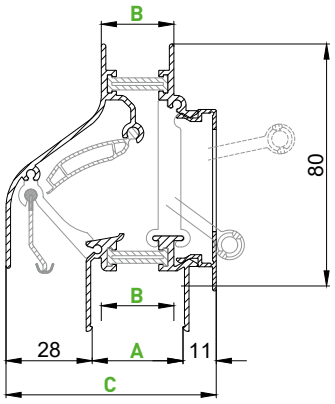
U-value	2,4
Airtightness class closed position	Class 2
Airtightness closed position	450
Watertightness class closed position	E650
Watertightness closed position	650
Subtraction of glass height	80 mm

Standards: consult the table on page 64.

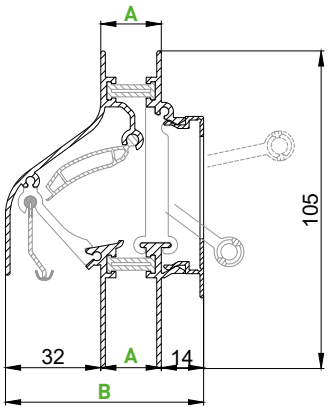
up to **20 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

→ DucoKlep 80 SR
fitting over the glass



→ DucoKlep 80 SR
transom mounting



VERSIONS WITH GLAZING CHANNEL

	Dimensions (mm)							
Glazing channel(A)	26	30	34	38	42	46	50	54
Glass thickness* (B)	20	24	28	32	36	40	44	48
Vent depth (C)	63	67	71	75	79	83	87	91

* The specified glass thickness is applicable to (DUCO) glazing rubbers. For sealants, min. 4 to max. 8 mm should be provided between glass thickness and glazing channel.

VERSIONS WITH TRANSOM PROFILE

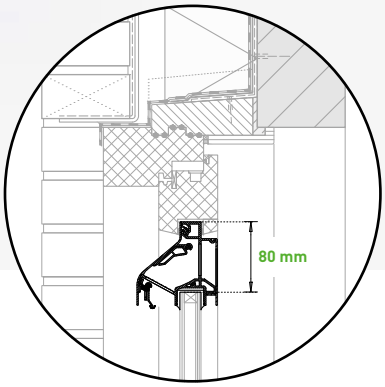
	Dimensions (mm)	
Transom profile (A)	20	24
Vent depth (B)	66	70

→ Ventilation and sound reduction performance

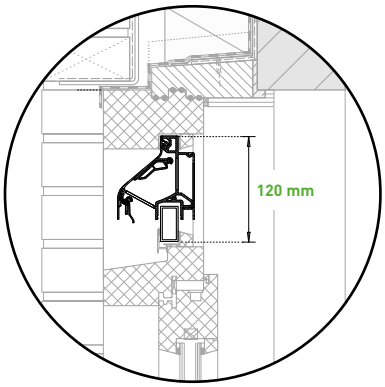
Type	Airflow (Q) in l/s/m at...				Airflow (Q) in m³/h/m at...				Equivalent area at 1 Pa in mm²/m	Geometrical Free Area in mm²/m	Sound absorption $D_{n,e,}W(C;C_{tr})$* in dB	
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa			OPEN position	CLOSED position
DucoKlep 80 SR	15,2	15,5	15,6	12,9	54,7	55,9	56,3	46,5	19342	19200	25 (0;-1)	37 (0;0)

* According to EN ISO 717

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58
→ **Full specifications:** see page 64



Fitting over **glass**



Transom mounting

DucoLine 80 SR

Available with three different air passages

DucoLine 80 SR is a self-regulating flap window ventilator which supplies each room with optimal ventilation. The design of the inside boasts a completely flat inner grid. The choice of handle determines the ventilation capacity.

- One window ventilator, available with **three different air outlets**
- **Subtraction of glass height 80** is mighty
- Excellent **thermal performance**
- Completely **flat inner grid**
- Can be used with **any glass thickness** (up to 46 mm)

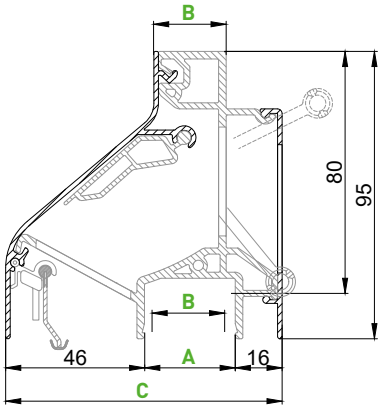
U-value	2,81
Airtightness class closed position	Class 2
Airtightness closed position	450
Watertightness class closed position	E700
Watertightness closed position	700
Subtraction of glass height	80 mm

Standards: consult the table on page 64.

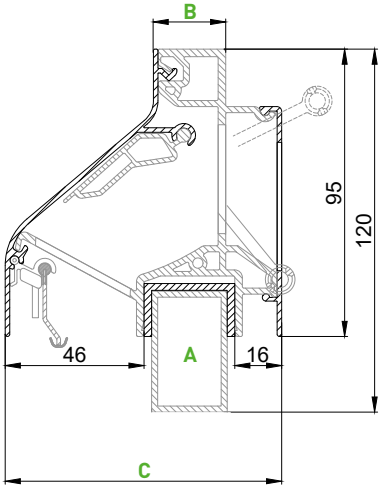
up to **20 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

→ DucoLine 80 SR
fitting over the glass



→ DucoLine 80 SR
transom mounting



VERSIONS WITH GLAZING CHANNEL

	Dimensions (mm)						
Glazing channel(A)	26	30	34	38	42	48	52
Glass thickness* (B)	20	24	28	32	36	42	46
Vent depth (C)	88	92	96	100	104	110	114

* The specified glass thickness is applicable to (DUCO) glazing rubbers. For sealants, min. 4 to max. 8 mm should be provided between glass thickness and glazing channel.

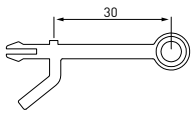
VERSIONS WITH TRANSOM PROFILE

	Dimensions (mm)		
Transom profile (A)	40 x 20	40 x 25	40 x 35
Top section (B)	20	24	36
Vent depth (C)	88	91	104

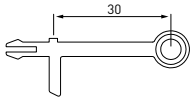
HANDLES

The choice of handle determines the ventilation capacity.

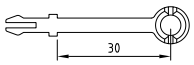
→ Handle **DucoLine 30 / 10**
Also available in longer length (DucoLine **50** / 10)



→ Handle **DucoLine 30 / 17**
Also available in longer length (DucoLine **50** / 17)



→ Handle **30**
Also available in other lengths (see page 58)

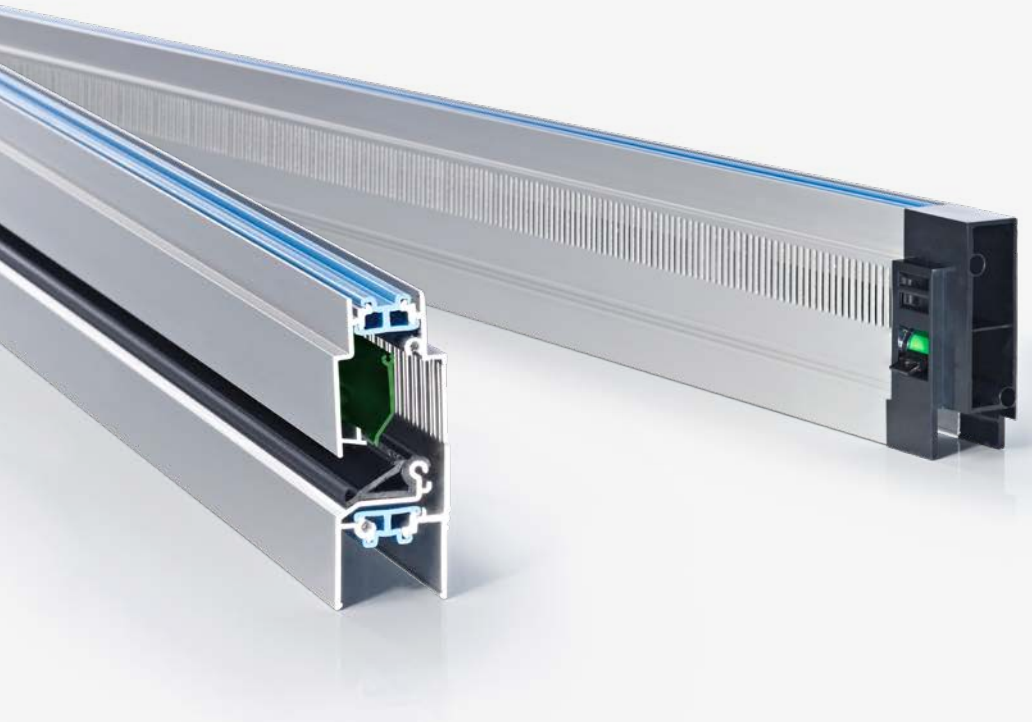


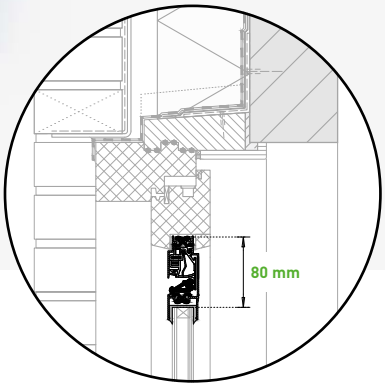
→ Ventilation and sound reduction performance

Type DucoLine 80 SR	Airflow (Q) in l/s/m at...				Airflow (Q) in m³/h/m at...				Equivalent area at 1 Pa in mm²/m	Geometrical Free Area in mm²/m	Sound absorption $D_{n,e,}W (C;C_{tr})$* in dB	
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa			OPEN position	CLOSED position
Handle **DucoLine 30 / 10**	10,7	16,4	14,4	49,1	38,5	59	52	176,8	13615,8	10800	29 (-1;-2)	33 (-1;-2)
Handle **DucoLine 30 / 17**	17,4	23,0	21,0	75,7	62,6	82,8	75,5	272,5	22141,5	19300	28 (-1;-2)	33 (-1;-2)
Handle **30**	22,6	29,6	27,4	98,7	81,4	106,7	98,5	355,3	28758,5	29500	26 (0;0)	33 (-1;-2)

* According to EN ISO 717

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58
→ **Full specifications:** see page 64

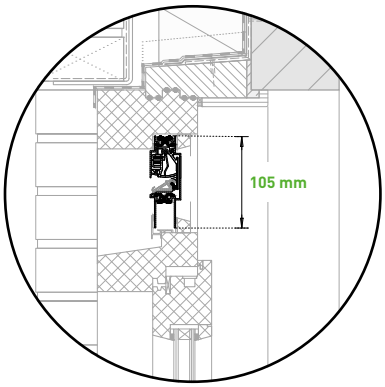




Fitting over **glass**

Duco**Flat** 80 SR

Self-regulating flat vent



Transom mounting

DucoFlat 80 SR is a self-regulating window ventilator specially developed for use in sliding and fixed panes of a sliding window or sliding door. The window ventilator has a subtraction of glass height of only 80 mm.

NOTE: DucoFlat 80 SR is only applicable for (sliding) windows in low-rise buildings up to 15 m (= about 5 building layers) and is always fitted with the SR flap.

- Completely **flat vent**
- Suitable for installation in the **sliding and fixed panes of a sliding window** or sliding door
- **Subtraction of glass height 80** is mighty

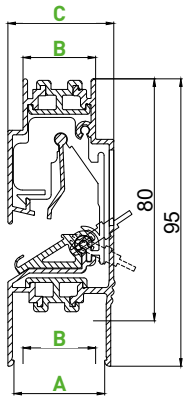
U-value	3
Airtightness class closed position	Class 3
Airtightness closed position	650
Watertightness class closed position	5A
Watertightness closed position	200
Subtraction of glass height	80 mm

Standards: consult the table on page 64.

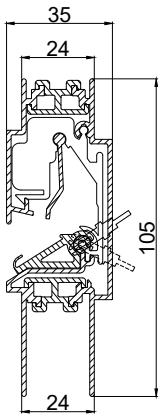
up to **15 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

→ DucoFlat 80 SR
fitting over the glass



→ DucoFlat 80 SR
transom mounting

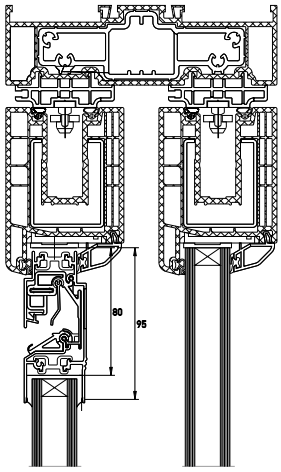


VERSIONS WITH GLAZING CHANNEL

	Dimensions (mm)		
Glazing channel(A)	30	34	38
Glass thickness* (B)	24	28	32
Vent depth (C)	35	39	43

* The specified glass thickness is applicable to (DUCO) glazing rubbers. For sealants, min. 4 to max. 8 mm should be provided between glass thickness and glazing channel.

Example of
glazed-in sliding doors



→ Ventilation and sound reduction performance

Type	Airflow (Q) in l/s/m at...				Airflow (Q) in m³/h/m at...				Equivalent area at 1 Pa in mm²/m	Geometrical Free Area in mm²/m	Sound absorption $D_{n,e,}W (C;C_{tr})^*$ in dB	
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa			OPEN position	CLOSED position
DucoFlat 80 SR	11,5	13,8	19,0	18,1	41,4	49,7	68,3	65,3	14685	15000	27 (0;-1)	44 (0;0)

* According to EN ISO 717

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58
→ **Full specifications:** see page 64

Independently tested by **BRE**

Duco**Strip**

Aluminium slot ventilator

DucoStrip is an aluminium "through-the-frame" slot ventilator. The combination of its attractive design with integrated end caps and high-quality polyester powder coating makes **Duco**Strip the preferred choice for any type of window frame.

NOTE: Duco Strip is only suitable for windows in low-rise buildings (up to second floor).

- Smooth and slim with **minimal projection**
- Incoming airflow deflected **upwards**
- Installation screws concealed by **smooth end caps**

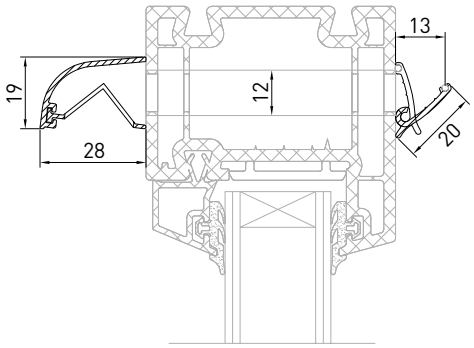
Airtightness class closed position	Class 2
Airtightness closed position	300
Watertightness class closed position	5A
Watertightness closed position	200

Standards: consult the table on page 64.

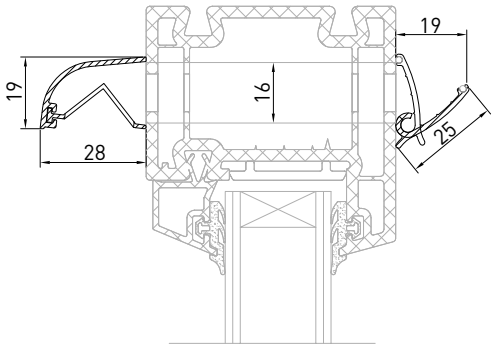
up to **10 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

→ DucoStrip
external cover & **Slimline** inner grid



→ DucoStrip
external cover & **Wideline** inner grid



Type	Vent length in mm	Slot height in mm
Slimline	290	12
Wideline	460	16

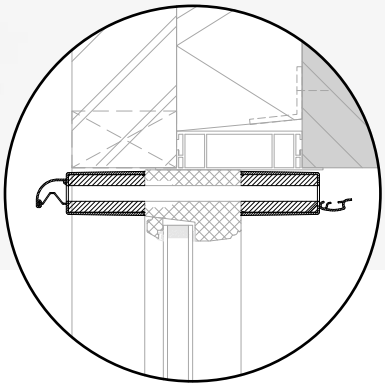
→ Ventilation and sound reduction performance

Type DucoStrip	Airflow (Q) in l/s at...				Airflow (Q) in m³/h at...				Equivalent area at 1 Pa in mm²	Geometrical Free Area in mm²	Sound absorption $D_{n,e,}W (C;C_{tr})^*$ in dB	
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa			OPEN position	CLOSED position
Slimline	2,0	2,9	6,6	8,9	7,3	10,4	23,8	32,2	2605	3000	32 (-1;0)	36 (-1;-1)
Wideline	4,1	5,8	12,6	17,0	14,8	20,9	45,4	61,6	5283	6500	28 (0;1)	35 (-1;-2)

* According to EN ISO 717

MORE INFO
→ **Ordering info:** see page 48
→ **Full specifications:** see page 64

Independently tested by **BRE**



Fitting **through the frame**

Duco**Strip** Acoustic

Sound absorbing aluminium slot ventilator

DucoStrip is a sound absorbing aluminium "through-the-frame" slot ventilator. The sound absorbing module can be fitted either on the inside or the outside, or on both sides for even better sound absorption.

NOTE: Duco Strip **Acoustic** is only suitable for windows in low-rise buildings (up to second floor).

- Acoustic damping**inside, outside or on both sides**
- Incoming airflow deflected **upwards**
- **Simple fitting** with two screws per module
- Installation screws concealed by **smooth end caps**

Double Acoustic

Acoustic **Inside**

Acoustic **Outside**

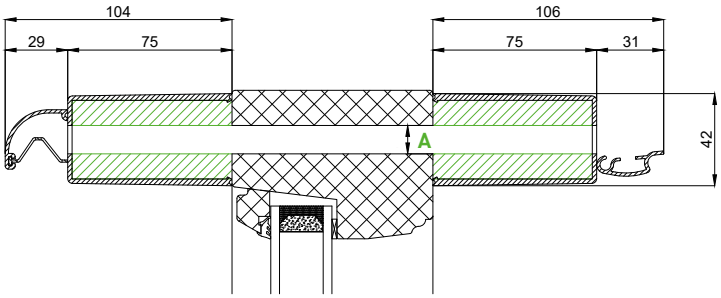
Airtightness class closed position	Class 2
Airtightness closed position	300
Watertightness class closed position	9A
Watertightness closed position	600

Standards: consult the table on page 64.

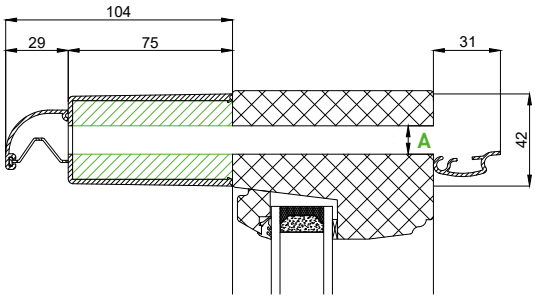
up to **20 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

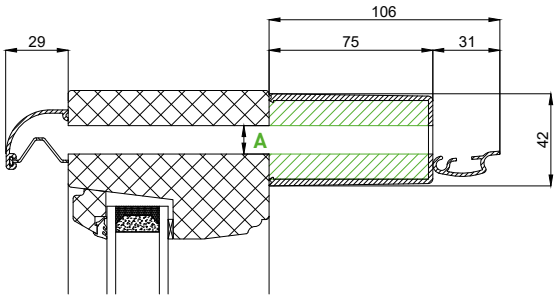
→ DucoStrip Acoustic **Double Acoustic**



→ DucoStrip Acoustic **Acoustic Outside**

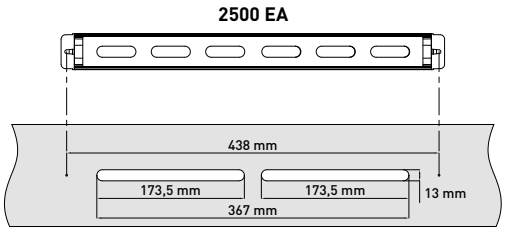


→ DucoStrip Acoustic **Acoustic Inside**

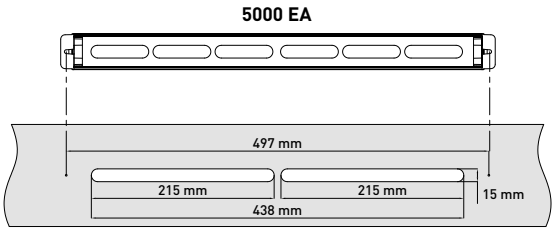


Type	Vent length in mm	Slot length in mm	Slot height (A) in mm
DucoStrip Acoustic **2500 EA**	460	2 x 173,5	13
DucoStrip Acoustic **5000 EA**	520	2 x 215	15

2500 EA



5000 EA

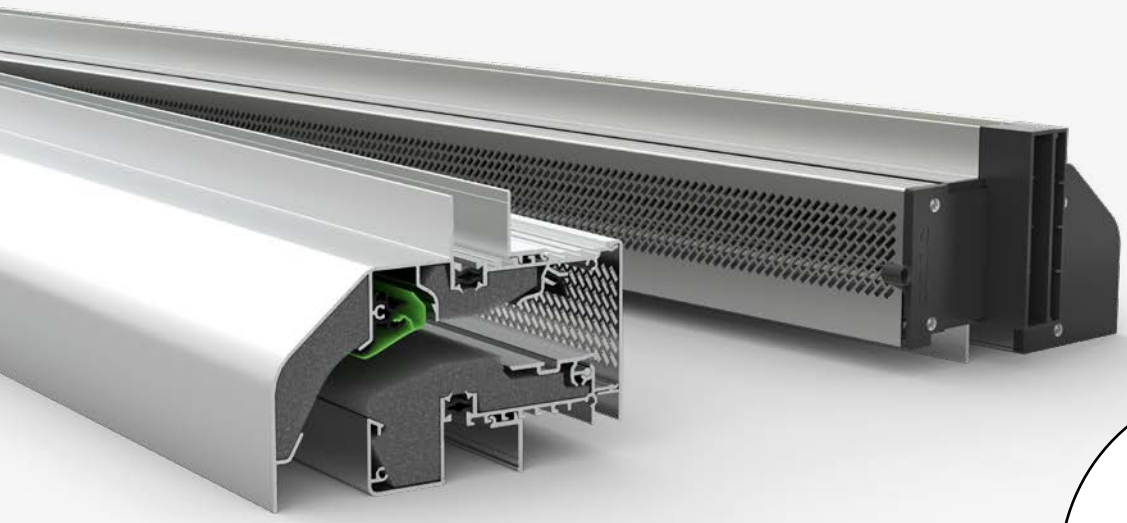


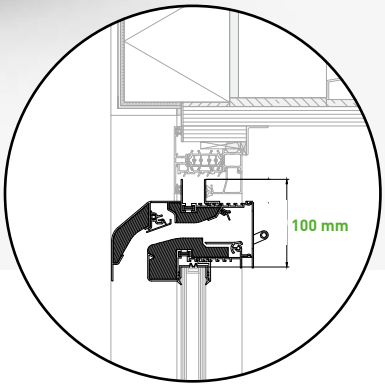
→ Ventilation and sound reduction performance

	Type DucoStrip	Airflow (Q) in l/s at...				Airflow (Q) in m³/h at...				Equivalent area at 1 Pa in mm²	Geometrical Free Area in mm²	Sound absorption $D_{n,e,W}$ (C;C_{tr})* in dB	
		1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa			OPEN position	CLOSED position
2500 EA	**Double** Acoustic	2,5	3,5	8,0	11,4	9,0	12,6	28,8	41,0	3040	4511	42 (-2;-3)	56 (-3;-5)
2500 EA	Acoustic **Inside**	2,8	3,9	9,0	12,9	10,1	14,0	32,4	46,4	3346	4511	37 (0;0)	57 (-1;-5)
2500 EA	Acoustic **Outside**	2,7	3,8	8,8	12,6	9,7	13,7	31,7	45,4	3543	4511	37 (0;0)	54 (-1;-4)
5000 EA	**Double** Acoustic	3,9	5,6	12,7	18,0	14,0	20,2	45,7	64,8	5046	6450	37 (-1;-2)	53 (-1;-4)
5000 EA	Acoustic **Inside**	4,2	5,9	13,2	18,5	15,1	21,2	47,5	66,6	5263	6450	34 (0;-1)	51 (-1;-3)
5000 EA	Acoustic **Outside**	4,2	6,1	13,8	19,4	15,1	22,0	49,7	69,8	5394	6450	34 (0;0)	51 (-1;-3)

* According to EN ISO 717

MORE INFO
→ **Ordering info:** see page 48
→ **Full specifications:** see page 66

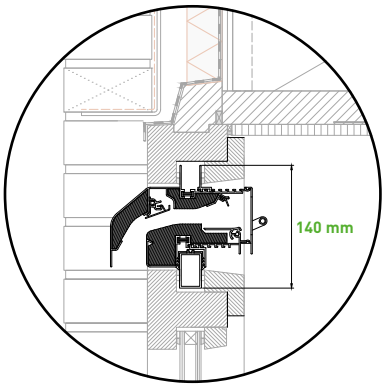




Fitting over glass

GlasVent 100 SR AK

Acoustic ventilator



Transom mounting

This new window ventilator with acoustic damping can be used for all glass thicknesses from 8* to 56 mm! Mounting is possible above the glass (subtraction 100 mm) or as transom mounting. The **GlasVent 100 SR AK** is ideal in combination with vacuum glass (for glass thicknesses of 8 up to 12 mm). The aluminium ventilation flap ensures excellent water- and airtightness. This aesthetic acoustic vent can therefore be used in high-rise buildings without any problems.

* Glass thickness 8 mm is possible in combination with a 16 mm glazing channel. This involves using a putty replacement kit, putty sealant or sealant such as Renoseal, Monuseal and Dow corning. Glass thicknesses from 10 mm can be used with glazing rubber.

- → Applicable to all glass thicknesses from 8* to 56 mm
- → Ideal in combination with **vacuum glass**
- → Leader for **renovation projects**

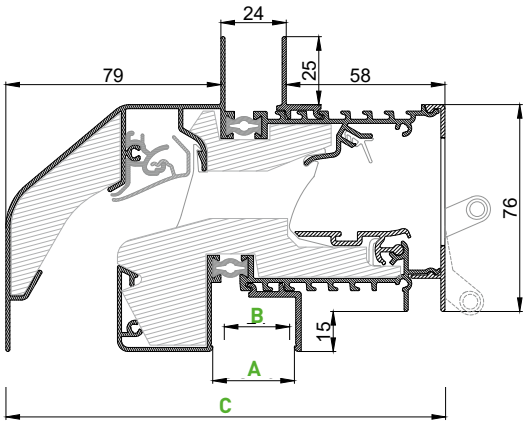
U-value	2,09
Airtightness class closed position	Class 3
Airtightness closed position	600 Pa
Watertightness class closed position	E600
Watertightness closed position	600 Pa
Subtraction of glass height	100 mm

Standards: consult the table on page 64.

up to **40 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

→ GlasVent 100 SR AK
fitting over glass



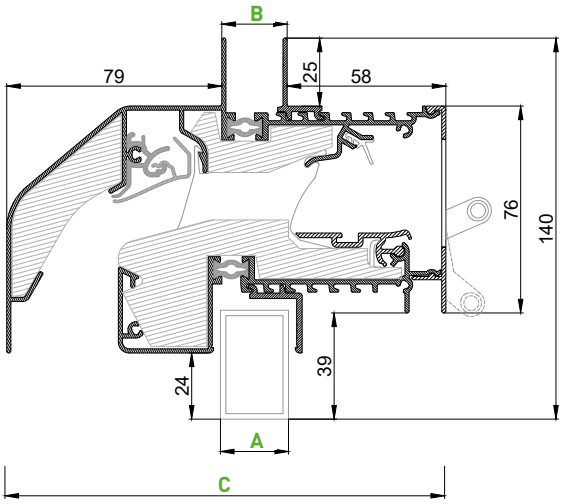
VERSIONS WITH GLAZING CHANNEL

	Dimensions (mm)											
Glazing channel(A)	16	16	18	26	30	34	38	42	46	50	54	58	62
Glass thickness (B)**	8*	10	12	20	24	28	32	36	40	44	48	52	56
Vent depth (C)	162												

* Glass thickness 8 mm is possible in combination with a 16 mm glazing channel. This involves using a putty replacement kit, putty sealant or sealant such as Renoseal, Monuseal and Dow corning. Glass thicknesses from 10 mm can be used with glazing rubber.

** The specified glass thickness is applicable with (DUCO) glazing rubber. For sealants, min. 4 to max. 8 mm should be provided between glass thickness and glazing channel.

→ GlasVent 100 SR AK
transom mounting



VERSIONS WITH TRANSOM PROFILE

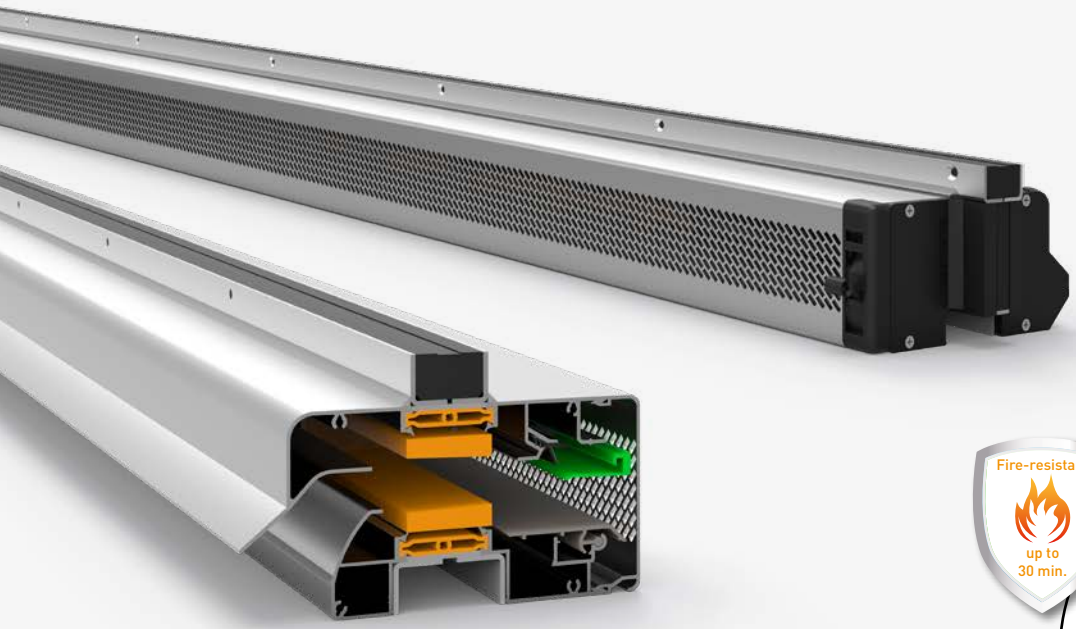
	Dimensions (mm)		
Transom profile (A)	40 x 20	40 x 25	40 x 35
Top section (B)	20	24	36
Vent depth (C)	162		

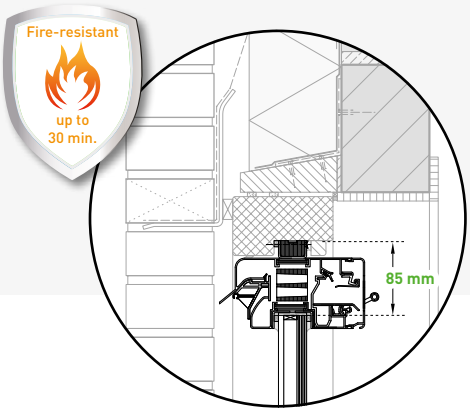
→ Ventilation and sound reduction performance

Type	Airflow (Q) in l/s/m at...				Airflow (Q) in m³/h/m at...				Equivalent area at 1 Pa in mm²/m	Geometrical Free Area in mm²/m	Sound absorption $D_{n,e,}W$ ($C;C_{tr}$)* in dB	
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa			OPEN position	CLOSED position
GlasVent 100 SR AK	15,6	21,5	29,1	25,5	56,2	77,4	104,8	91,8	19841,6	17000	33 (-1;-2)	51 (-1;-4)

* According to EN ISO 717

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58
→ **Full specifications:** see page 66

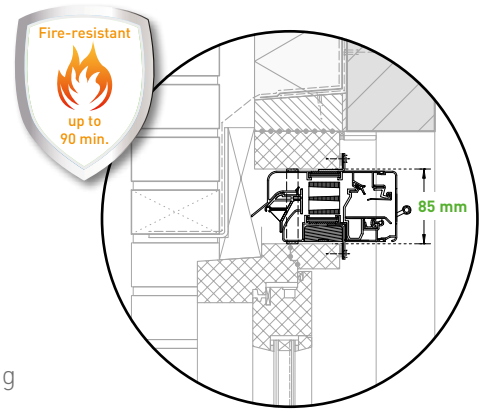




Fitting over glass

Fire**Max** EW SR

Fire-resistant



'Invisible' mounting
on the window frame

DUCO was already the first on the market with a fire-resistant window ventilator with the **FireMax SR** and has continued to develop it since then. When mounting on the window frame, the **FireMax SR** is no less than 90 minutes fire-resistant, on fire-resistant glass up to 30 minutes. In addition, the window ventilator height was significantly reduced, resulting in an aesthetic and more discreet mounting.

- **Fire-resistant both sides**
- **Aesthetic inner grid** with minimal subtraction of glass height
- Suitable for **high-rise buildings** (up to 40 m high)
- Class **E90*** (flame resistance) and **EW90*** (heat radiation) when mounting on the window frame
- Class **E30*** (flame resistance) and **EW30*** (heat radiation) when fitting over glass
- For **hardwood windows**

* according to EN 13501-2:2007 + A1:2009

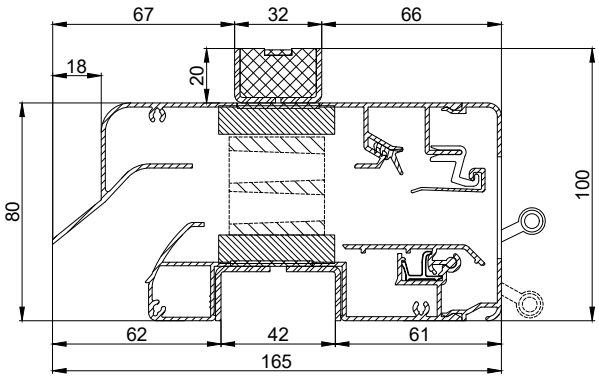
U-value	1,56
Airtightness class closed position	Class 3
Airtightness closed position	600 Pa
Watertightness class closed position	E1050
Watertightness closed position	1050 Pa
Subtraction of glass height	85 mm

Standards: consult the table on page 64.

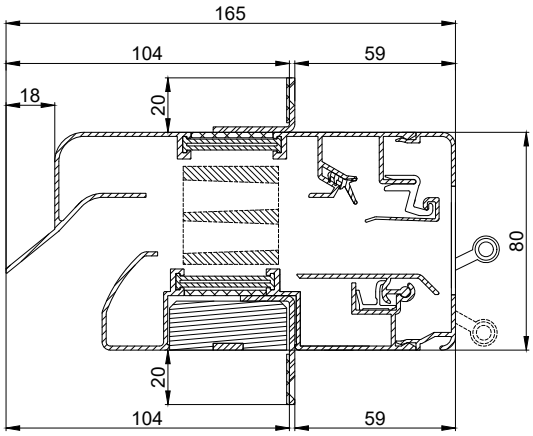
Fitting over glass (in view)		**'Invisible' mounting** on the window frame
Air slot 15	Air slot 20 and 25	All air slots
up to **40 m**	up to **20 m**	up to **40 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

→ FireMax SR **EW30**
fitting over glass



→ FireMax SR **EW90**
'invisible' mounting on the window frame



DIMENSIONS

A **minimum width of 300 mm** always applies.

FireMax SR EW30 (fitting over glass):
The maximum width is equal to the maximum width of the glass according to the table opposite.

FireMax SR EW90 ('invisible' mounting on the window frame):
Maximum width: 2500 mm.

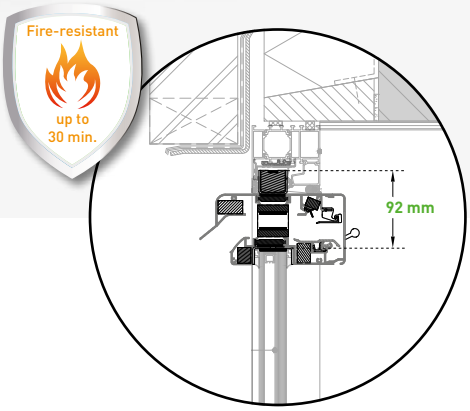
		Max. width	Max. height	Max. surface area
Vetrotech ContraFlam Lite 30 ISO (32 mm)		1800 mm	3600 mm	5,4 m²
AGC Pyrobelite 9EG (32 mm)	//	1200 mm	3600 mm	3,6 m²
	//	2216 mm	1836 mm	3,3 m²
Pyroguard	2-EW30/ 11-2 VI	1000 mm	3240 mm	n/a
	T-EW30/ 13-1 VI	1500 mm	3000 mm	n/a

→ Ventilation and sound reduction performance

Type FireMax EW SR	Airflow (Q) in l/s at...				Airflow (Q) in m³/h at...				Equivalent area at 1 Pa in mm²	Geometrical Free Area in mm²	Sound absorption $D_{n,e,}W (C;C_{tr})^*$ in dB	
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa			OPEN position	CLOSED position
Air slot **15**	21,1	24,6	20,7	21,7	76,0	88,4	74,6	78,1	26850	15000	35 (-1;-2)	51 (-1;-4)
Air slot **20**	24,1	30,4	27,6	22,9	86,8	109,3	99,3	82,6	30667	20000	34 (0;-2)	49 (0;-3)
Air slot **25**	28,6	34,4	29,3	29,1	103,0	123,9	105,3	104,8	36394	25000	27 (0;-1)	42 (0;-1)

* According to EN ISO 717

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58
→ **Full specifications:** see page 66



Fitting over glass

FireMax EI SR

Fire-resistant and insulating

Within the range of fire-resistant ventilation applications, the **FireMax SR** was further developed for specific installation with aluminium profiles (Reynaers MasterLine) with Controflam 30 IGU (e.g. types Climalit or Climaplus) fire-resistant glass. Additional fire-retardant interventions with cooling blocks and swelling tape ensure that this window ventilator meets the EI requirement without any problem.

- **Fire-resistant both sides**
- **Aesthetic inner grid** with minimal subtraction of glass height
- Suitable for **high-rise buildings** (up to 40 m high)
- Class **E30*** (flame resistance) and **EW30*** (heat radiation) and **EI30*** (insulation)
- For **aluminium profiles** (fitting over glass)

* according to EN 13501-2:2007 + A1:2009

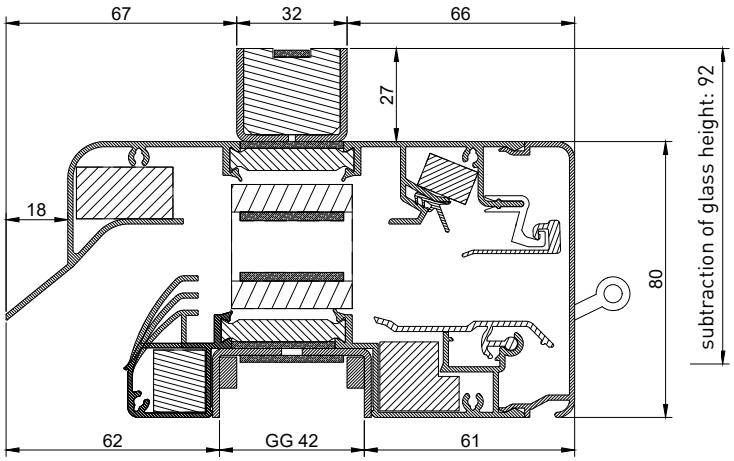
U-value	1,56
Airtightness class closed position	Class 3
Airtightness closed position	600 Pa
Watertightness class closed position	E1050
Watertightness closed position	1050 Pa
Subtraction of glass height	92 mm

Standards: consult the table on page 64.

Fitting over glass (in view)	
Air slot 15	Air slot 20 and 25
up to **40 m**	up to **20 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

→ FireMax **EI30** SR
fitting over glass



DIMENSIONS

A **minimum width of 300 mm** always applies.

The maximum width is equal to the maximum width of the glass or door with which the FireMax EI30 is combined.

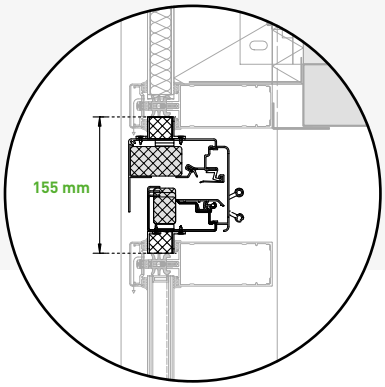
- The maximum tested dimensions on glass is 1114.5 mm wide x 2292 mm high.
- The maximum tested dimensions on a door is 885.5 mm wide x 2137.5 mm high.

→ Ventilation and sound reduction performance

Type FireMax EI SR	Airflow (Q) in l/s at...				Airflow (Q) in m³/h at...				Equivalent area at 1 Pa in mm²	Geometrical Free Area in mm²	Sound absorption $D_{n,e,}W (C;C_{tr})^*$ in dB	
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa			OPEN position	CLOSED position
Air slot **15**	15,9	18,2	16,8	13,8	57,2	65,6	60,3	49,6	20233	10000	35 (-1;-2)	51 (-1;-4)
Air slot **20**	21,1	24,6	20,7	21,7	76,0	88,4	74,6	78,1	26850	15000	34 (0;-2)	49 (0;-3)
Air slot **25**	24,1	30,4	27,6	22,9	86,8	109,3	99,3	82,6	30667	25000	27 (0;-1)	42 (0;-1)

* According to EN ISO 717

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58
→ **Full specifications:** see page 66

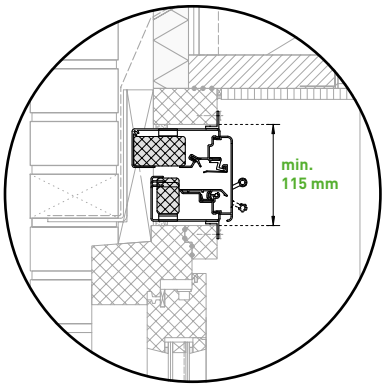


Transom mounting

Mini**Max** SR

'Invisible' fitting

MiniMax **SR** is a self-regulating, sound absorbing window ventilator developed for transom mounting and 'invisible' mounting on the window frame. The **Mini**Max **SR** is optionally fitted with an extended outer cover in case of transom mounting, the ideal solution for use in a curtain wall. The sound absorbing vent is eminently suitable for use in situations where light noise exposure is an issue. **Mini**Max **SR** can very well be combined with DucoMax SR & SkyMax SR sound absorbing vents. **Mini**Max **SR**, DucoMax SR and SkyMax SR have the same inside view. The window ventilator & installation height and the way of mounting in case of 'invisible' mounting on the window frame are also identical.



'Invisible' mounting
on the window frame

- → **'Invisible'** mounting on the window frame
- → Ideal in **combination with DucoMax SR & SkyMax SR** sound absorbing vents
- → Suitable for **high-rise buildings** (up to 40 m high)
- → Available with three **different air passages**

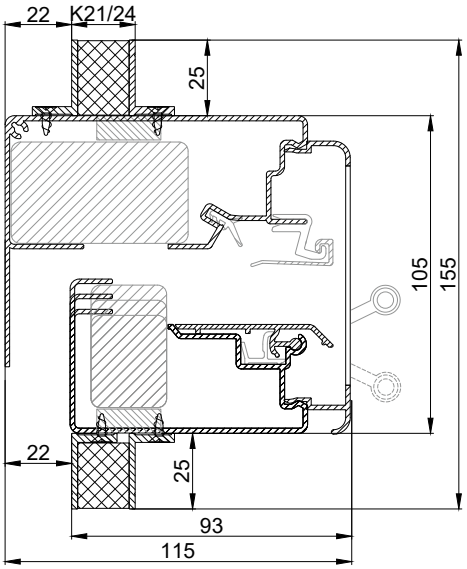
U-value	2,00
Airtightness class closed position	Class 3
Airtightness closed position	600
Watertightness class closed position	E1050
Watertightness closed position	1050
Subtraction of glass height	n/a

Standards: consult the table on page 64.

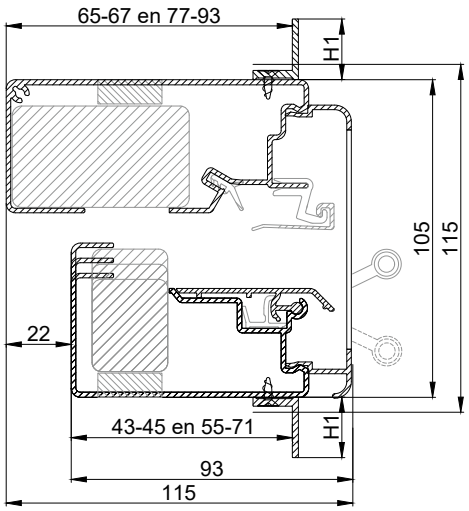
up to **40 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

→ MiniMax SR
transom mounting*



→ MiniMax SR
invisible' mounting on the window frame



* Contact DUCO for application of the MiniMax SR in transom mounting for sizes other than those listed above.

→ Ventilation and sound reduction performance

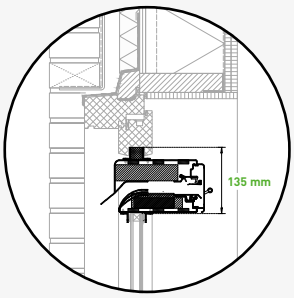
Type MiniMax SR Air slot	Airflow (Q) in l/s/m at...				Airflow (Q) in m³/h/m at...				Equivalent area at 1 Pa in mm²/m	Geometrical Free Area in mm²/m	Sound absorption $D_{n,e,}W$ $(C;C_{tr})$* in dB	
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa			OPEN position	CLOSED position
10 mm	14,7	19,2	20,7	15,7	14,7	69,3	74,6	56,5	18705,8	0,0100	35 (-1;-4)	-
15 mm	19,6	27,1	20,6	17,4	19,6	97,6	74,1	62,5	24941,0	0,0150	34 (-1;-4)	-
20 mm	23,7	39,9	32,4	28,8	23,7	143,8	116,6	103,5	30158,3	0,0200	33 (-1;-3)	47 (-1;-3)

* According to EN ISO 717

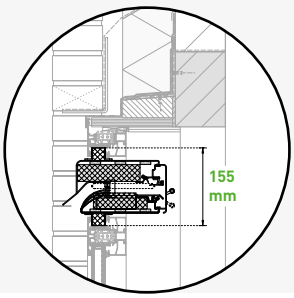
MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58
→ **Full specifications:** see page 66

DucoMax SR

Residence De Citadel | Amsterdam (the Netherlands)



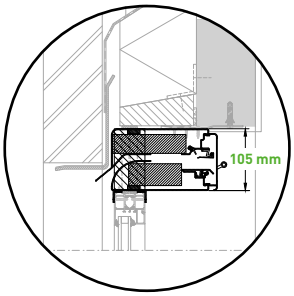
Fitting over glass



Transom mounting

DucoMax SR
SkyMax SR

Superior sound absorption and/or high-rise buildings

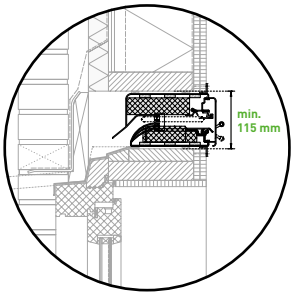


Mounting on top of the window frame

ONLY FOR DUCOMAX 'SR'

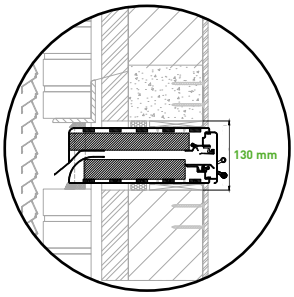
DucoMax SR is a self regulating, acoustic vent (sound absorbing ventilator), specifically engineered for situations exposed to high levels of noise disturbance. The various types are beautifully designed and have excellent acoustic performance. The **SkyMax SR** is an upgraded version of the DucoMax SR making it applicable to heights up to 70 meter.

Specific fitting instructions apply to SkyMax SR series vents.
These instructions are available at DUCO or at your local dealer.



'Invisible' mounting
on the window frame

- Suitable for **high-rise buildings**
- **Four fitting depths**: Corto, Medio, Alto, Largo
- Suitable for situations giving rise to **high levels of noise disturbance**
- **No whistling sounds** with positive or negative pressure thanks to active closing aluminium flap
- **Excellent wind and water resistance**



Fitting
through the wall

U-value	2,58
Airtightness class closed position	Class 2
Airtightness closed position	600
Watertightness class closed position	E1050
Watertightness closed position	1050
Subtraction of glass height	135 mm

Standards: consult the table on page 64.

up to **40 m**

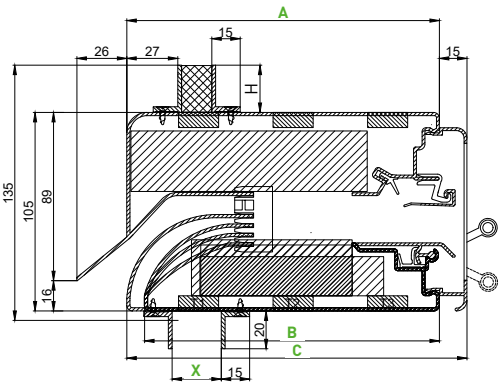
DUCOMAX SR

up to **70 m**

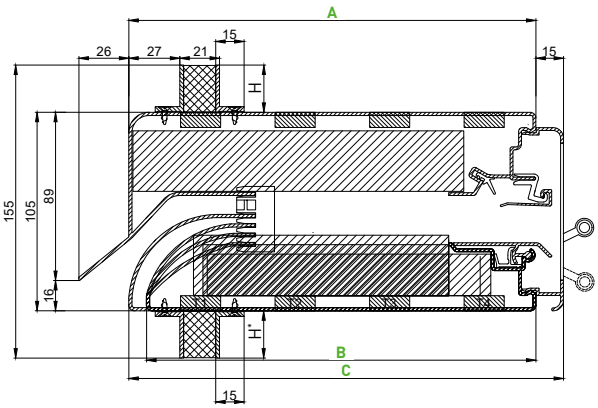
SKYMAX SR

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

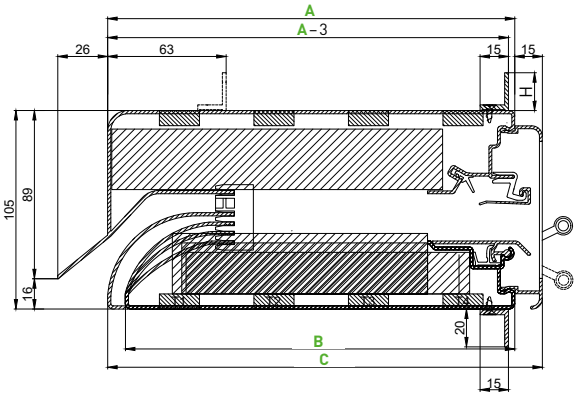
→ DucoMax SR / SkyMax SR
fitting over glass



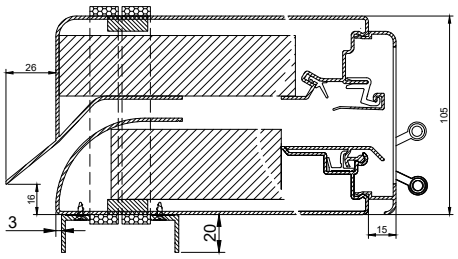
→ DucoMax SR / SkyMax SR
transom mounting



→ DucoMax SR / SkyMax SR
'invisible' mounting on the window frame / mounting through the wall



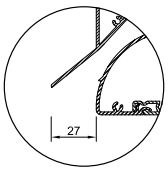
→ DucoMax SR / SkyMax SR
mounting on the window



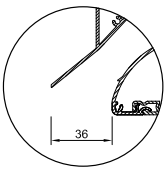
See from **page 50** for additional versions and sizes

FITTING DEPTHS

Version	Dimension A (see drawing)	Dimension B (see drawing)	Dimension C (see drawing)
Corto	165	156	180
Medio	215	206	230
Alto	265	256	280
Largo	315	306	330



→ suits
air slot **10**



→ suits
air slot **15/20/25**

→ Ventilation and sound reduction performance

See table on page 45.

PITCHED ROOF

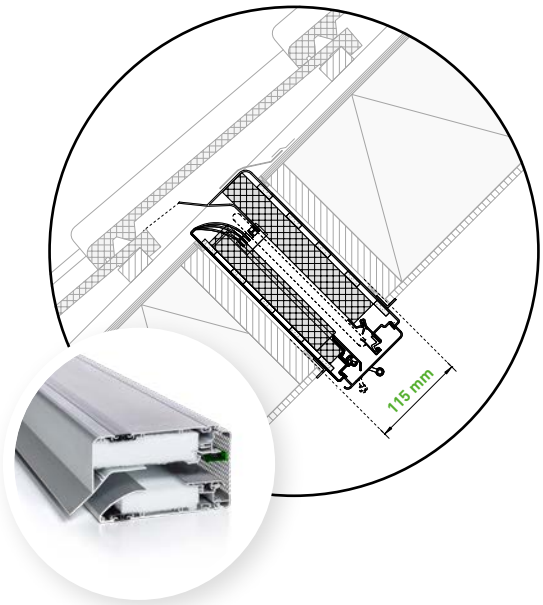
The DucoMax SR can be applied in a pitched roof in **DucoMax SR HD** version. See page 44 for more information.

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58
→ **Full specifications:** see page 66

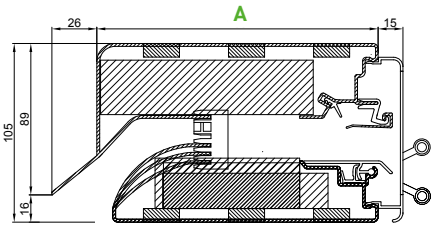
DucoMax SR HD

Ventilation under a pitched roof

DUCO has developed a new solution for natural air supply onder a pitched roof. The **DucoMax SR HD**, applicable for **pitched roofs from 25 degrees**, is **discreetly concealed from the outside behind a ventilation roof tile** and mounted directly in the window frame rebate.



Depending on the roof thickness, there are several options:



FITTING DEPTHS

Version	Dimension A	Maximum roof thickness
Corto	165 mm	up to 150 mm
Medio	215 mm	up to 200 mm
Alto	265 mm	up to 250 mm
Largo	315 mm	up to 300 mm

→ Ventilation and sound reduction performance

See table on page 45.

U-value	2,58
Airtightness class closed position	Class 2
Airtightness closed position	600
Watertightness class closed position	E1050
Watertightness closed position	1050

Standards: consult the table on page 64.

up to **20 m**

Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

→ Ventilation and sound reduction performance

DucoMax SR /SkyMax SR

Type DucoMax SR SkyMax SR	Airflow (Q) in l/s/m at...				Airflow (Q) in m³/h/m at...				Equivalent area at 1 Pa in mm²/m	Geometrical Free Area in mm²/m	Sound absorption $D_{n,e,}W (C;C_{tr})^*$ in dB	
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa			OPEN position	CLOSED position
Corto 10	13	24,1	20,2	18,8	46,8	86,7	72,8	67,8	16542	10000	41 (-1;-2)	57 (-2;-4)
Corto 15	20,7	25,7	22,4	24,1	74,5	92,5	80,8	86,6	26341	15000	38 (-1;-3)	55 (-2;-4)
Corto 20	26,9	39,3	35,3	29,6	96,8	141,5	127,1	106,6	34230	20000	36 (-1;-2)	54 (-2;-3)
Corto 25	32	42,5	30,4	28,8	115,2	152,9	109,3	103,6	40720	25000	35 (-1;-2)	53 (-1;-2)
Medio 10	11,2	24,1	20,2	18,8	40,3	86,7	72,8	67,8	14252	10000	44 (-1;-4)	58 (-2;-5)
Medio 15	17,7	25,7	22,4	24,1	63,7	92,5	80,8	86,6	22523	15000	40 (-1;-4)	57 (-2;-5)
Medio 20	25,6	39,3	35,3	29,6	92,2	141,5	127,1	106,6	32576	20000	39 (-2;-4)	55 (-2;-4)
Medio 25	30,8	42,5	30,4	28,8	110,9	152,9	109,3	103,6	39193	25000	37 (-1;-4)	55 (-1;-4)
Alto 10	11,9	24,1	20,2	18,8	42,8	86,7	72,8	67,8	15143	10000	46 (-2;-6)	60 (-2;-6)
Alto 15	17,5	25,7	22,4	24,1	63,0	92,5	80,8	86,6	22269	15000	42 (-1;-5)	58 (-2;-5)
Alto 20	26,3	39,3	35,3	29,6	94,7	141,5	127,1	106,6	33467	20000	40 (-1;-4)	57 (-2;-6)
Alto 25	29,7	42,5	30,4	28,8	106,9	152,9	109,3	103,6	37793	25000	38 (-1;-4)	56 (-2;-5)
Largo 10	11,9	24,1	20,2	18,8	42,8	86,7	72,8	67,8	15143	10000	49 (-1;-5)	62 (-2;-5)
Largo 15	17,9	25,7	22,4	24,1	64,4	92,5	80,8	86,6	22778	15000	43 (-1;-4)	60 (-1;-5)
Largo 20	26,9	39,3	35,3	29,6	96,8	141,5	127,1	106,6	34230	20000	41 (-2;-4)	57 (-1;-5)
Largo 25	28,9	42,5	30,4	28,8	104,0	152,9	109,3	103,5	36775	25000	38 (-1;-3)	55 (-1;-4)

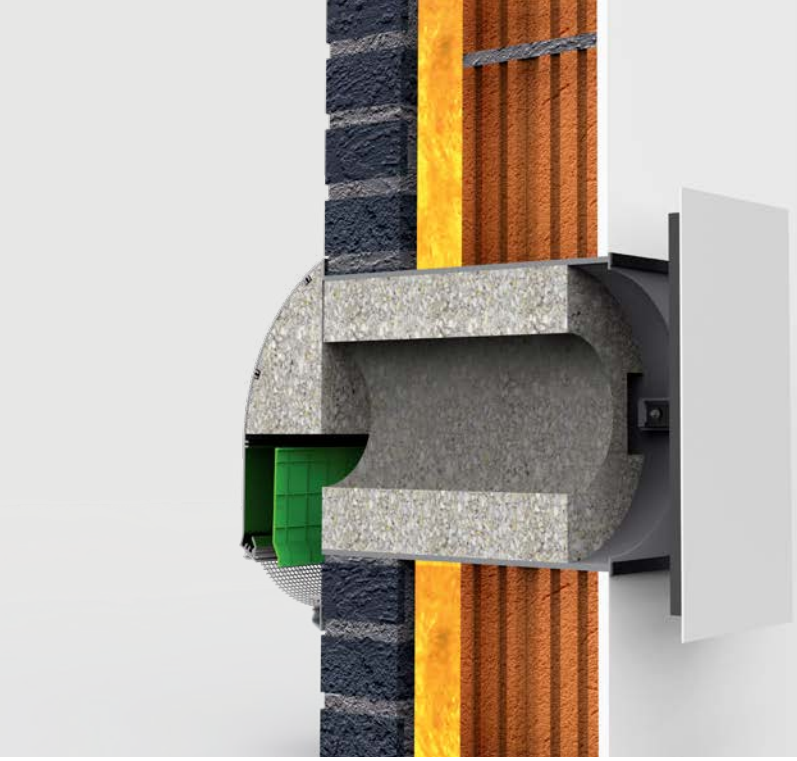
* According to EN ISO 717

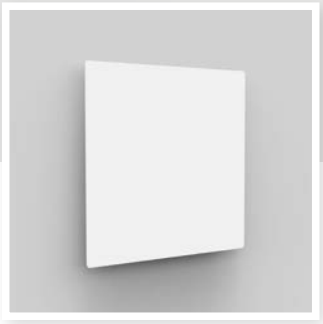
DucoMax SR HD

Type DucoMax SR HD	Airflow (Q) in l/s/m at...				Airflow (Q) in m³/h/m at...				Equivalent area at 1 Pa in mm²/m	Geometrical Free Area in mm²/m	Sound absorption $D_{n,e,}W (C;C_{tr})^*$ in dB	
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa			OPEN position	CLOSED position
Corto 10	9,1	16,5	20,1	12,3	32,8	59,3	72,2	44,1	11580	10000	41 (-1;-2)	57 (-2;-4)
Corto 15	14,5	24,1	22,6	21,4	52,2	86,7	81,3	77,0	18451	15000	38 (-1;-3)	55 (-2;-4)
Corto 20	17,5	24,8	14,2	16,8	63,0	89,1	51,2	60,3	22269	20000	36 (-1;-2)	54 (-2;-3)
Corto 25	20,8	28,8	32,0	20,4	74,9	103,8	115,2	73,6	26468	25000	35 (-1;-2)	53 (-1;-2)
Medio 10	7,8	16,5	20,1	12,3	28,1	59,3	72,2	44,1	9926	10000	44 (-1;-4)	58 (-2;-5)
Medio 15	12,4	24,1	22,6	21,4	44,6	86,7	81,3	77,0	15779	15000	40 (-1;-4)	57 (-2;-5)
Medio 20	17,2	24,8	14,2	16,8	61,9	89,1	51,2	60,3	21887	20000	39 (-2;-4)	55 (-2;-4)
Medio 25	20,0	28,8	32,0	20,4	72,0	103,8	115,2	73,6	25450	25000	37 (-1;-4)	55 (-1;-4)
Alto 10	8,3	16,5	20,1	12,3	29,9	59,3	72,2	44,1	10562	10000	46 (-2;-6)	60 (-2;-6)
Alto 15	12,3	24,1	22,6	21,4	44,3	86,7	81,3	77,0	15652	15000	42 (-1;-5)	58 (-2;-5)
Alto 20	17,1	24,8	14,2	16,8	61,6	89,1	51,2	60,3	21760	20000	40 (-1;-4)	57 (-2;-6)
Alto 25	19,3	28,8	32,0	20,4	69,5	103,8	115,2	73,6	24559	25000	38 (-1;-4)	56 (-2;-5)
Largo 10	8,3	16,5	20,1	12,3	29,9	59,3	72,2	44,1	10562	10000	49 (-1;-5)	62 (-2;-5)
Largo 15	12,5	24,1	22,6	21,4	45,0	86,7	81,3	77,0	15906	15000	43 (-1;-4)	60 (-1;-5)
Largo 20	17,5	24,8	14,2	16,8	63,0	89,1	51,2	60,3	22269	20000	41 (-2;-4)	57 (-1;-5)
Largo 25	18,8	28,8	32,0	20,4	67,7	103,8	115,2	73,6	23923	25000	38 (-1;-3)	55 (-1;-4)

* According to EN ISO 717
All other values are the same as for the DucoMax SR.

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58
→ **Full specifications:** see page 66





Silenzio SR (AK)
Silenzio **Retro** SR

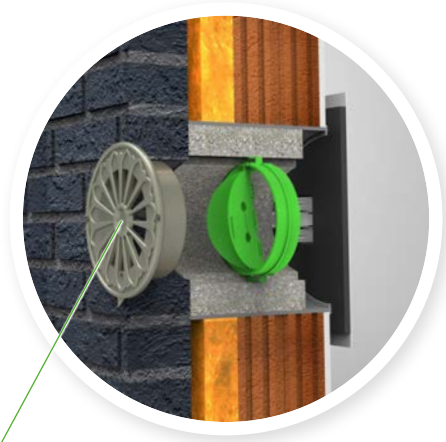
Design wall damper

Silenzio SR (AK) is a wall damper that is eminently suitable for use in refurbishment. Not only has its appearance been given a complete makeover, but from now on the Silenzio also features an SR flap so it can easily be used in one of our ventilation systems. This sound absorbing ventilator has been developed specifically for situations where high noise levels are an issue.

Silenzio Retro SR

The Silenzio Retro SR has been developed specifically for listed buildings with a protected façade. This ventilator can be built into the façade invisibly or be fitted with a discreet rosette grille.

- → **SR-flap** for use within DUCO's ventilation systems
- → 'AK' **acoustic damping** up to 48 dB
- → Simple solution for **renovation projects**
- → **Aesthetic** adjustable inner grid



DUCO external grille, optionally any external grille or a weep hole

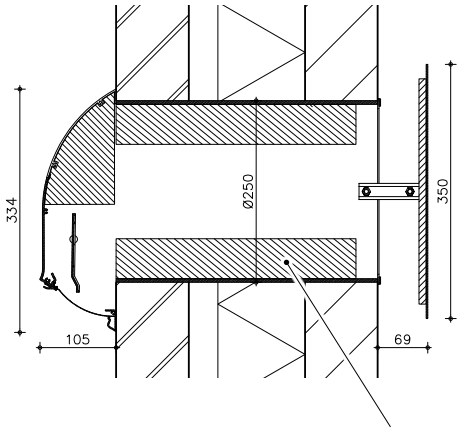
U-value	4,76
Airtightness class closed position	Class 2
Airtightness closed position	300
Watertightness class closed position	9A
Watertightness closed position	600

Standards: consult the table on page 64.

up to **20 m**

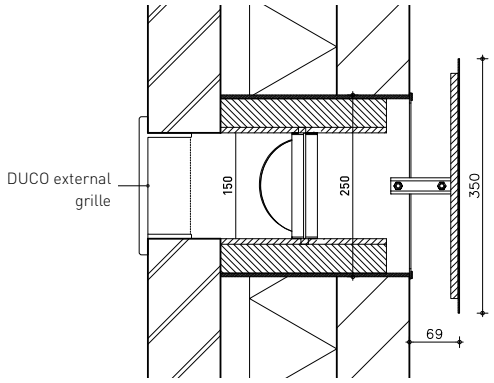
Application height depending on installation situation, see **link.duco.eu/installation-height** for more info.

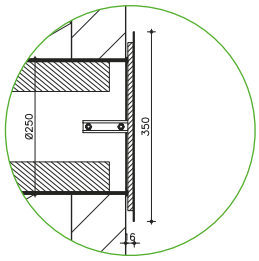
→ **Silenzio** SR (AK)



The Silenzio SR **AK** is equipped with extra sound absorbing material.

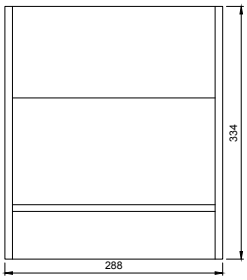
→ **Silenzio Retro** SR



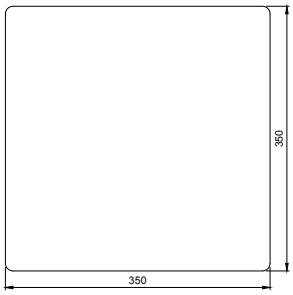


Closed

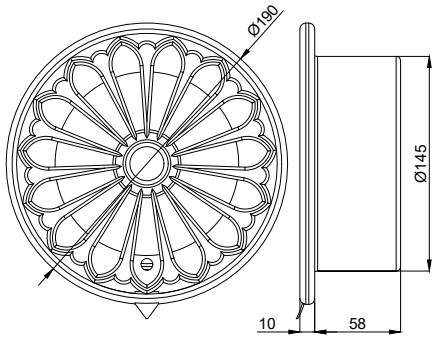
→ External cover Silenzio SR (AK)



→ Inside cover



→ DUCO external grille Silenzio Retro SR



→ General specifications

Feature	Silenzio SR (AK)	Silenzio Retro SR
Outer part	external cover included	optionally with DUCO external grille (RAL 7048 mother of pearl mouse grey)
Tube length	standard 300 mm longer version available as an option	

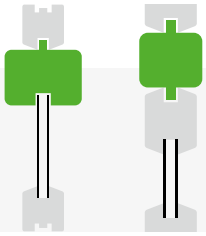
→ Ventilation and sound reduction performance

Type	Airflow (Q) in l/s at...				Airflow (Q) in m³/h at...				Equivalent area at 1 Pa in mm²	Geometrical Free Area in mm²	Sound absorption $D_{n,e,W}$ (C;C_{tr})* in dB	
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa			OPEN position	CLOSED position
Silenzio SR	16,6	16,5	16,4	17,0	59,8	59,4	59,1	61,3	21060	17600	39 (-1;-4)	50 (-2;-5)
Silenzio SR AK	9,0	10,1	10,3	11,3	32,4	36,4	37,1	40,7	11478	17600	48 (-1;-4)	61 (-1;-6)
Silenzio Retro SR** without DUCO external grille	10,7	15,2	10,1	14,9	38,5	54,7	36,4	53,7	13616	17600	43 (-1;-3)	64 (-3;-10)
Silenzio Retro SR with DUCO external grille	9,0	12,9	10,1	14,9	32,4	46,5	36,4	53,7	11453	11500	43 (-1;-3)	64 (-3;-10)

* According to EN ISO 717
** Measured without outside cover. Effective values depend on the outside part.

MORE INFO → **Dimensions & order information:** see page 48 → **Controls & ancillaries:** see page 58 → **Full specifications:** see page 66

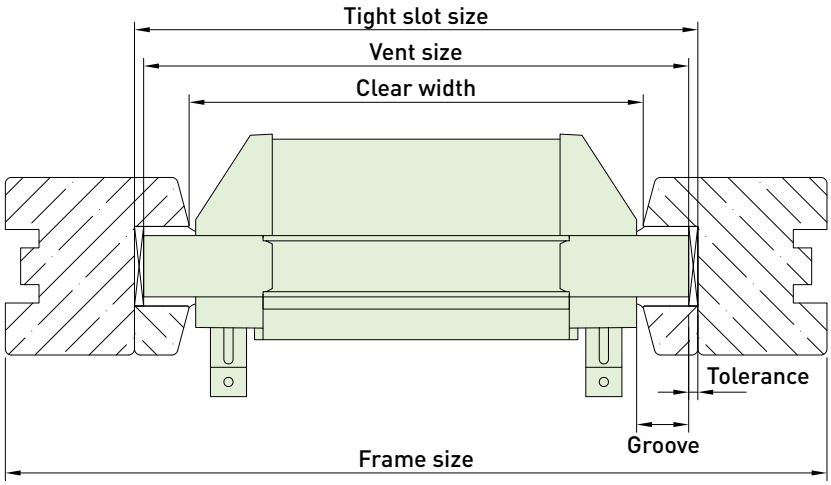
DIMENSIONS AND ORDERING INFORMATION



Fitting over the **glass** & **transom** mounting

Calculating ventilator length

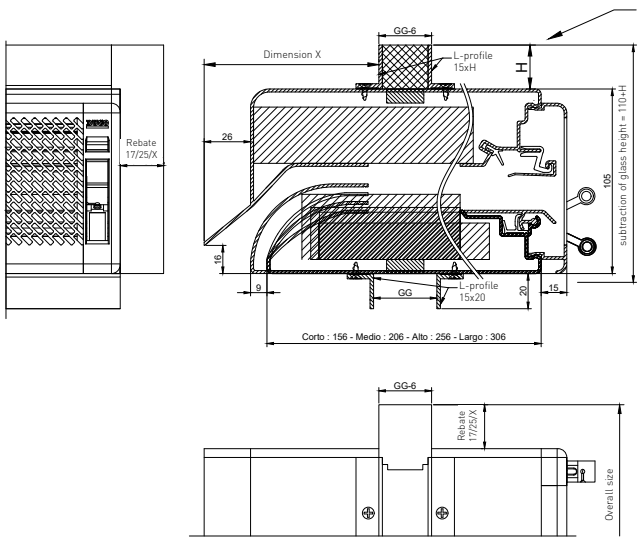
		Vent size = ORDER SIZE	Tolerance (mm)	Rebate (mm)
DucoPlus 45		tight rebate size - 6 mm OR daylight opening + 30 mm	3	18
DucoPlus 60 **DucoTon 80 SR** **DucoKlep 80 SR** **DucoFlat 80 SR**		tight rebate size - 6 mm OR daylight opening + 28 mm	3	17
DucoLine 80 SR	**STANDARD:** with rebate extension **17 mm**	tight rebate size - 6 mm OR daylight opening + 28 mm	3	17
	OPTION: with rebate extension **25 mm**	tight rebate size - 6 mm OR daylight opening + 44 mm		25
DucoMax SR **SkyMax SR**	**STANDARD:** with rebate piece **25 mm**	tight rebate size - 6 mm OR daylight opening + 44 mm	3	25
	OPTION: with rebate piece **17 mm**	tight rebate size - 6 mm OR daylight opening + 28 mm		17
	OPTION: rebate **free to determine**	tight rebate size - 6 mm		free to decide
FireMax EW30 SR (only fitting over glass)		tight rebate size - 10 mm	5	20
FireMax EI30 SR		tight rebate size - 10 mm	5	27
GlasVent 100 SR AK		tight rebate size - 6 mm OR daylight opening + 44 mm	3	25



FITTING OVER GLASS: glazing channels and dimensions

Product	Glazing channel (mm)															Subtraction of glass height (mm)	Vent height (mm)	Maximum vent length under warranty (mm)
	12	16	18	21	26	30	34	38	42	46	48	50	52	54	58	62			
DucoPlus 45						✓	✓	✓									45	60	2400
DucoPlus 60					✓	✓	✓	✓									60	75	2500
DucoTon 80 SR	✓			✓	✓	✓	✓	✓	✓								80	94	2500
DucoKlep 80 SR					✓	✓	✓	✓	✓	✓		✓		✓			80	95	2500
DucoLine 80 SR					✓	✓	✓	✓	✓		✓		✓				80	95	2500
DucoFlat 80 SR						✓	✓	✓									80	95	2500
GlasVent 100 SR AK		✓	✓		✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	100	116	2500
FireMax EW30 SR									✓								85	100	Max glass width (see table on page 35)
FireMax EI30 SR									✓								92	107	Max glass width (see table on page 37)
DucoMax / SkyMax	See drawing and table on page 50																		2500

DUCOMAX - SKYMAX



T1		T2		T3 Corto		T3 Medio-Alto-Largo		T4 Medio		T4 Alto-Largo		T5 Alto		T5 Largo		T6	
GG	X (up)	GG	X (up)	GG	X (up)	GG	X (up)	GG	X (up)	GG	X (up)	GG	X (up)	GG	X (up)	GG	X (up)
26	56	26	106	26	149	26	156	26	199	26	206	26	249	26	256	26	299
28	56	28	106	28	147	28	156	28	197	28	206	28	247	28	256	28	297
30	56	30	102	30	145	30	152	30	195	30	202	30	245	30	252	30	295
32	56	32	106	32	143	32	156	32	193	32	206	32	243	32	256	32	293
34	56	34	106	34	141	34	156	34	191	34	206	34	241	34	256	34	291
36	56	36	106	36	139	36	156	36	189	36	206	36	239	36	256	36	289
38	56	38	106	38	137	38	156	38	187	38	206	38	237	38	256	38	287
40	56	40	97	40	135	40	147	40	185	40	197	40	235	40	247	40	285
42	56	42	106	42	133	42	156	42	183	42	206	42	233	42	256	42	283
44	56	44	106	44	131	44	156	44	181	44	206	44	231	44	256	44	281
46	56	46	106	46	129	46	156	46	179	46	206	46	229	46	256	46	279
48	56	48	106	48	127	48	156	48	177	48	206	48	227	48	256	48	277
50	56	50	92	50	125	50	142	50	175	50	192	50	225	50	242	50	275
52	56	52	91	52	123	52	141	52	173	52	191	52	223	52	241	52	273
54	56	54	90	54	121	54	140	54	171	54	190	54	221	54	240	54	271
56	56	56	89	56	119	56	139	56	169	56	189	56	219	56	239	56	269
58	56	58	88	58	117	58	138	58	167	58	188	58	217	58	238	58	267
60	56	60	87	60	115	60	137	60	165	60	187	60	215	60	237	60	265
62	56	62	86	62	113	62	136	62	163	62	186	62	213	62	236	62	263
64	56	64	85	64	111	64	135	64	161	64	185	64	211	64	235	64	261

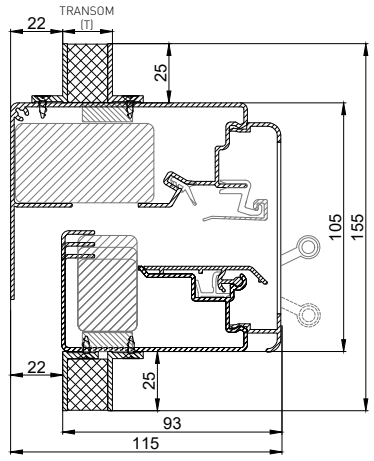
GLAZING RUBBER APPLICATION

Silicon-free glazing rubber	Glazing channel (mm)																Glass thickness (mm)								
	12	16	18	21	26	30	34	38	42	46	48	50	52	54	58	62	64	6	8-12	15	20-24	26-30	32-36	38-44	46-50	52-58
12	✓																	✓								
21				✓																✓						
26 - 30					✓	✓															✓					
32 - 36							✓															✓				
38 - 42								✓	✓														✓			
44 - 50										✓	✓	✓												✓		
52 - 56													✓	✓											✓	
58 - 64															✓	✓	✓									✓

TRANSOM MOUNTING: transom profiles and dimensions

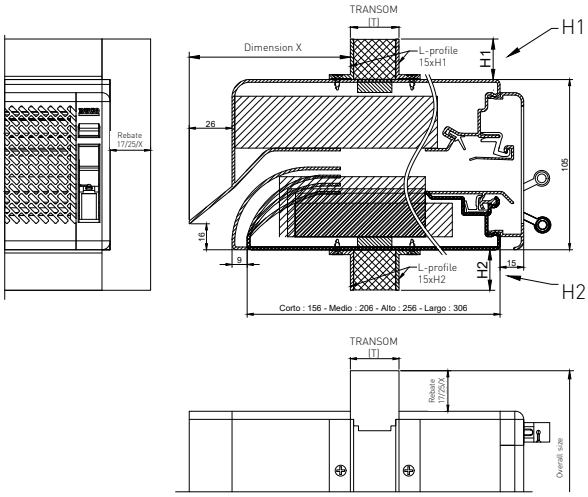
Product	Transom profile (mm)			With transom section ... x ... (mm)			Vent height (mm)	Maximum vent length under warranty (mm)
	20	21	24	40 x 20	40 x 25	40 x 35		
DucoTon 80 SR		✓					104	2500
DucoKlep 80 SR	✓		✓				105	2500
DucoLine 80 SR				✓	✓	✓	120	2500
DucoFlat 80 SR			✓				105	2500
GlasVent 100 SR AK				✓	✓	✓	140	2500
MiniMax SR		✓	✓				155	4000
DucoMax SR	TX = Transom profile can be freely determined						Depending on the L-profile used	4000
SkyMax SR	TX = Transom profile can be freely determined						Depending on the L-profile used	2500

MINIMAX



* Contact DUCO for application of the MiniMax SR in transom mounting for sizes other than those listed above.

DUCOMAX - SKYMAX



H1: DucoMax - SkyMax: 25 mm
DucoMax - SkyMax: 35 mm
DucoMax - SkyMax: 45 mm

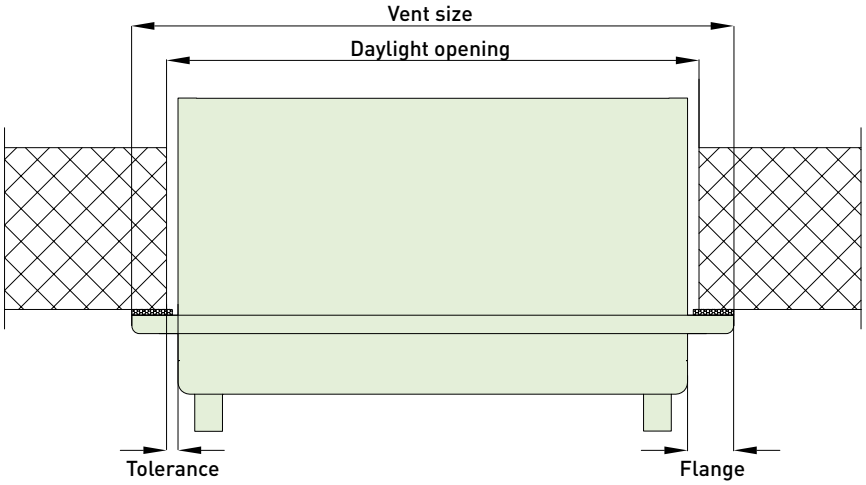
H2: DucoMax - SkyMax: 25 mm
DucoMax - SkyMax: 35 mm
DucoMax - SkyMax: 45 mm

T1		T2		T3 Corto		T3 Medio-Alto-Largo		T4 Medio		T4 Alto-Largo		T5 Alto		T5 Largo		T6	
T	X (up)	T	X (up)	T	X (up)	T	X (up)	T	X (up)	T	X (up)	T	X (up)	T	X (up)	T	X (up)
18	55	18	105	18	155	18	155	18	205	18	205	18	255	18	255	18	305
20	52	20	102	20	152	20	152	20	202	20	202	20	252	20	252	20	302
21	52	21	102	21	152	21	152	21	202	21	202	21	252	21	252	21	302
22	52	22	102	22	152	22	152	22	202	22	202	22	252	22	252	22	302
24	52	24	102	24	150	24	152	24	200	24	202	24	250	24	252	24	300
26	52	26	105	26	147	26	155	26	197	26	205	26	247	26	255	26	297
28	52	28	97	28	146	28	147	28	196	28	197	28	246	28	247	28	296
30	56	30	106	30	143	30	156	30	193	30	206	30	243	30	256	30	293
32	55	32	105	32	141	32	155	32	191	32	205	32	241	32	255	32	291
34	55	34	102	34	139	34	152	34	189	34	202	34	239	34	252	34	289
36	52	36	102	36	137	36	152	36	187	36	202	36	237	36	252	36	287
38	52	38	102	38	135	38	152	38	185	38	202	38	235	38	252	38	285
40	52	40	102	40	133	40	152	40	183	40	202	40	233	40	252	40	283
42	52	42	102	42	131	42	152	42	181	42	202	42	231	42	252	42	281
44	52	44	92	44	129	44	142	44	179	44	192	44	229	44	242	44	279
46	52	46	91	46	127	46	141	46	177	46	191	46	227	46	241	46	277
48	52	48	90	48	125	48	140	48	175	48	190	48	225	48	240	48	275
50	52	50	89	50	123	50	139	50	173	50	189	50	223	50	239	50	273
52	52	52	88	52	121	52	138	52	171	52	188	52	221	52	238	52	271
54	52	54	87	54	119	54	137	54	169	54	187	54	219	54	237	54	269
56	52	56	86	56	117	56	136	56	167	56	186	56	217	56	236	56	267
58	52	58	86	58	115	58	136	58	165	58	186	58	215	58	236	58	265

'Invisible' mounting on the window frame

Dimensions

	Vent size = ORDER SIZE	Toler-ance (mm)	Flange (mm)	Built-in height (mm)	Vent height (mm)	Maximum vent length under warranty (mm)
TopVent CK SR SkyVent CK SR	clear width + 20 mm	5	15	65	60	4000
DucoMax SR	daylight opening + 30 mm	5	20	115	145	4000
DucoMax SR HD				115	145	2500
SkyMax SR				115	145	2500
FireMax EW90 SR				85	120	2500
MiniMax SR				115	145	4000

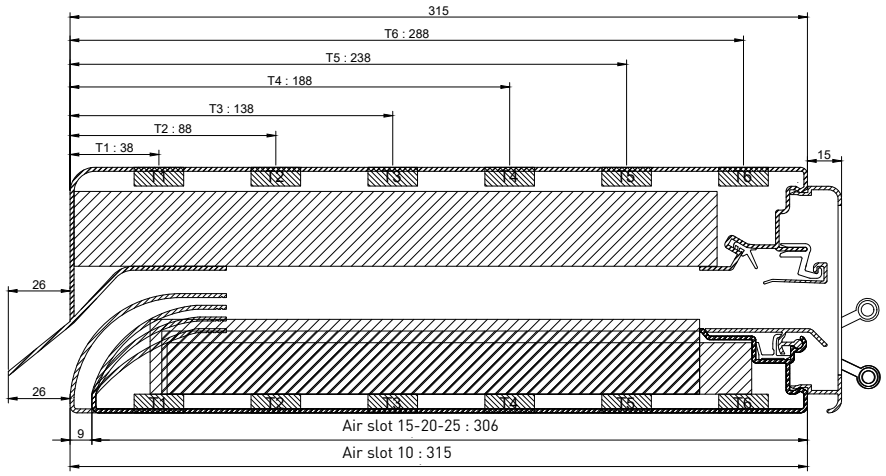


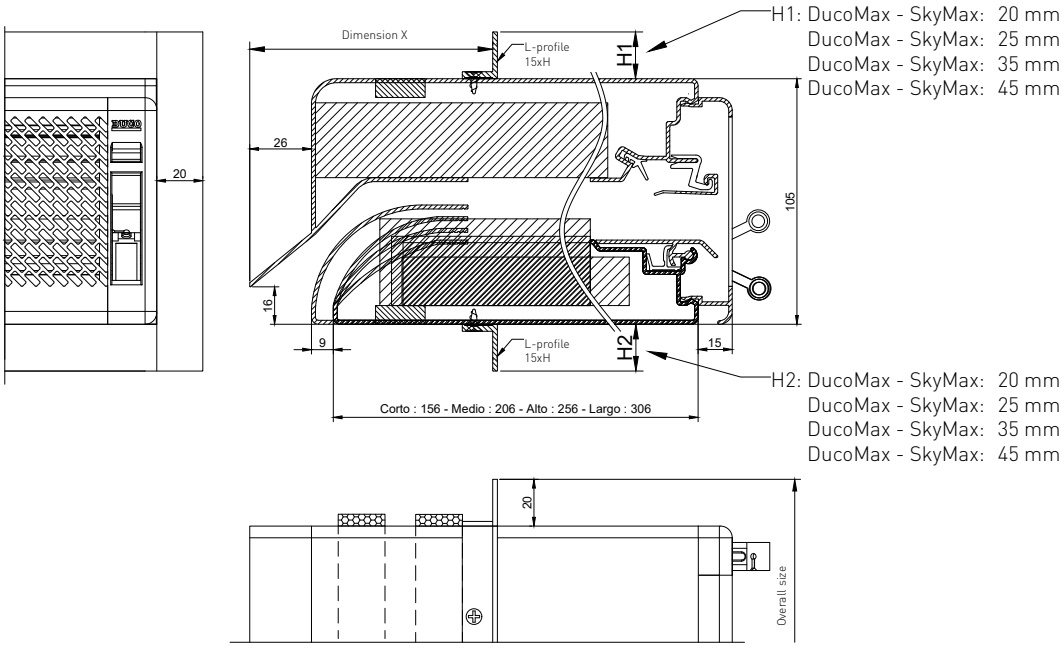
Determining dimension X

For 'invisible' mounting on the window frame of **DucoMax SR** or **SkyMax SR**, it is important to indicate the correct position of the L-profile. It is determined correctly by measuring the distance between the nose of the acoustic window ventilators and the beginning of the L section. This is known as dimension X and is expressed in mm. The dimension X for the **FireMax SR** is fixed at 104 mm. The dimension X for **TopVent CK SR** is fixed at 120 mm for Medio, 170 mm for Alto and 220 mm for Largo. **TopVent CK SR**, **DucoMax SR** or **SkyMax SR** are fitted with plastic side pieces as standard for 'invisible' mounting on the window frame. Steel side pieces are provided for **FireMax SR**.

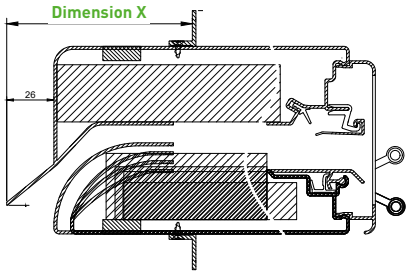
→ DucoMax SR / SkyMax SR

Thermal interruption	Corto (mm)	Medio (mm)	Alto (mm)	Largo (mm)
T1	89-92	89-92	89-92	89-92
	102 - 142	102 - 142	102 - 142	102 - 142
	152 - 171	152 - 192	152 - 192	152 - 192
		202 - 221	202 - 221	202 - 221
			241 - 242	241 - 242
			252 -271	252 - 292
				302 - 321
T2	139 - 142	139 - 142	139 - 142	139 - 142
	152 - 171	152 -192	152 -192	152 -192
		202 -221	202 - 242	202 - 242
			252 - 271	252 - 271
				291 - 292
				302 -321
T3	186	189 - 192	189 - 192	189 - 192
		202 - 221	202 - 242	202 -242
			252 - 271	252 - 292
				302 - 321
T4		236	239 -242	239 -242
			252 - 271	252 - 292
				302 - 321
T5			289	289 - 292
				302 - 321
T6				336



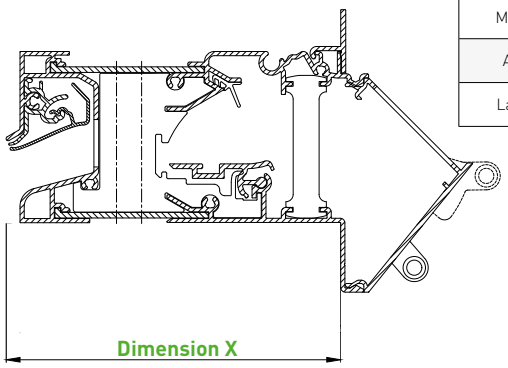


→DucoMax SR HD



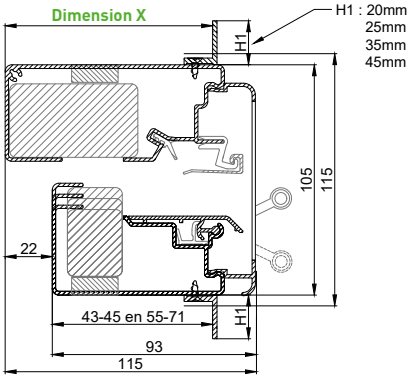
Dimension X (mm)
DucoMax SR HD
roof thickness + 36 mm

→ TopVentCK SR



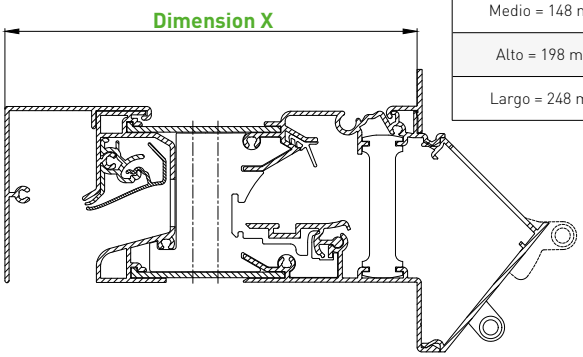
Dimension X (mm)
TopVent CK SR
Medio = 120 mm
Alto = 170 mm
Largo = 220 mm

→MiniMax SR



Dimension X (mm)
MiniMax SR
65 - 67
77 - 93

→ SkyVentCK SR

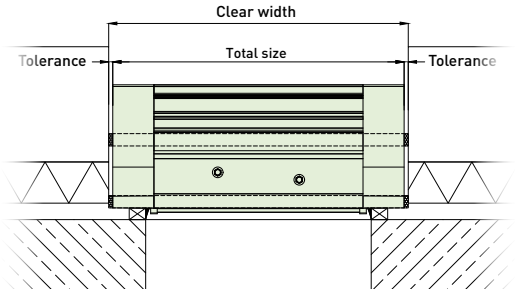


Dimension X (mm)
SkyVent CK SR
Medio = 148 mm
Alto = 198 mm
Largo = 248 mm

On **top** of the window frame

Dimensions

	Vent size = ORDER SIZE	Built-in height (mm)	Vent height (mm)	Toler-ance (mm)	Maximum vent length under warranty (mm)
TopVent BE SR (AK+)	window size	65	60	5	4000
SkyVent BE SR (AK+)	window size	70	65	5	4000
DucoMax SR SkyMax SR	window size	115	105	5	4000



ORDER INFO

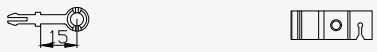
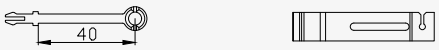
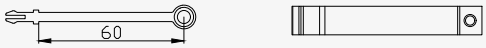
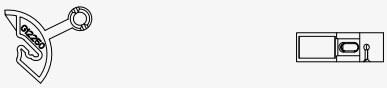
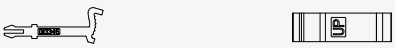
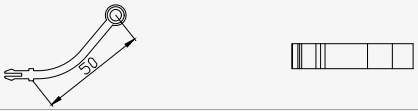
Order forms are available on request. Please contact DUCO 'Ventilation & Sun Control' for further information. Tel.: 0032-58 33 00 33 - E-mail: info@duco.eu

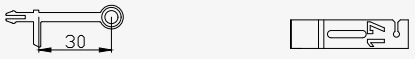
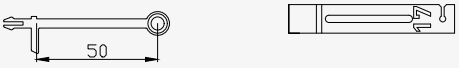
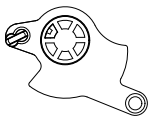
SkyMax SR

Jheronimus tower | Den Bosch (The Netherlands)

CONTROLS

→ Handles

Type	Description	Oder no.
	Handle 10	WHITE 1377 CREAM 1464 GREY 1378 BLACK 1379
	Handle 15	WHITE 1200 CREAM 1469 GREY 1201 BLACK 1202
	Handle 30	WHITE 1203 CREAM 1481 GREY 1204 BLACK 1205
	Handle 40	WHITE 1206 CREAM 1482 GREY 1207 BLACK 1208
	Handle 50	WHITE 1209 CREAM 1483 GREY 1210 BLACK 1211
	Handle 60	WHITE 1212 CREAM 1484 GREY 1213 BLACK 1214
	Handle 70	WHITE 1215 CREAM 1485 GREY 1216 BLACK 1217
	Flap Handle 15	WHITE 1468 BLACK 1436
	Short Thumb Handle	BLACK 13001
	Long Thumb Handle	BLACK 13011
	Curved Handle 15	WHITE 1269 BLACK 1268
	Curved Handle 50	WHITE 1257 CREAM 1495 GREY 1258 BLACK 1259
	Handle B12	WHITE 00001277 BLACK 00001278

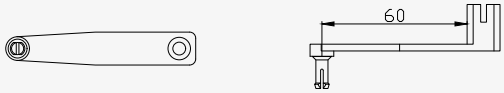
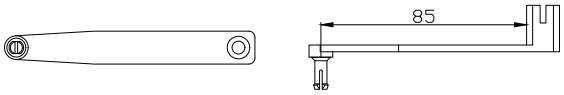
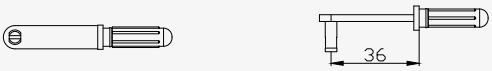
Type	Description	Oder no.
	Handle DucoLine 30 / 10	WHITE 2403 CREAM 2406 GREY 2405 BLACK 2404
	Handle DucoLine 30 / 17	WHITE 2407 CREAM 2410 GREY 2409 BLACK 2408
	Handle DucoLine 50 / 10	WHITE 2602 CREAM 2604 GREY 2603 BLACK 2601
	Handle DucoLine 50 / 17	WHITE 2606 CREAM 2608 GREY 2607 BLACK 2605
	Handle TopVent CK Right	WHITE 32200057 BLACK 32200052
	Handle TopVent CK Left	WHITE 32200058 BLACK 32200053
	Handle TopVent BE Corto Right	WHITE 32200006 BLACK 32200004
	Handle TopVent BE Corto Left	WHITE 32200007 BLACK 32200005
	Handle TopVent BE Medio / Alto / Largo Right	WHITE 32200018 BLACK 32200016
	Handle TopVent BE Medio / Alto / Largo Left	WHITE 32200019 BLACK 32200017
	Handle GlasVent Right	WHITE 08171918 GREY 08171919 BLACK 08171917
	Handle GlasVent Left	WHITE 08171921 GREY 08171922 BLACK 08171920

STANDARD HANDLES

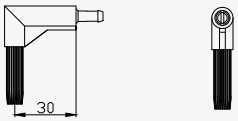
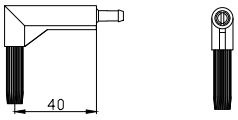
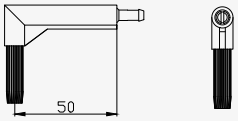
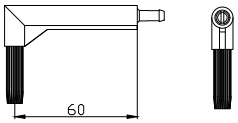
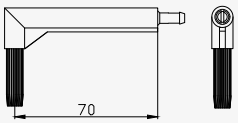
DucoFlat 80 SR	Handle 10
DucoTon 80 SR	Handle 15
DucoPlus 45	Handle B12
DucoPlus 60	Handle 30
DucoKlep 80 SR	
• glass thickness 20, 24, 28 and 32 mm	Handle 40
• glass thickness 36 mm	Handle 50
• glass thickness 40, 44 and 48 mm	Handle 60
DucoLine 80 SR	Handle 30 Handle DucoLine 30 / 17 Handle DucoLine 30 / 10

GlasVent 100 SR AK	Handle GlasVent
FireMax SR **MiniMax SR** **DucoMax SR** **SkyMax SR**	Flap Handle 15
Silenzio (Retro) SR (AK) **DucoStrip** **DucoStrip Acoustic**	Manual
TopVent CK SR (AK+) **SkyVent CK SR (AK+)**	Handle TopVent CK
TopVent BE SR (AK+) **SkyVent BE SR (AK+)**	Handle TopVent BE (type depending on cassette depth)

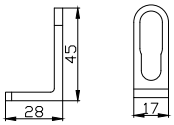
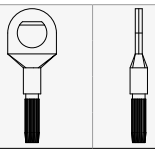
→ Handle extension & straight linkage rod

Type	Description	Oder no.
	Handle extension 35	WHITE 1236 CREAM 1496 GREY 1237 BLACK 1238
	Handle extension 60	WHITE 1239 CREAM 1497 GREY 1240 BLACK 1241
	Handle extension 85	BLACK 171
	Straight linkage rod	WHITE 1270 CREAM 1493 GREY 1271 BLACK 1272

→ Angled linkage

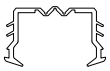
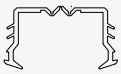
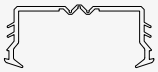
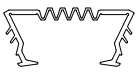
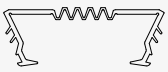
Type	Description	Oder no.
	Angled linkage 20	WHITE 1218 CREAM 1486 GREY 1219 BLACK 1220
	Angled linkage 30	WHITE 1221 CREAM 1487 GREY 1222 BLACK 1223
	Angled linkage 40	WHITE 1224 CREAM 1488 GREY 1225 BLACK 1226
	Angled linkage 50	WHITE 1227 CREAM 1489 GREY 1228 BLACK 1229
	Angled linkage 60	WHITE 1230 CREAM 1490 GREY 1231 BLACK 1232
	Angled linkage 70	WHITE 1233 CREAM 1491 GREY 1234 BLACK 1235

→ Miscellaneous

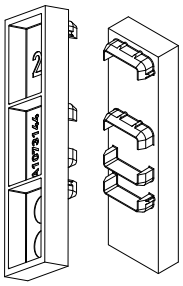
Type	Description	Oder no.
	Vertical rod guide	WHITE 1242 CREAM 1492 GREY 1243 BLACK 1244
	Cord end cap	WHITE 1275
	Rod end cap	BLACK 1247
	Mobile rod end	WHITE 1621 CREAM 1624 GREY 1622 BLACK 1620

ANCILLARIES

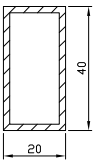
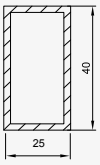
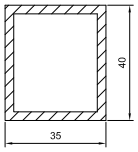
→ Glazing rubber

Type	Description	Oder no.
	Rubber GG 12	1330
	Rubber GG 21	1331
	Rubber GG 26-30	1334
	Rubber GG 32-36	1337
	Rubber GG 38-42	1900
	Rubber GG 44-50	1880
	Rubber GG 52-56	1917
	Rubber GG 58-64	1918

→ Rebate extension 17>25 mm

Type	Description	Oder no.
	Rebate extension piece for GG 26	2480
	Rebate extension piece for GG 30	2481
	Rebate extension piece for GG 34	2482
	Rebate extension piece for GG 38	2483
	Rebate extension piece for GG 42	2484
	Rebate extension piece for GG 48	2485
	Rebate extension piece for GG 52	2486

→ Transom profiles

Type	Description	Oder no.
	Transom profile 40 x 20 Black	23190
	Transom profile 40 x 25 Black	23189
	Transom profile 40 x 35 Black	23191

SERVICE PLEASE!

To provide the best support for your project, you will not only find **sectional and installation drawings** on the DUCO website. A wide range of **manuals**, **test reports and certificates** are also available on request. And there's more! Find out what DUCO can do for you below.

We inspire at
www.duco.eu

Ventilation calculation → www.ventilatieberekening.be

To help you make the right choice of ventilation system, DUCO provides free online calculation tools. These are very accessible and precise. Moreover, the results are immediately visible.

BIM library → www.duco.eu/bim

All products in this library are freely available in the most common formats, such as Autodesk Revit.

TAILORED **ADVICE**

DUCO offers tailored expertise & services for specifiers, and has a dedicated unit to advise and support architects, engineering offices and consultancies.

Any questions? Contact us at info@duco.eu
or call +32 58 33 00 33 for tailored advice!

MOUNTING

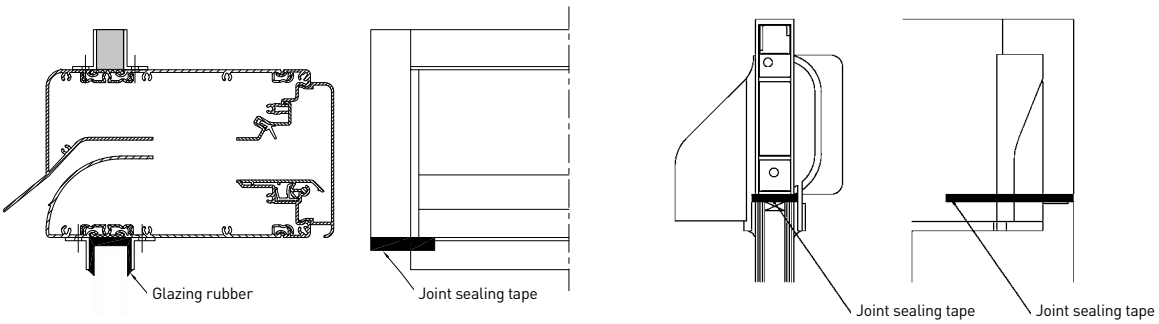
Refer to mounting instructions per type of window ventilator at www.duco.eu for correct mounting.

For glass-mounted window ventilators:

Wooden windows with sealed glazing
→ Glazing based on NPR 3577

Wooden windows with dry glazing
→ Always use the right rubber, in accordance with the chosen glazing channel

Aluminium and plastic windows with dry glazing
→ Use the correct glazing beads from the window manufacturer



WARRANTY

You can find the warranty statement at www.duco.eu/warranty

The DUCO website also contains user manuals, instructions for installation, safety, operation and maintenace.

TECHNICAL SPECIFICATIONS

→ Ventilation values

				TopVent CK SR SkyVent CK SR STD see p. 8 / 10			TopVent CK SR SkyVent CK SR AK see p. 8 / 10			TopVent CK SR SkyVent CK SR AK+ see p. 8 / 10			TopVent BE SR SkyVent BE SR STD see p. 12 / 14				TopVent BE SR SkyVent BE SR AK see p. 12 / 14			
Feature		**Regulation**	**Unit**	**Medio**	**Alto**	**Largo**	**Medio**	**Alto**	**Largo**	**Medio**	**Alto**	**Largo**	**Corto**	**Medio**	**Alto**	**Largo**	**Corto**	**Medio**	**Alto**	**Largo**
Flow rate (Q)	**at 1 Pa**	EN 13141-1	l/s/m	12,3			12,6			7,6			12,2				12,2			
	at 2 Pa			17,3			19,2			10,4			18,1				18,1			
	at 10 Pa			20,7			19,3			11,8			21,9				21,9			
	at 20 Pa			22,6			19,0			13,9			21,9				21,9			
	at 1 Pa	EN 13141-1	m³/h/m	44,2			45,4			27,3			43,9				43,9			
	at 2 Pa			62,2			69,0			37,3			69,0				69,0			
	at 10 Pa			74,6			69,4			42,4			83,0				83,0			
	at 20 Pa			81,5			68,3			50,1			78,9				78,9			
Equivalent area at 1 Pa		EN 13141-1	mm²/m	15616,1			16040,1			9645,2			15517,2				15517,2			
Geometrical Free Area		EN 13141-1	mm²/m	17000			17000			12000			17000				17000			
U-value closed position		EN 10077-2	W/m²K	3,59	3,18	3,04	2,24	1,84	1,67	1,98	1,67	1,44	4,14	4,12	3,60	3,42	4,14	4,12	3,60	3,42
Self-regulating		EN 13141-1		yes			yes			yes			yes				yes			
Airtightness class		EN 12207	Class	Class 4			Class 4			Class 4			Class 4				Class 4			
Airtightness closed position		EN 1026	Pa	600			600			600			600				600			
Water tightness class		EN 12208	Class	E1350			E1350			E1350			E1350				E1350			
Watertightness closed position		EN 1027	Pa	1350			1350			1350			1350				1350			
Leakage rate 50 Pa closed position		EN 13141	m³/h*m	0,200			0,200			0,200			0,173				0,173			
Insect-resistant				yes			yes			yes			yes				yes			

→ Sound reduction

Feature		**Regulation**	**Unit**	**Medio**	**Alto**	**Largo**	**Medio**	**Alto**	**Largo**	**Medio**	**Alto**	**Largo**	**Corto**	**Medio**	**Alto**	**Largo**	**Corto**	**Medio**	**Alto**	**Largo**
$Dn_{e,}W$ open position		EN ISO 717	dB	28	28	28	33	35	37	36	38	40	31	31	31	31	33	34	36	37
C open position		EN ISO 717	dB	0	0	0	-1	-1	-1	-2	-1	0	-1	-1	-1	-1	0	0	-1	0
C_{tr} open position		EN ISO 717	dB	-1	-1	-1	-2	-2	-2	-3	-3	-2	-2	-2	-2	-2	-1	-2	-2	-2
$Dn_{e,}W$ closed position		EN ISO 717	dB	48	48	48	51	55	54	52	56	59	43	47	47	47	43	52	55	56
C closed position		EN ISO 717	dB	-1	-1	-1	-1	0	0	-1	-1	-1	0	0	0	0	0	-1	0	-1
C_{tr} closed position		EN ISO 717	dB	-2	-2	-2	-3	-3	-3	-3	-4	-5	-1	-2	-2	-2	-1	-3	-3	-4
Octave band values	at 125 Hz		dB	30,1	30,1	30,1	31,2	32,8	35,1	32,8	33,6	37,4	30,3	30,3	30,3	30,3	30,0	30,8	31,6	36,6
	at 250 Hz		dB	31,3	31,3	31,3	32,9	33,9	34,8	33,5	33,5	35,9	32,7	32,7	32,7	32,7	32,7	32,9	34,5	35,6
	at 500 Hz		dB	24,6	24,6	24,6	28,0	28,6	29,9	29,7	32,7	33,4	26,7	26,7	26,7	26,7	30,5	28,9	29,6	30,5
	at 1000 Hz		dB	25,3	25,3	25,3	30,9	33,5	35,5	33,6	35,7	40,0	28,0	28,0	28,0	28,0	31,1	33,0	34,9	36,3
	at 2000 Hz		dB	31,7	31,7	31,7	40,1	44,8	48,3	40,5	46,4	53,4	34,6	34,6	34,6	34,6	35,4	38,9	45,4	50,4

→ General specifications

Feature	**Unit**	**Medio**	**Alto**	**Largo**	**Medio**	**Alto**	**Largo**	**Medio**	**Alto**	**Largo**	**Corto**	**Medio**	**Alto**	**Largo**	**Corto**	**Medio**	**Alto**	**Largo**
RAL finish		DAR/Ral/Bi-Color			DAR/Ral/Bi-Color			DAR/Ral/Bi-Color			DAR/Ral/Bi-Color				DAR/Ral/Bi-Color			
SAA finish		no			no			no			no				no			
Colour anodisation finish		no			no			no			no				no			
Standard control		handle			handle			handle			handle				handle			
Split as from drum / flap length	mm	1310			1310			1310			1310				1310			
Cord can be mounted after mounting		n/a			n/a			n/a			n/a				n/a			
End cap colours		□■			□■			□■			□■				□■			

Legend

dB:
Sound pressure level.

dB(A):
Weighted sound pressure level or the perception by the human ear.

$D_{n,e,}W$ ($C;C_{tr}$):
Weighted standardised sound pressure level difference of small building elements, in relation to the reference curve for airborne sound insulation.

$D_{n,e,}A$ (open position):
A-weighted sound pressure level difference of small building elements, taking into account characteristic neighbour noise
($D_{n,e,}A = D_{n,e,}W + C$).

$D_{n,e,}A_{tr}$:
A-weighted sound pressure level difference of small building elements, taking into account characteristic traffic noise
($D_{n,e,}A_{tr} = D_{n,e,}W + C_{tr}$).

$R_{q,}A_{tr}$:
A-weighted airborne sound insulation of a building element or structure, taking into account a standardised air velocity and pressure and characteristic traffic noise.

TopVent BE SR SkyVent BE SR AK+		TopVent BE SR SkyVent BE SR UK AK EA5000				TopVent BE SR SkyVent BE SR UK AK EA7500				TopVent BE SR SkyVent BE SR UK AK EA10000				Duco Plus 45	Duco Plus 60	DucoTon 80 SR	DucoKlep 80 SR	DucoLine 80 SR			Duco Flat 80 SR
see p. 12 / 14		see p. 12 / 14				see p. 12 / 14				see p. 12 / 14				see p. 16	see p. 18	see p. 20	see p. 22	see p. 24			see p. 26
Alto	Largo	Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo					10	17	23	
8,3		4,0				5,9				7,9				7,1	11,2	10,2	15,2	10,7	17,4	22,6	11,5
12,5		5,9				8,7				11,7				10,03	15,8	12,3	15,5	16,4	23,0	29,6	13,8
15,8		7,2				10,6				14,2				22,5	34,9	15,7	15,6	14,4	21,0	27,4	19,0
13,9		7,2				10,6				14,2				32,0	48,1	15,5	12,9	49,1	75,7	98,7	18,1
29,9		14,4				21,2				28,4				25,56	40,3	36,7	54,7	38,5	62,6	81,4	41,4
48,0		21,3				31,4				42,1				36,1	56,7	44,3	55,9	59	82,8	106,7	49,7
58,0		25,9				38,2				51,2				81,0	125,6	56,6	56,3	52	75,5	98,5	68,3
49,9		25,9				38,2				51,1				115,1	173,1	55,8	46,5	176,8	272,5	355,3	65,3
10556,8		5600				8200				11000				9008	14224	12976	19342	13615,8	22141,5	28758,5	14685
12000		17000				17000				17000				10000	15000	14400	19200	10800	19300	29500	15000
3,60	3,42	4,14	4,12	3,60	3,42	4,14	4,12	3,60	3,42	4,14	4,12	3,60	3,42	1,84	4,02	2,26	2,40	2,81			3,00
yes		yes				yes				yes				no	no	yes	yes	yes			yes
Class 4		Class 4				Class 4				Class 4				Class 2	Class 3	Class 3	Class 2	Class 2			Class 3
600		600				600				600				450	650	650	450	450			650
E1350		E1350				E1350				E1350				E900	E650	8A	E650	E700			5A
1350		1350				1350				1350				900	650	450	650	700			200
0,173		0,173				0,173				0,173				0,4	0,6	0,6	0,9	0,9			0,3
yes		yes				yes				yes				yes	yes	yes	yes	yes			yes
Alto	Largo	Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo					10	17	23	
38	40	38	40	41	43	36	38	40	41	35	36	38	39	25	25	27	25	29	28	26	27
-1	0	0	-1	-1	0	0	-1	-1	-1	0	0	-1	0	0	0	-1	0	-1	-1	0	0
-3	-2	-1	-2	-2	-2	-1	-2	-2	-2	-1	-2	-2	-2	0	0	-1	-1	-2	-2	0	-1
55	56	53	52	54	58	52	52	54	58	51	52	54	58	41	39	34	37	33	33	33	44
0	-1	0	-1	-1	-1	0	-1	-1	-1	0	-1	-1	-1	-1	-1	0	0	-1	-1	-1	0
-3	-4	-2	-3	-4	-4	-2	-3	-3	-4	-1	-3	-3	-4	-2	-1	-1	0	-2	-2	-2	0
32,8	38,0	35,9	36,8	36,5	40,5	34	34,5	35	38,6	32,6	33,2	33,5	37	25,5	27,8	25,9	24,2	26,4	24,7	23,9	27,2
35,6	37,7	37,9	38	38,2	41,9	36	36,2	37,8	39,8	34,8	35	36,1	38,6	29,1	27,1	28,4	25,6	28,4	27,4	26,9	27,3
30,9	33,4	36	34,8	35,2	36,7	33,7	32,5	33,7	34,1	32,2	31	31,8	32,2	28,3	26,2	26,9	24,9	29,5	28,5	28,1	24,3
36,7	39,3	36,7	37,7	39,4	41	34,5	36,1	38,4	39,2	33,5	34,8	36,9	37,7	25,7	27,0	25,6	23,3	24,7	24,7	24,5	25,6
47,7	51,4	39,4	43,8	47,8	54,8	38,7	42,5	47,8	53,7	37,1	41	46,8	52,7	23,1	26,7	27,6	25,7	29,4	28,3	26,3	27,3
Alto	Largo	Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo								
DAR/Ral/ Bi-Color		DAR/Ral/Bi-Color				DAR/Ral/Bi-Color				DAR/Ral/Bi-Color				DAR/Ral/ Bi-Color	DAR/Ral/ Bi-Color	DAR/Ral/ Bi-Color	DAR/Ral/ Bi-Color	DAR/Ral/Bi-Color			DAR/Ral/ Bi-Color
no		no				no				no				yes	yes	yes	yes	yes			yes
no		no				no				no				yes	yes	yes	yes	yes			yes
handle		handle				handle				handle				handle B12	handle 30	handle 15	handle 40	handle 30/10	handle 30/17	handle 30	handle 10
1310		1310				1310				1310				1200	1500	1500	1500	1500			1500
n/a		n/a				n/a				n/a				n/a	n/a	no	yes	yes			yes

End cap colours

white cream grey black

TECHNICAL SPECIFICATIONS

→ Ventilation values

Feature		Regulation	Unit	DucoStrip see p. 28		DucoStrip Acoustic see p. 30						GlasVent 100 SR AK see p. 32	FireMax EW SR see p. 34			FireMax EI SR see p. 36		
				Slim-line	Wide-line	2500 EA			5000 EA				15	20	25	15	20	25
						Double Acoustic	Acoustic Inside	Acoustic Outside	Double Acoustic	Acoustic Inside	Acoustic Outside							
Flow rate (Q)	**at 1 Pa**	EN 13141-1	l/s/m	2.03 / pc	4.1 / pc	2.5 / pc	2.8 / pc	2.7 / pc	3.9 / pc	4.2 / pc	4.2 / pc	15,6	21,1	24,1	28,6	15,9	21,1	24,1
	at 2 Pa			2.9 / pc	5.8 / pc	3.5 / pc	3.9 / pc	3.8 / pc	5.6 / pc	5.9 / pc	6.1 / pc	21,5	24,6	30,4	34,4	18,2	24,6	30,4
	at 10 Pa			6.6 / pc	12.6 / pc	8.0 / pc	9.0 / pc	8.8 / pc	12.7 / pc	13.2 / pc	13.8 / pc	29,1	20,7	27,6	29,3	16,8	20,7	27,6
	at 20 Pa			8.9 / pc	17.0 / pc	11.4 / pc	12.9 / pc	12.6 / pc	18.0 / pc	18.5 / pc	19.4 / pc	25,5	21,7	22,9	29,1	13,8	21,7	22,9
	at 1 Pa	EN 13141-1	m³/h/m	7.3 / pc	14.8 / pc	9.0 / pc	10.1 / pc	9.7 / pc	14.0 / pc	15.1 / pc	15.1 / pc	56,2	76,0	86,8	103,0	57,2	76,0	86,8
	at 2 Pa			10.4 / pc	20.9 / pc	12.6 / pc	14.0 / pc	13.7 / pc	20.2 / pc	21.2 / pc	22.0 / pc	77,4	88,4	109,3	123,9	65,6	88,4	109,3
	at 10 Pa			23.8 / pc	45.4 / pc	28.8 / pc	32.4 / pc	31.7 / pc	45.7 / pc	47.5 / pc	49.7 / pc	104,8	74,6	99,3	105,3	60,3	74,6	99,3
	at 20 Pa			32.2 / pc	61.6 / pc	41.0 / pc	46.4 / pc	45.4 / pc	64.8 / pc	66.6 / pc	69.8 / pc	91,8	78,1	82,6	104,8	49,6	78,1	82,6
Equivalent area at 1 Pa		EN 13141-1	mm²/m	2581 / pc	5263 / pc	3040 / pc	3346 / pc	3543 / pc	5046 / pc	5263 / pc	5394 / pc	19841,6	26850	30667	36394	20233	26850	30667
Geometrical Free Area		EN 13141-1	mm²/m	3000 / pc	6500 / pc	4511 / pc			6450 / pc			17000	15000	20000	25000	10000	15000	25000
U-value		EN 10077-2	W/m²K	-		-						2,09	1,56			1,56		
Self-regulating		EN 13141-1		no		no						yes	yes			yes		
Airtightness class		EN 12207	Class	Class 2		Class 2						Class 3	Class 3			Class 3		
Airtightness closed position		EN 1026	Pa	300		300						600	600			600		
Water tightness class		EN 12208	Class	5A		9A						E600	E1050			E1050		
Watertightness closed position		EN 1027	Pa	200		600						600	1050			1050		
Leakage rate 50 Pa closed position		EN 13141	m³/h*m	2,45	4,20	1,76			2,23			0,79	0,2			0,2		
Insect-resistant				yes		yes						yes	yes			yes		

→ Sound reduction

Feature		Regulation	Unit	Slim-line	Wide-line	2500 EA			5000 EA				15	20	25	15	20	25
						Double Acoustic	Acoustic Inside	Acoustic Outside	Double Acoustic	Acoustic Inside	Acoustic Outside							
$Dn_{,e,}W$ open position		EN ISO 717	dB	32	28	42	37	37	37	34	34	33	35	34	27	35	34	27
C open position		EN ISO 717	dB	-1	0	-2	0	0	-1	0	0	-1	-1	0	0	-1	0	0
C_{tr} open position		EN ISO 717	dB	0	1	-3	0	0	-2	-1	0	-3	-2	-2	-1	-2	-2	-1
$Dn_{,e,}W$ closed position		EN ISO 717	dB	36	35	56	57	54	53	51	51	51	51	49	42	51	49	42
C closed position		EN ISO 717	dB	-1	-1	-3	-1	-1	-1	-1	-1	-1	-1	0	0	-1	0	0
C_{tr} closed position		EN ISO 717	dB	-1	-2	-5	-5	-4	-4	-3	-3	-4	-4	-3	-1	-4	-3	-1
Octave band values	at 125 Hz		dB	32,0	31,3	41,2	41,5	41,5	41,4	41,4	41,4	29,6	32,9	33,2	24,7	32,9	33,2	24,7
	at 250 Hz		dB	41,1	36,5	38,9	39,9	39,9	37,6	38,4	38,2	29,8	31,0	31,1	26,7	31,0	31,1	26,7
	at 500 Hz		dB	37,0	32,7	33,8	32,4	32,9	29,7	30,5	30,5	27	27,9	27,9	24,9	27,9	27,9	24,9
	at 1000 Hz		dB	32,7	27,7	43,2	38,1	38,1	36,6	33,8	35,2	33,8	36,2	34,8	26,8	36,2	34,8	26,8
	at 2000 Hz		dB	29,7	27,0	46,4	37,4	37,4	41,9	34,6	35,7	36,8	40,5	38,6	28,0	40,5	38,6	28,0

→ General specifications

Feature	Unit	Slim-line	Wide-line	2500 EA			5000 EA				15	20	25	15	20	25
				Double Acoustic	Acoustic Inside	Acoustic Outside	Double Acoustic	Acoustic Inside	Acoustic Outside							
RAL finish		DAR/Ral/ Bi-Color		DAR/Ral/Bi-Color						SAA/Ral/Bi-Colour	DAR/Ral/Bi-Color			DAR/Ral/Bi-Color		
SAA finish		yes		yes						yes	no			no		
Colour anodisation finish		yes		yes						no	no			no		
Standard control		manual		manual						handle	flap handle 15			flap handle 15		
Split as from drum / flap length	mm	n/a		n/a						2000	2000			2000		
Cord can be mounted after mounting		n/a		n/a						n/a	yes			yes		
End cap colours		□ ■		□ ■						□ ▒ ■	□ ■			□ ■		

Legend

dB:
Sound pressure level.

dB(A):
Weighted sound pressure level or the perception by the human ear.

$D_{n,e,}W$ ($C;C_{tr}$):
Weighted standardised sound pressure level difference of small building elements, in relation to the reference curve for airborne sound insulation.

$D_{n,e,}A$ (open position):
A-weighted sound pressure level difference of small building elements, taking into account characteristic neighbour noise
($D_{n,e,}A = D_{n,e,}W + C$).

$D_{n,e,}A_{tr}$:
A-weighted sound pressure level difference of small building elements, taking into account characteristic traffic noise
($D_{n,e,}A_{tr} = D_{n,e,}W + C_{tr}$).

$R_{q,}A_{tr}$:
A-weighted airborne sound insulation of a building element or structure, taking into account a standardised air velocity and pressure and characteristic traffic noise.

MiniMax SR			DucoMax SR SkyMax SR				DucoMax SR SkyMax SR				DucoMax SR SkyMax SR				DucoMax SR SkyMax SR				Silenzio SR		Silenzio Retro SR	
see p. 38			see p. 42				see p. 42				see p. 42				see p. 42				see p. 46		see p. 46	
10	15	20	Corto 10	Corto 15	Corto 20	Corto 25	Medio 10	Medio 15	Medio 20	Medio 25	Alto 10	Alto 15	Alto 20	Alto 25	Largo 10	Largo 15	Largo 20	Largo 25	Standard	AK	without external grille	with DUCO external grille
14,7	19,2	20,7	13,0	20,7	26,9	32,0	11,2	17,7	25,6	30,8	11,9	17,5	26,3	29,7	11,9	17,9	26,9	28,9	16.6 / pc	9.0 / pc	10.7 / pc	9.0 / pc
19,6	27,1	20,6	24,1	25,7	39,3	42,5	24,1	25,7	39,3	42,5	24,1	25,7	39,3	42,5	24,1	25,7	39,3	42,5	16.5 / pc	10.1 / pc	15.2 / pc	12.9 / pc
23,7	39,9	32,4	20,2	22,4	35,3	30,4	20,2	22,4	35,3	30,4	20,2	22,4	35,3	30,4	20,2	22,4	35,3	30,4	16.4 / pc	10.3 / pc	10.1 / pc	10.1 / pc
15,7	17,4	28,8	18,8	24,1	29,6	28,8	18,8	24,1	29,6	28,8	18,8	24,1	29,6	28,8	18,8	24,1	29,6	28,8	17.0 / pc	11.3 / pc	14.9 / pc	14.9 / pc
14,7	19,6	23,7	46,8	74,5	96,8	115,2	40,3	63,7	92,2	110,9	42,8	63,0	94,7	106,9	42,8	64,4	96,8	104,0	59.8 / pc	32.4 / pc	38.5 / pc	32.4 / pc
69,3	97,6	143,8	86,7	92,5	141,5	152,9	86,7	92,5	141,5	152,9	86,7	92,5	141,5	152,9	86,7	92,5	141,5	152,9	59.4 / pc	36.4 / pc	54.7 / pc	46.5 / pc
74,6	74,1	116,6	72,8	80,8	127,1	109,3	72,8	80,8	127,1	109,3	72,8	80,8	127,1	109,3	72,8	80,8	127,1	109,3	59.1 / pc	37.1 / pc	36.4 / pc	36.4 / pc
56,5	62,5	103,5	67,8	86,6	106,6	103,6	67,8	86,6	106,6	103,6	67,8	86,6	106,6	103,6	67,8	86,6	106,6	103,5	61.3 / pc	40.7 / pc	53.7 / pc	53.7 / pc
18706	24941	30158	16543	26341	34230	40720	14252	22523	32576	39193	15143	22269	33467	37793	15143	22778	34230	36775	21060 / pc	11478 / pc	13616 / pc	11453 / pc
10000	15000	20000	10000	15000	20000	25000	10000	15000	20000	25000	10000	15000	20000	25000	10000	15000	20000	25000	17600 / pc	17600 / pc	17600 / pc	11500 / pc
2,00			2,58				2,58				2,58				2,58				4,76	4,76	4,76	4,76
yes			yes				yes				yes				yes				yes		yes	
Class 3			Class 2				Class 2				Class 2				Class 2				Class 2		Class 2	
600			600				600				600				600				300		300	
E1050			E1050				E1050				E1050				E1050				9A		9A	
1050			1050				1050				1050				1050				600		Depends on outside section	600
0,2			0,69				0,69				0,69				0,69				0,61		0,61	
yes			yes				yes				yes				yes				yes		yes	

10	15	20	Corto 10	Corto 15	Corto 20	Corto 25	Medio 10	Medio 15	Medio 20	Medio 25	Alto 10	Alto 15	Alto 20	Alto 25	Largo 10	Largo 15	Largo 20	Largo 25	standard	AK	without external grille	with DUCO external grille
35	34	33	41	38	36	35	44	40	39	37	46	42	40	38	49	43	41	38	39	48	43	43
-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-1	-2	-1	-1	-1	-1	-1	-2	-1	-1	-1	-1	-1
-4	-4	-3	-2	-3	-2	-2	-4	-4	-4	-4	-6	-5	-4	-4	-5	-4	-4	-3	-4	-4	-3	-3
-	-	-	57	55	54	53	58	57	55	55	60	58	57	56	62	60	57	55	50	61	64	64
-	-	-1	-2	-2	-2	-1	-2	-2	-2	-1	-2	-2	-2	-2	-2	-1	-1	-1	-2	-1	-3	-3
-	-	-3	-4	-4	-3	-2	-5	-5	-4	-4	-6	-5	-6	-5	-5	-5	-5	-4	-5	-6	-10	-10
25,0	24,4	23,8	31,5	29,2	28,6	28,0	32,5	30,7	29,1	28,6	32,4	30,7	30,2	29,7	34,8	32,2	30,9	30,8	27,8	35,5	37,4	37,4
23,8	23,5	22,9	31,6	28,9	27,9	27,3	31,2	28,4	26,8	26,2	30,7	28,6	27,2	26,2	36,2	31,5	28,6	28,1	27,5	36,3	33,7	33,7
31,9	31,2	29,8	40,6	35,0	32,7	31,8	42,8	37,2	35,6	33,7	44,8	39,1	36,7	35,1	45,5	39,0	36,3	34,0	31,9	42,7	40,8	40,8
36,0	33,9	34,9	45,9	40,1	38,5	37,0	48,5	42,6	40,8	38,6	52,3	45,9	43,5	41,0	54,4	45,6	44,0	39,6	46,2	65,4	42,3	42,3
37,6	35,0	35,7	40,4	37,9	36,8	35,2	45,9	43,3	41,6	39,8	50,2	47,1	44,5	42,1	56,1	48,6	45,0	41,9	56,8	70,7	44,7	44,7

10	15	20	Corto 10	Corto 15	Corto 20	Corto 25	Medio 10	Medio 15	Medio 20	Medio 25	Alto 10	Alto 15	Alto 20	Alto 25	Largo 10	Largo 15	Largo 20	Largo 25	standard	AK	without external grille	with DUCO external grille
DAR/Ral			DAR/Ral/Bi-Color				DAR/Ral/Bi-Color				DAR/Ral/Bi-Color				DAR/Ral/Bi-Color				DAR/Ral/Bi-Color		DAR/Ral	Inner part: DAR/Ral External grille: RAL 7048
no			no				no				no				no				no		no	
yes			yes				yes				yes				yes				yes		yes	
flap handle 15			flap handle 15				flap handle 15				flap handle 15				flap handle 15				manual		manual	
2000			2000				2000				2000				2000				n/a		n/a	
yes			yes				yes				yes				yes				n/a		n/a	
☐■			☐■				☐■				☐■				☐■				☐■		n/a	

Values DucoMax SR HD: see p. 45

End cap colours

☐ white ☐ cream ▒ grey ■ black

A SOLUTION FOR EVERY PROJECT

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