

NATURAL & SOUND ABSORBING VENTILATION



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

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DISCLAIMER

Illustrations in this catalogue may differ from the actual product. Printing errors and/or changes excepted.
DUCO reserves the right to amend this information at any time. The information stated is valid as at 04.01.2024
and may be subject to changes in legislation.

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.



→ Inner grid

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

→ For thick glazing units too

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

* See page 39 for a summary by product.

DucoTon 80 SR

TopVent SR (AK+)

→ 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



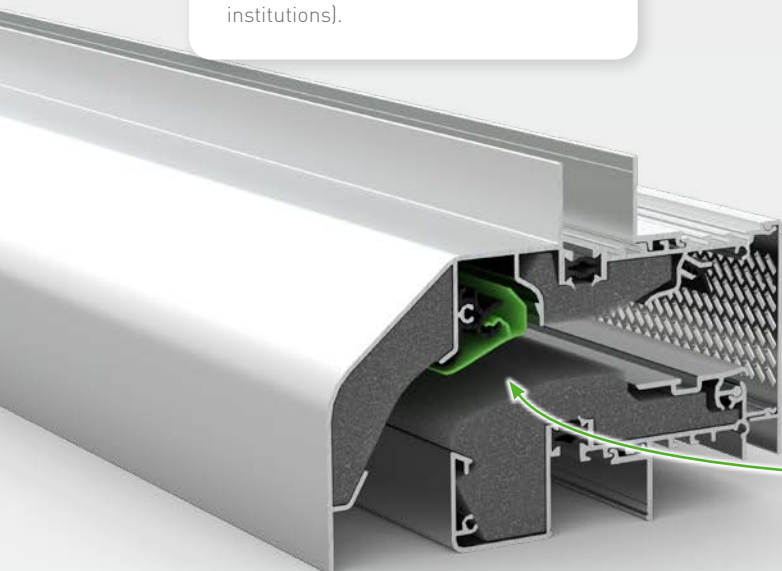
aluminium



PVC



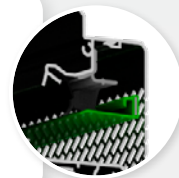
steel



GlasVent SR

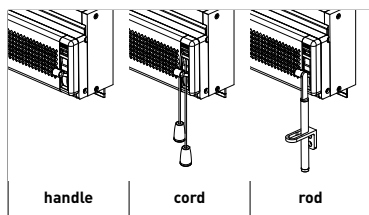
→ SR flap

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



→ Operation

Simple operation by handle / cord / rod or hand.



→ High-rise

SkyMax SR and SkyVent SR can be used at **up to 70 m** height.



DucoMax SR / SkyMax SR

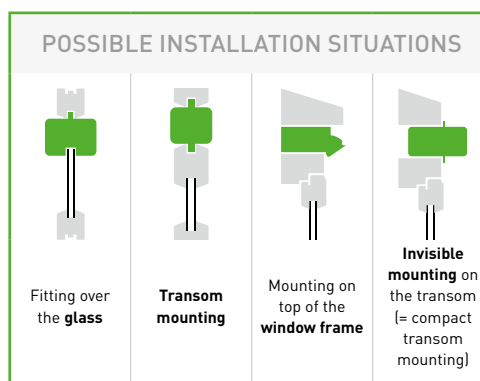
→ Sound absorption



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

PRODUCTOVERVIEW

DUCO has developed a wide range of window ventilators. From acoustic to aesthetically refined window vents. DUCO can offer a tailor-made system in every case: **you name it, we have it!**



Wind tightness
closed position

Fitting over
the glass

Transom
mounting

Mounting on
top of the
window frame

Invisible
mounting on
the transom
(= compact
transom
mounting)

BASIC VENTS

	TopVent SR Invisible ventilation		600 Pa Class 4	x	x	✓	x	see p. 8
	SkyVent SR For high-rise applications		600 Pa Class 4	x	x	✓	x	see p. 10
	DucoPlus 45 Minimum subtraction of glass height		450 Pa Class 2	✓	x	x	x	see p. 12
	DucoPlus 60 Compact vent		650 Pa Class 3	✓	x	x	x	see p. 14
	DucoTon 80 SR Timeless classic		650 Pa Class 3	✓	✓	x	x	see p. 16
	DucoKlep 80 SR Flat inner grid		450 Pa Class 2	✓	✓	x	x	see p. 18
	DucoLine 80 SR Available with three different air passages		450 Pa Class 2	✓	✓	x	x	see p. 20
	DucoFlat 80 SR Completely flat window vent		650 Pa Class 3	✓	✓	x	x	see p. 22
	DucoStrip Aluminium slot ventilator		300 Pa Class 2	Through the frame				see p. 24

Legend

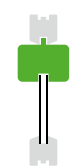


Light sound attenuation
Can be used in projects with
light noise exposure



Heavy sound attenuation
Can be used in projects with
heavy noise exposure

POSSIBLE INSTALLATION SITUATIONS



Fitting over
the **glass**



**Transom
mounting**



Mounting on
top of the
window frame



**Invisible
mounting** on
the transom
(= compact
transom
mounting)

Wind tightness
closed position

SOUND ABSORBING VENTS



TopVent SR AK(+)

Invisible ventilation



600 Pa
Class 4

×

×

✓

×

see p. 8



SkyVent SR AK(+)

For high-rise applications



600 Pa
Class 4

×

×

✓

×

see p. 10



DucoStrip Acoustic

Sound absorbing
aluminium slot ventilator



300 Pa
Class 2

Through the frame

see p. 28



GlasVent SR

Acoustic ventilator



600 Pa
Class 3

✓

✓

×

×

see p. 30



MiniMax SR

'Invisible' fitting



600 Pa
Class 3

×

✓

×

✓

see p. 32



DucoMax SR

Superior sound absorption



600 Pa
Class 2

✓

✓

✓

✓

or mounting through (outside) wall

see p. 34



SkyMax SR

For high-rise applications



600 Pa
Class 2

✓

✓

×

✓

or mounting through (outside) wall

see p. 34



Silenzio SR

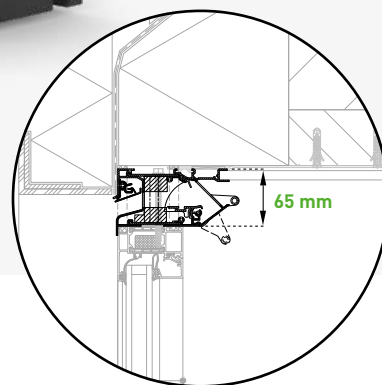
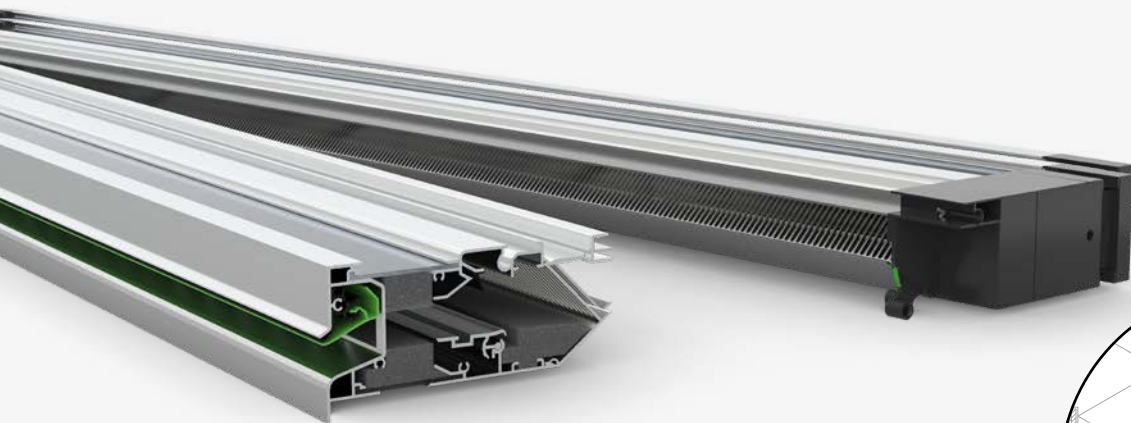
Design wall damper



300 Pa
Class 2

Fitting through the (outer) wall

see p. 36



Mounting **on top of the window**

TopVent SR (AK+)

Compact & aesthetic

With the **TopVent** range, DUCO puts energy efficiency, acoustic and thermal comfort first. The aesthetic appearance of the window vent 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
Wind protection class closed position	Class 4			
Wind tightness closed position	600			
Water resistance class closed position	E1350			
Watertightness closed position	1350			

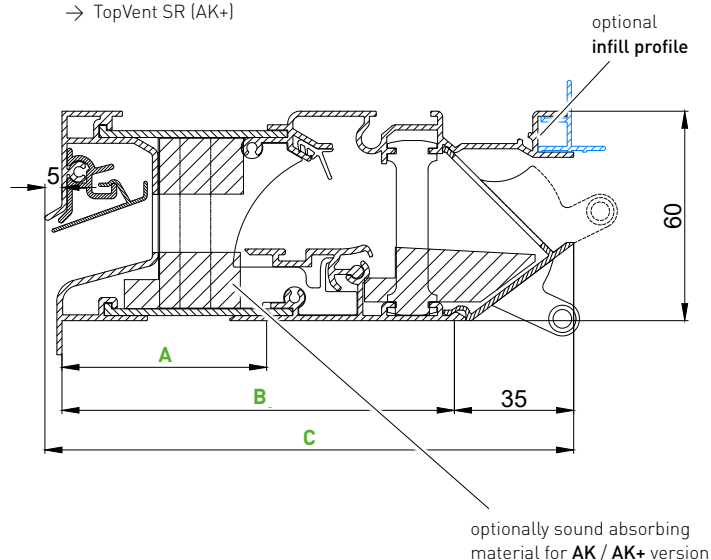
Standards: consult the table on page 52.



up to
40 m

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

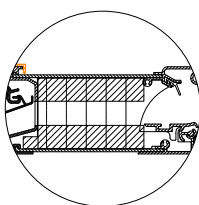
→ TopVent SR (AK+)



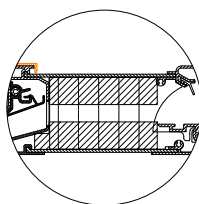
FITTING DEPTHS

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

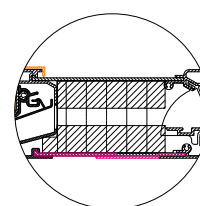
* Also applicable from 60 mm with extended bottom profile.



AK



AK+

Extended bottom
section

→ Ventilation values

Type TopVent 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

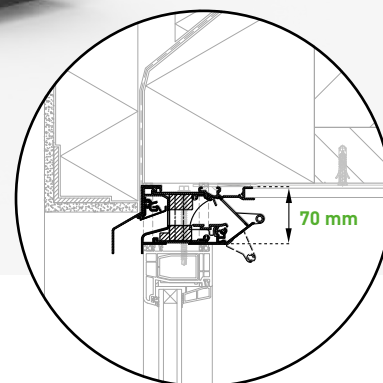
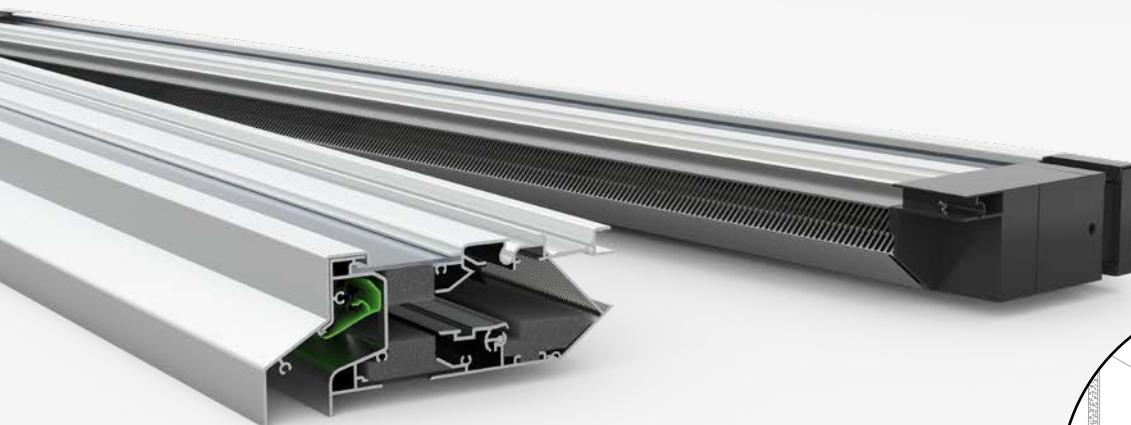
→ Sound reduction

Type TopVent 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 38 → Controls & ancillaries: see page 48
 → Full specifications: see page 52



Mounting **on top of the window**

SkyVent SR (AK+)

For high-rise buildings up to 70 meters!

The **SkyVent** offers the same advantages and values as the TopVent (see page 8), but is additionally equipped with an aluminium outer profile for **maximum wind and water tightness**. As a result, the **SkyVent** 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

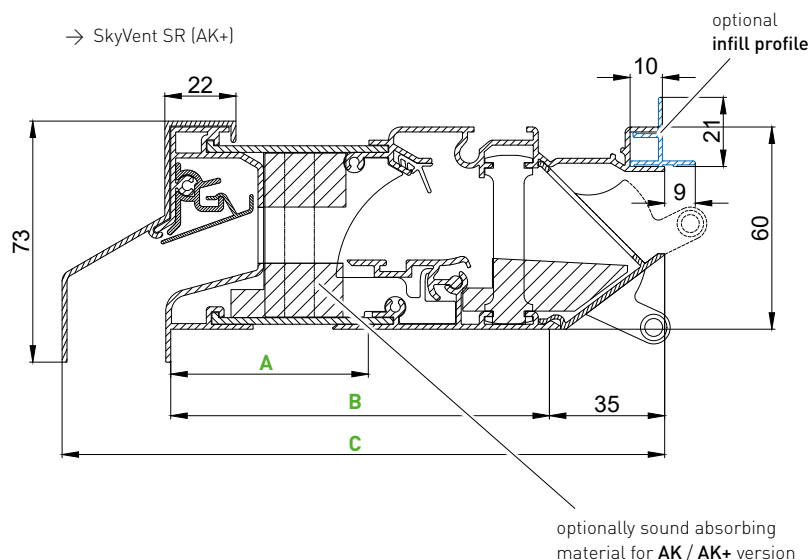
	Corto	Medio	Alto	Largo
U-value	4,14	4,12	3,60	3,42
Wind protection class closed position	Class 4			
Wind tightness closed position	600			
Water resistance class closed position	E1350			
Watertightness closed position	1350			

Standards: consult the table on page 52.



up to
70 m

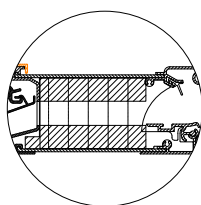
Application height depending on installation situation,
see link.duco.eu/installation-height for more info.



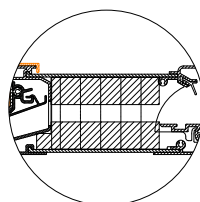
FITTING DEPTHS

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

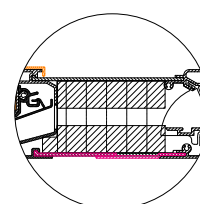
* Also applicable from 60 mm with extended bottom profile.



AK



AK+



Extended bottom section

→ Ventilation values

Type SkyVent 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

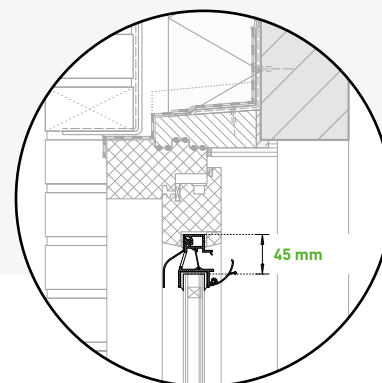
Type SkyVent SR	Sound absorption $D_{n,e}, W(C;C_{tr})$ in dB							
	OPEN position				CLOSED position			
	Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo
STD	31 [-1;-2]				43 [0;-1]	47 [0;-2]	47 [0;-2]	47 [0;-2]
AK	33 [0;-1]	34 [0;-2]	36 [-1;-2]	37 [0;-2]	43 [0;-1]	52 [-1;-3]	55 [0;-3]	56 [-1;-4]
AK+	✗	✗	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 38 → Controls & ancillaries: see page 48
→ Full specifications: see page 52



Fitting over the **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**

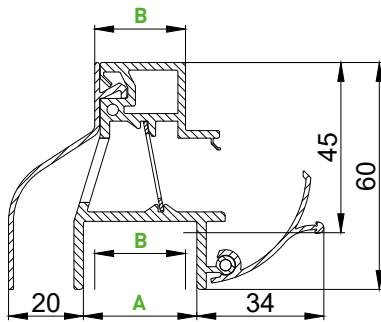
U-value	1,84
Wind protection class closed position	Class 2
Wind tightness closed position	450
Water resistance class closed position	E900
Watertightness closed position	900
Subtraction of glass height	45 mm

Standards: consult the table on page 52.



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

→ DucoPlus 45
fitting over glass



VERSIONS WITH GLAZING CHANNELS

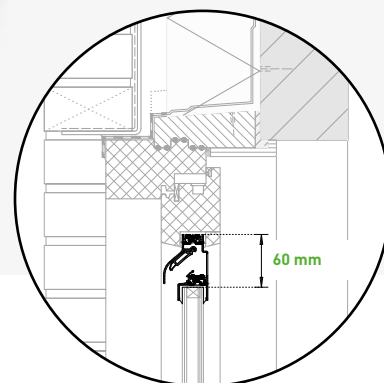
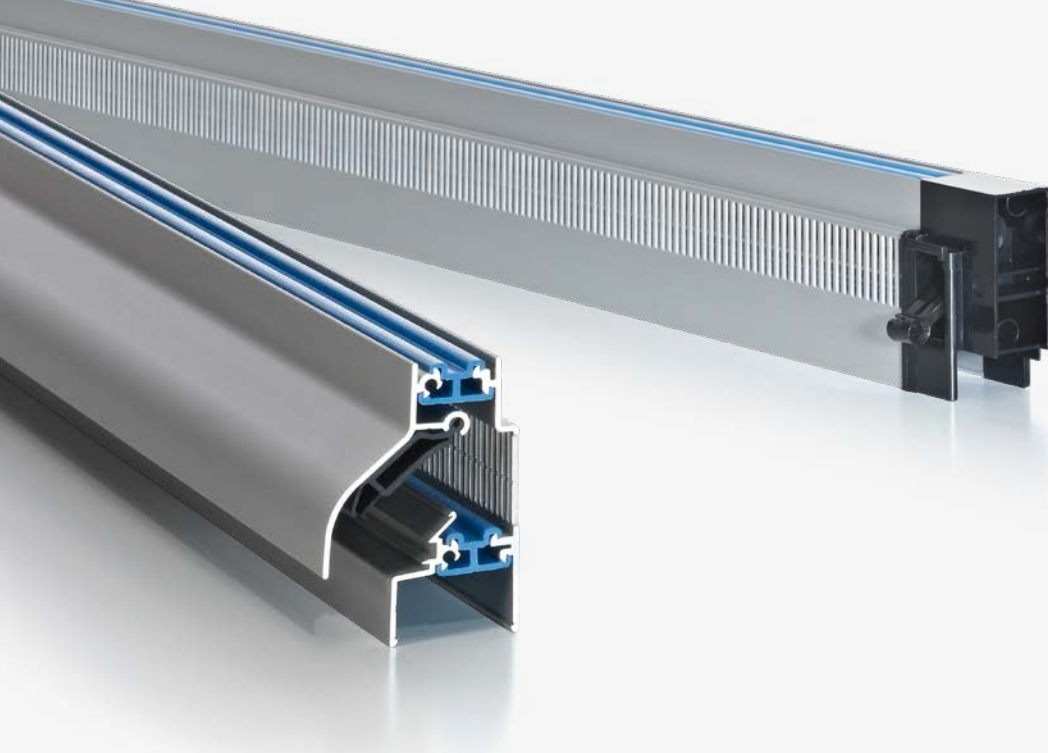
	Dimensions (mm)		
Glazing channel(A)	30	34	38
Glass thickness* (B)	24	28	32

* The specified glass thickness is applicable to [DUCO] glazing seals. 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	1 Pa	2 Pa	10 Pa			OPEN position	CLOSED position
DucoPlus 45	7,1	10,03	22,50	25,56	36,10	81,00	8980	10000	25 (0;0)	41 (-1;-2)

* According to EN ISO 717



Fitting over the **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

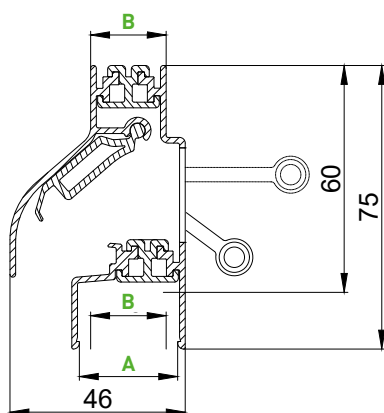
U-value	4,02
Wind protection class closed position	Class 3
Wind tightness closed position	650
Water resistance class closed position	E650
Watertightness closed position	650
Subtraction of glass height	60 mm

Standards: consult the table on page 52.



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

→ DucoPlus 60
fitting over glass



VERSIONS WITH GLAZING CHANNELS

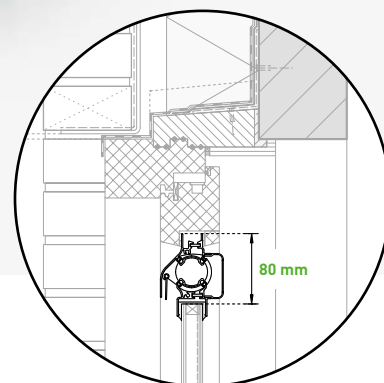
	Dimensions (mm)			
Glazing channel(A)	26	30	34	38
Glass thickness* (B)	20	24	28	32

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

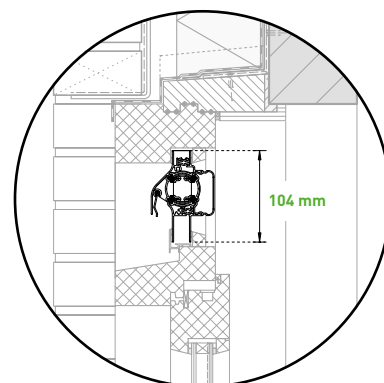
→ Ventilation and sound reduction performance

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 $D_{n,e}, W(C;C_w)^*$ in dB	
	1 Pa	2 Pa	10 Pa	1 Pa	2 Pa	10 Pa			OPEN position	CLOSED position
DucoPlus 60	11,2	15,8	34,9	40,3	56,7	125,6	14224	15000	25 (0;0)	39 (-1;-1)

* According to EN ISO 717



Fitting over glass



Transom mounting

DucoTon 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)

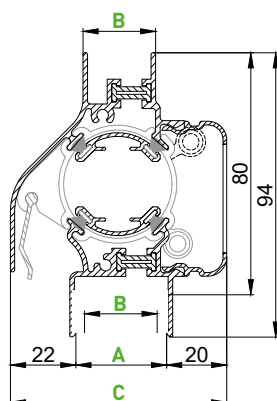
U-value	2,26
Wind protection class closed position	Class 3
Wind tightness closed position	650
Water resistance class closed position	8A
Watertightness closed position	450
Subtraction of glass height	80 mm

Standards: consult the table on page 52.

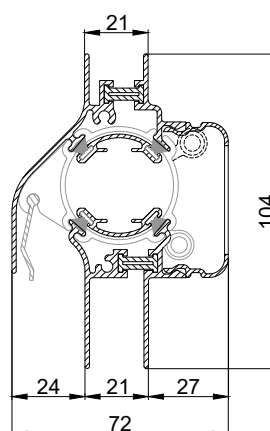


Application height depending on installation situation, see link.duco.eu/installation-height for more info.

→ 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

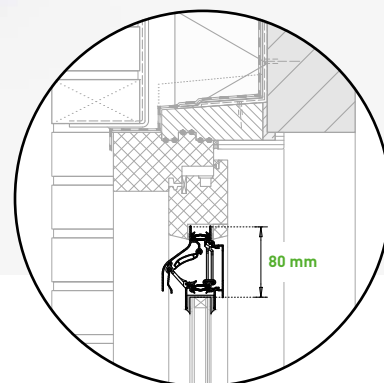
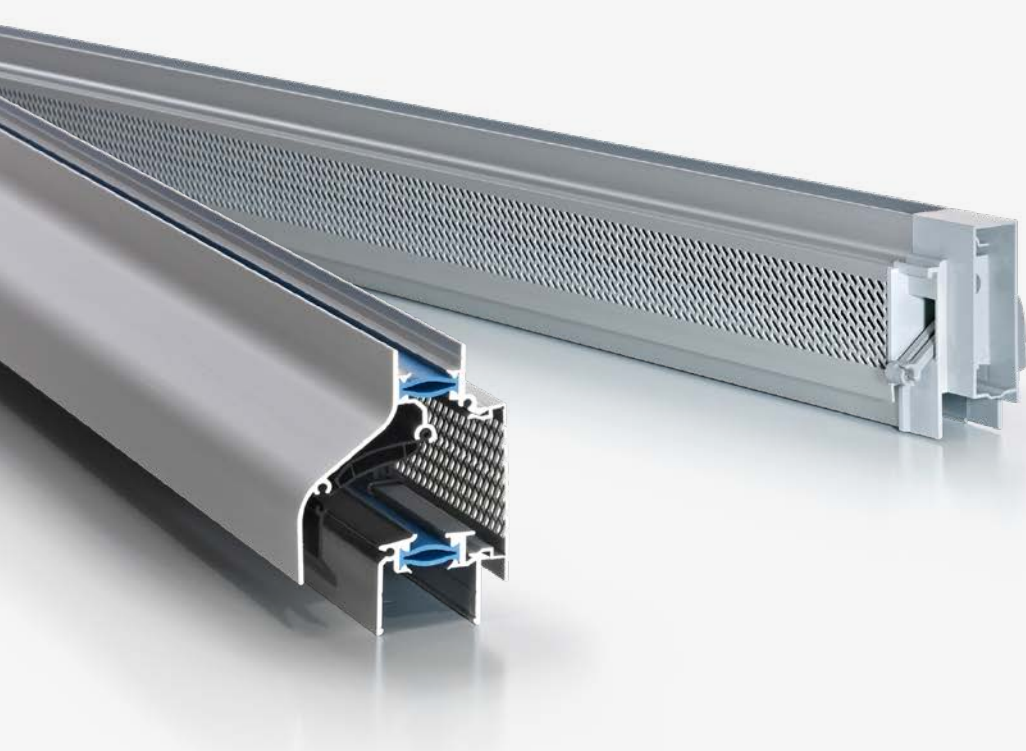
* The specified glass thickness is applicable with (DUCO) glazing rubber. For sealants, min. 4 to max. 8 mm should be provided between glass thickness and glazing channel.

** With glazing channel 12, there is no thermal break.

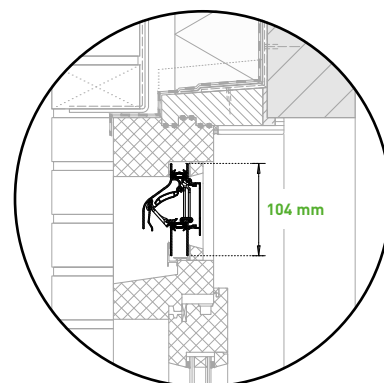
→ Ventilation and sound reduction performance

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	1 Pa	2 Pa	10 Pa			OPEN position	CLOSED position
DucoTon 80 SR	10,2	12,3	15,7	36,7	44,3	56,6	12980	14400	27 [-1;-1]	34 [0;-1]

* According to EN ISO 717



Fitting over the **glass**



Transom mounting

Duco**Klep** 80 SR

Flat inner grid

Duco**Klep** 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)

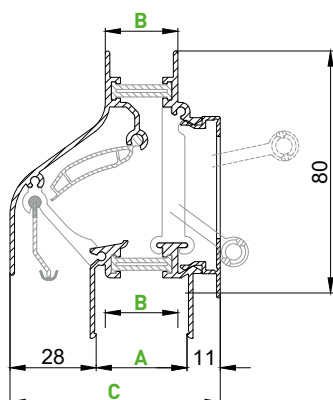
U-value	2,4
Wind protection class closed position	Class 2
Wind tightness closed position	450
Water resistance class closed position	E650
Watertightness closed position	650
Subtraction of glass height	80 mm

Standards: consult the table on page 52.

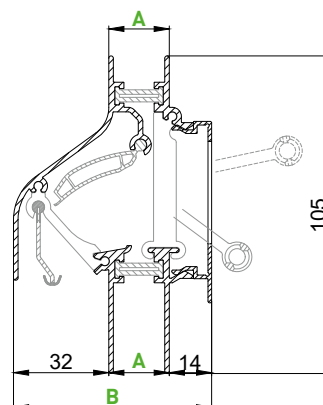


Application height depending on installation situation, see link.duco.eu/installation-height for more info.

→ 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 seals. For sealants, min. 4 to max. 8 mm should be provided between glass thickness and glazing channel.

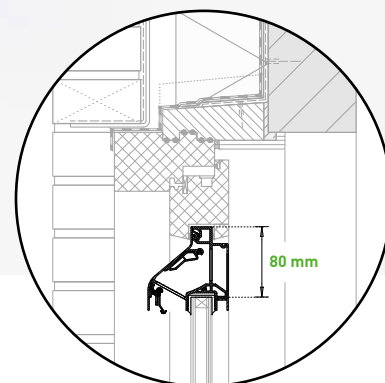
VERSIONS WITH TRANSOM PROFILE

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

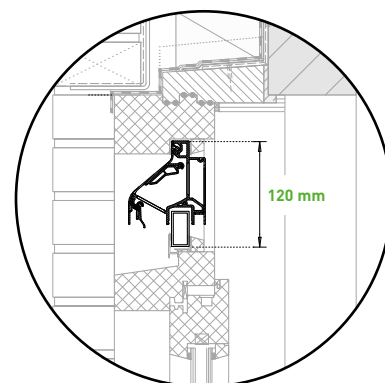
→ Ventilation and sound reduction performance

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	1 Pa	2 Pa	10 Pa			OPEN position	CLOSED position
DucoKlep 80 SR	15,2	15,5	15,6	54,7	55,9	56,3	19342	19200	25 [0;-1]	37 [0;0]

* According to EN ISO 717



Fitting over the **glass**



Transom mounting

Duco**Line** 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)

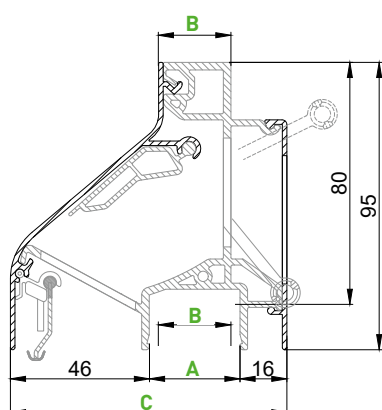
U-value	2,81
Wind protection class closed position	Class 2
Wind tightness closed position	450
Water resistance class closed position	E700
Watertightness closed position	700
Subtraction of glass height	80 mm

Standards: consult the table on page 52.

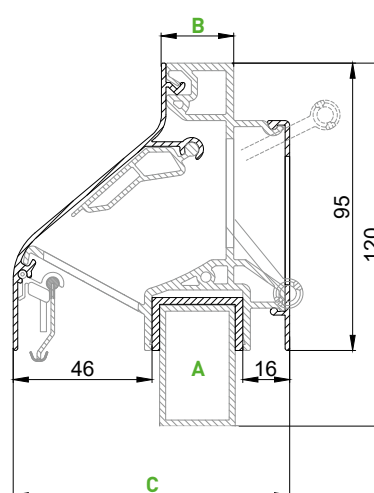


Application height depending on installation situation, see link.duco.eu/installation-height for more info.

→ 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 seals. For sealants, min. 4 to max. 8 mm should be provided between glass thickness and glazing channel.

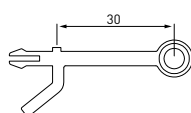
VERSIONS WITH TRANSOM PROFILE

	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

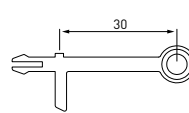
HANDLES

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 48)



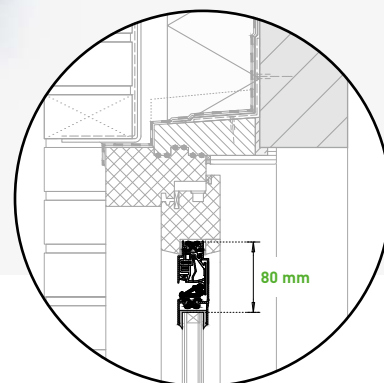
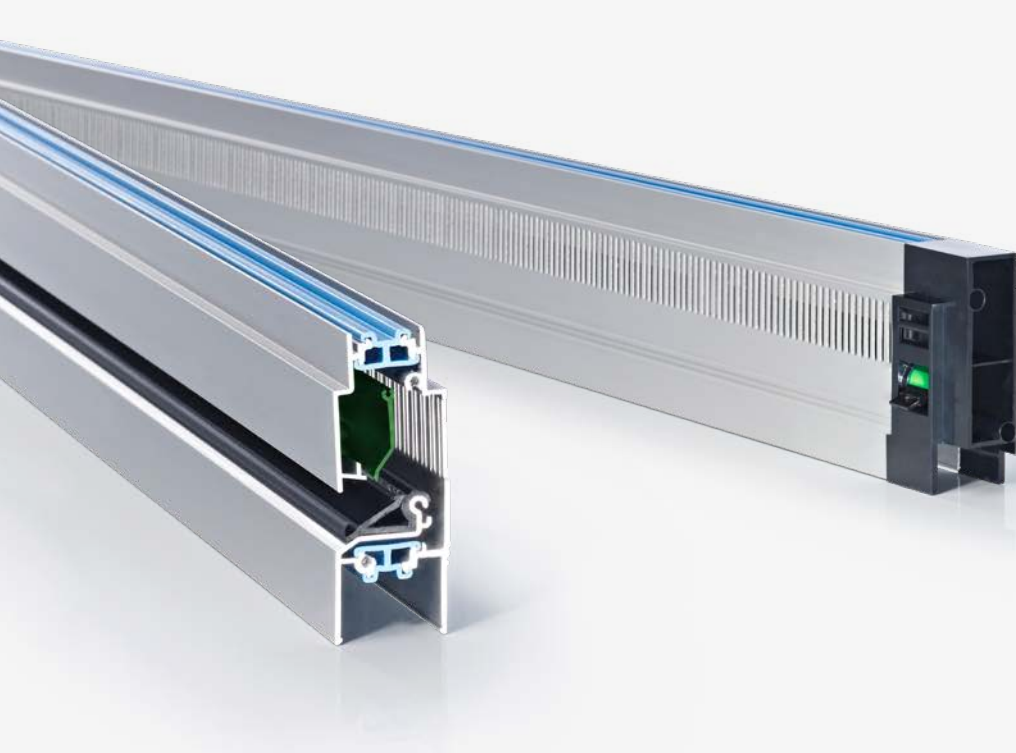
→ Ventilation and sound reduction performance

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]

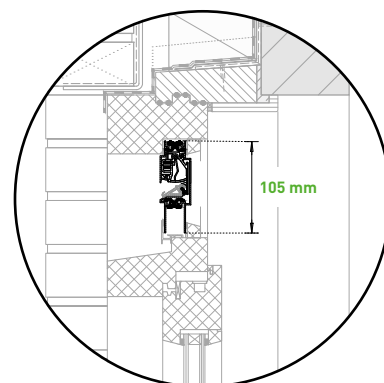
* According to EN ISO 717



→ Dimensions & order information: see page 38 → Controls & ancillaries: see page 48
→ Full specifications: see page 52



Fitting over the **glass**



Transom mounting

Duco**Flat** 80 SR

Self-regulating flat vent

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 vent 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

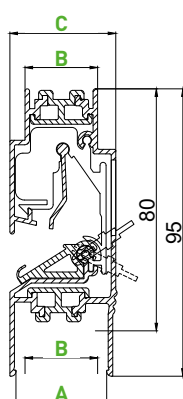
U-value	3
Wind protection class closed position	Class 3
Wind tightness closed position	650
Water resistance class closed position	5A
Watertightness closed position	200
Subtraction of glass height	80 mm

Standards: consult the table on page 52.

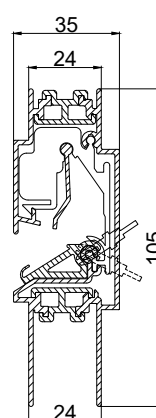


Application height depending on installation situation, see link.duco.eu/installation-height for more info.

→ DucoFlat 80 SR
fitting over the glass



→ DucoFlat 80 SR
transom mounting

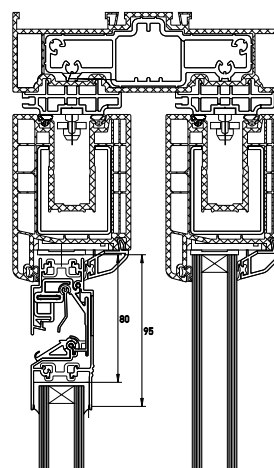


VERSIONS WITH GLAZING CHANNEL

	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 seals. 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



DucoStrip

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 **DucoStrip** the preferred choice for any type of window frame.

NOTE: **DucoStrip** 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**

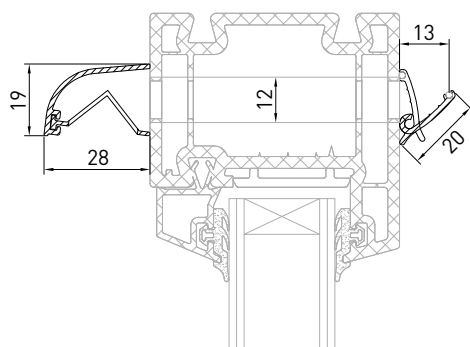
Wind protection class closed position	Class 2
Wind tightness closed position	300
Water resistance class closed position	5A
Watertightness closed position	200

Standards: consult the table on page 52.

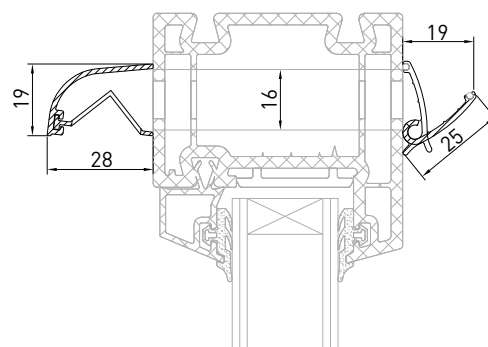


Application height depending on installation situation, see link.duco.eu/installation-height for more info.

→ 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

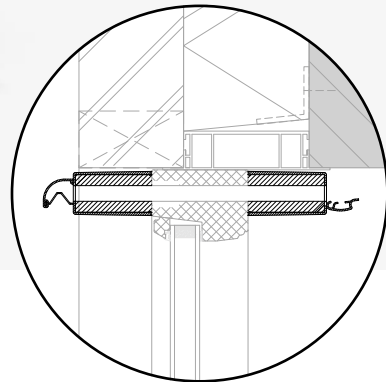
Type DucoStrip	Airflow (Q) in l/s at...			Airflow (Q) in m³/h at...			Equivalent area at 1 Pa in mm²	Geometrical Free Area in mm²	Sound absorption $D_{n,e}, W (C; C_u)^*$ in dB	
	1 Pa	2 Pa	10 Pa	1 Pa	2 Pa	10 Pa			OPEN position	CLOSED position
Slimline	2,0	2,9	6,6	7,3	10,4	23,8	2605	3000	32 [-1;0]	36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

* According to EN ISO 717



SkyMax SR





Fitting **through the frame**

DucoStrip 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: **DucoStrip 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**

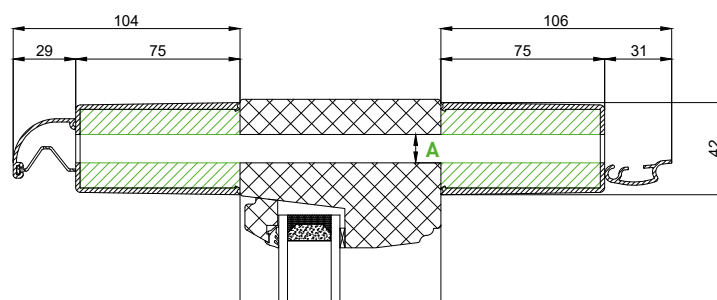
Wind protection class closed position	Class 2
Wind tightness closed position	300
Water resistance class closed position	9A
Watertightness closed position	600

Standards: consult the table on page 52.

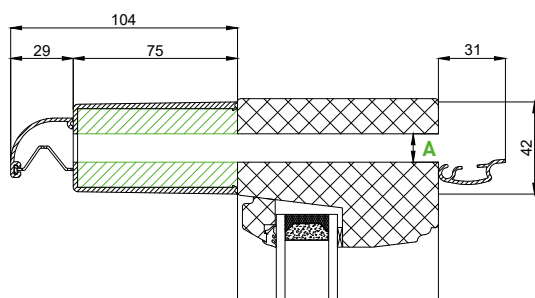


Application height depending on installation situation, see link.duco.eu/installation-height for more info.

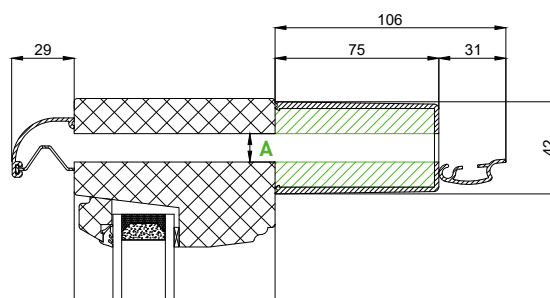
→ DucoStrip Acoustic **Double Acoustic**



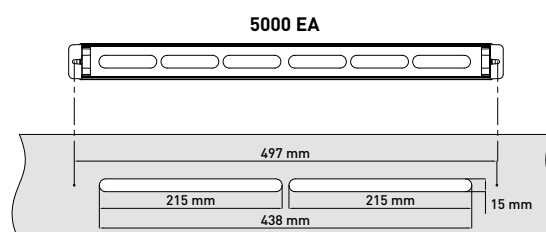
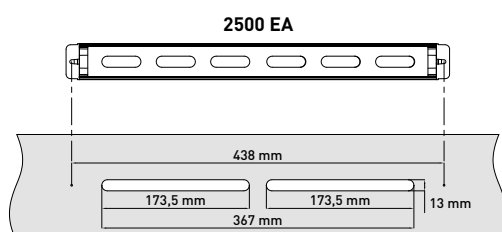
→ DucoStrip Acoustic **Acoustic Outside**



→ 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



→ Ventilation and sound reduction performance

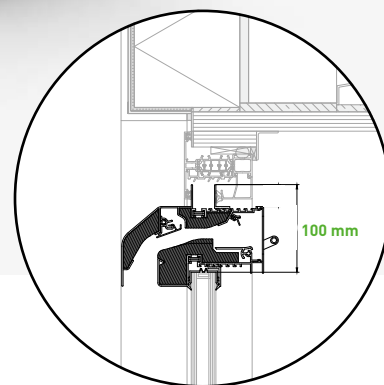
	Type DucoStrip	Airflow (Q) in l/s at...			Airflow (Q) in m³/h at...			Equivalent area at 1 Pa in mm²	Geometrical Free Area in mm²	Sound absorption $D_{n,e}, W (C; C_{tr})^*$ in dB	
		1 Pa	2 Pa	10 Pa	1 Pa	2 Pa	10 Pa			OPEN position	CLOSED position
2500 EA	Double Acoustic	2,5	3,5	8,0	9,0	12,6	28,8	3040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

* According to EN ISO 717

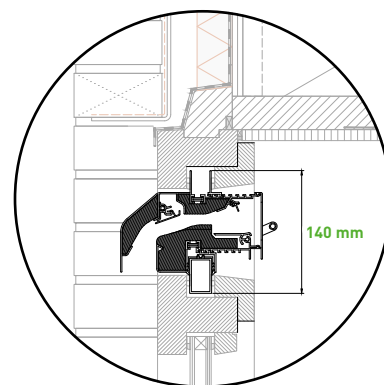


MORE
INFO

→ Ordering info: see page 38
→ Full specifications: see page 54



Fitting over glass



Transom mounting

GlasVent SR

Acoustic ventilator

This new window ventilator with acoustic damping can be used for all glass thicknesses from 10 to 56 mm! Mounting is possible above the glass (subtraction 100 mm) or as transom mounting. The **GlasVent** is ideal in combination with vacuum glass (for glass thicknesses of 8 to 12 mm). The aluminium ventilation flap ensures excellent water and wind tightness. This aesthetic acoustic vent can therefore be used in high-rise buildings without any problems.

- Applicable to all glass thicknesses from 10 to 56 mm
- Ideal in combination with **vacuum glass**
- Leader for **renovation projects**

U-value	2,09
Wind protection class closed position	Class 3
Wind tightness closed position	600 Pa
Water resistance class closed position	E600
Watertightness closed position	600 Pa
Subtraction of glass height	100 mm

Standards: consult the table on page 52.



up to
40 m

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

Technical drawing of a mechanical assembly showing a cross-section of a bracket or support structure. The drawing includes dimensions: 79, 24, 25, 58, 15, A, B, and C. The assembly consists of a main body with a sloped top surface, a central vertical section, and a base. A small component is attached to the side. The dimensions are labeled in black and green text.

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

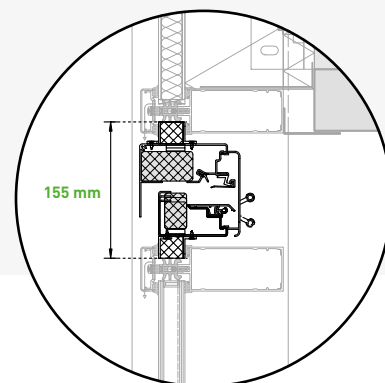
Technical drawing of a window frame cross-section. The drawing shows the internal structure of the frame, including the sash and the frame itself. Key dimensions are indicated:

- 79**: Total width of the frame.
- B**: Width of the top sash.
- 25**: Height of the top sash.
- 58**: Width of the bottom sash.
- 76**: Total height of the frame.
- 140**: Total height of the window assembly.
- 24**: Height of the bottom sash.
- 39**: Height of the bottom sash.
- A**: Width of the bottom sash.
- C**: Width of the bottom sash.

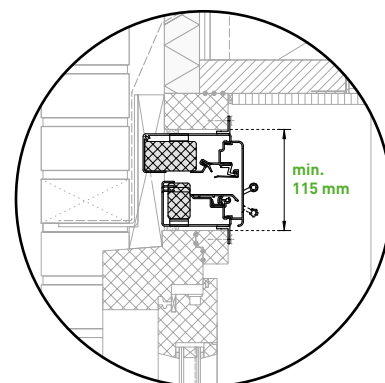
	Dimensions (mm)		
Transom profile (A)	40 x 20	40 x 25	40 x 35
Top section (B)	20	24	36
Vent depth (C)	162		

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 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]
GlasVent SR AK+	10,7	16,3	16,6	15,5	38,5	58,7	59,8	55,7	13609,3	12000	34 [-1;-2]	53 [-1;-4]

31



Transom mounting



'Invisible' mounting
on the transom

MiniMax SR

'Invisible' fitting

MiniMax SR is a self-regulating, sound absorbing window ventilator developed for transom mounting and 'invisible' mounting on the transom. The **MiniMax 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. **MiniMax SR** can very well be combined with DucoMax SR & SkyMax SR sound absorbing vents.

MiniMax 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 transom are also identical.

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

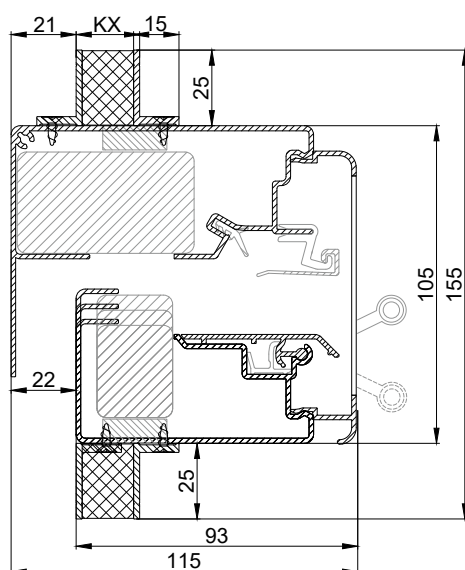
U-value	2,00
Wind protection class closed position	Class 3
Wind tightness closed position	600
Water resistance class closed position	E1050
Watertightness closed position	1050
Subtraction of glass height	n/a

Standards: consult the table on page 52.

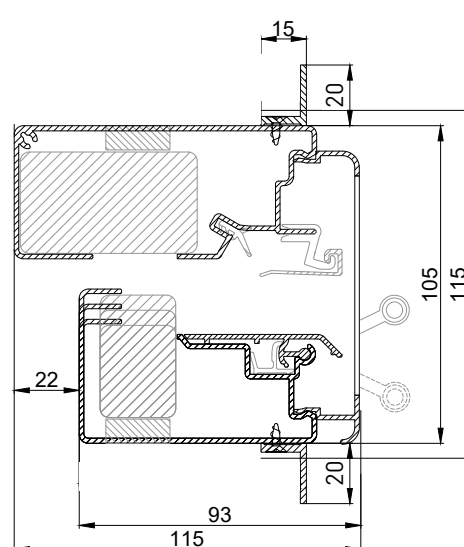


Application height depending on installation situation, see link.duco.eu/installation-height for more info.

→ MiniMax SR
transom mounting



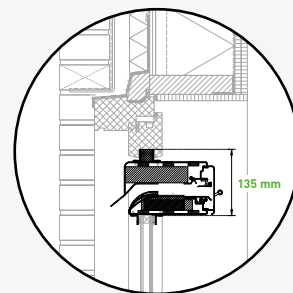
→ MiniMax SR
'invisible' mounting on the transom



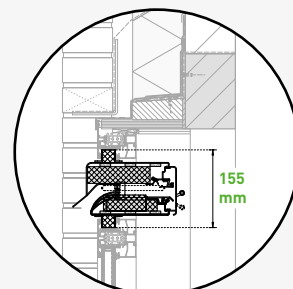
→ Ventilation and sound reduction performance

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]

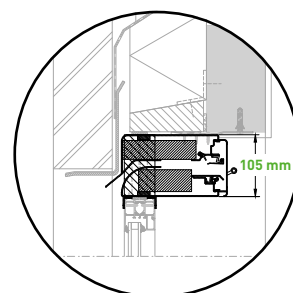
* According to EN ISO 717



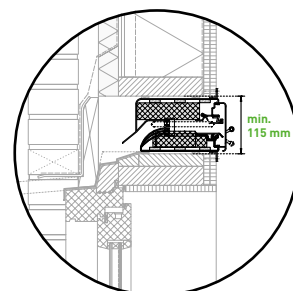
Fitting over glass



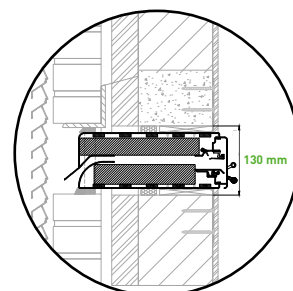
Transom mounting



Mounting on top of the window
ONLY FOR DUCOMAX 'SR'



'Invisible' mounting
on the transom



Fitting
through the wall

DucoMax SR SkyMax SR

Superior sound absorption and/or high-rise applications

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.

- Suitable for **high-rise applications**
- **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**

U-value	2,58
Wind protection class closed position	Class 2
Wind tightness closed position	600
Water resistance class closed position	E1050
Watertightness closed position	1050
Subtraction of glass height	135 mm

Standards: consult the table on page 52.

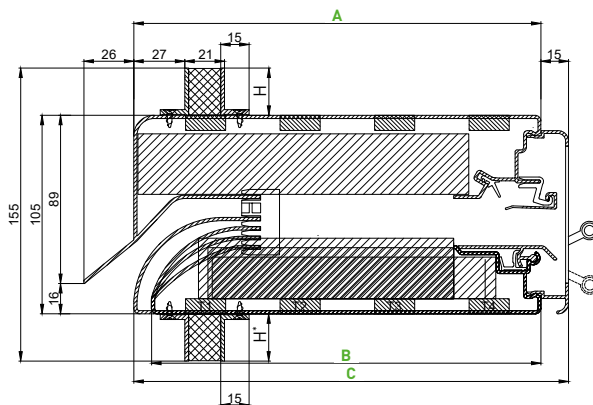
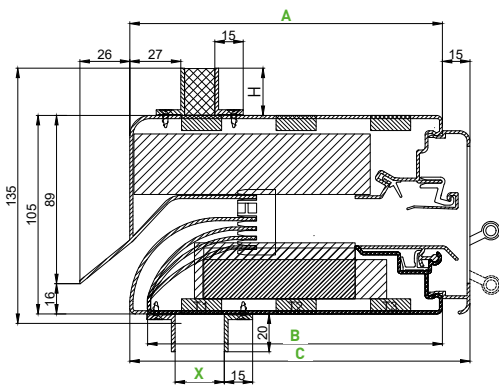


up to
40 m
DUCOMAX SR

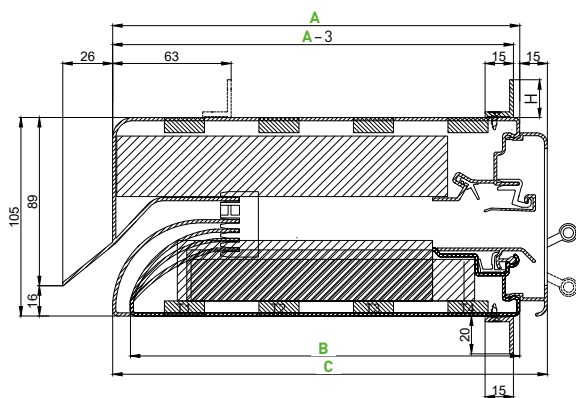
up to
70 m
SKYMAX SR

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

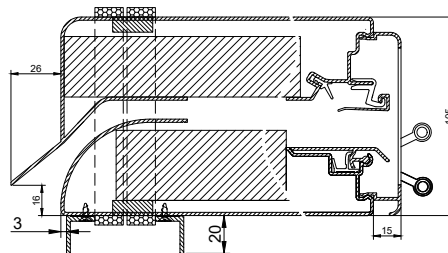
→ DucoMax SR / SkyMax SR
transom mounting



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



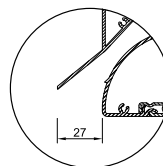
→ DucoMax SR / SkyMax SR
mounting on the window



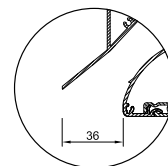
See from **page 38** for additional versions and sizes

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



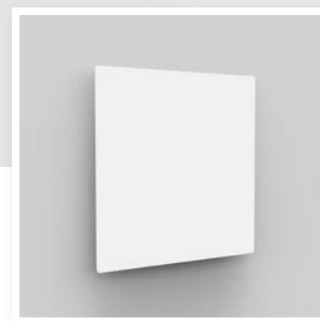
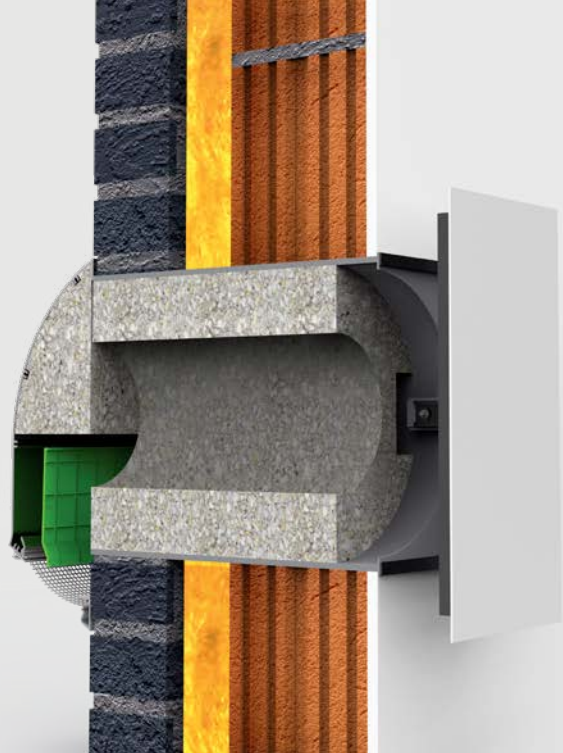
→ suits
air slot **10**



→ suits
air slot **15/20/25**

→ Ventilation and sound reduction performance

See table on page 54.



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

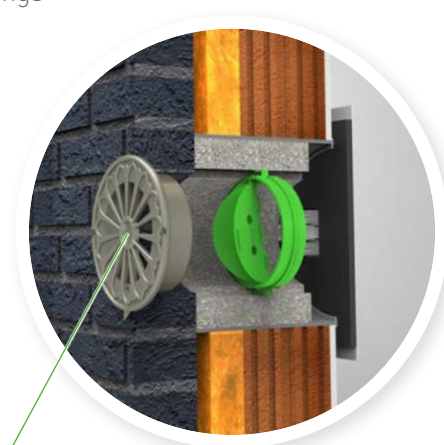
Design wall damper

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** until 48 dB
- Simple solution for **renovation projects**
- **Aesthetic** adjustable inner grid



U-value	4,76
Wind protection class closed position	Class 2
Wind tightness closed position	300
Water resistance class closed position	9A
Watertightness closed position	600

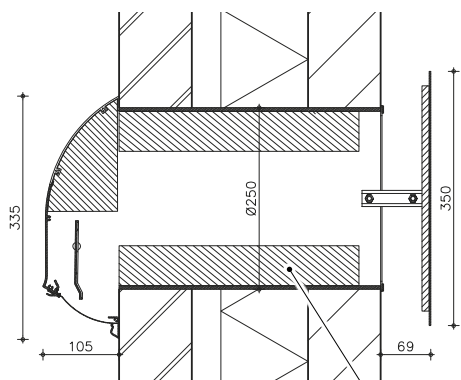
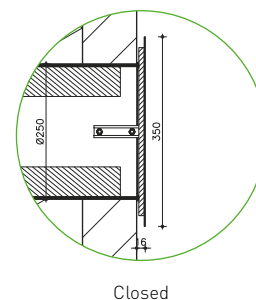
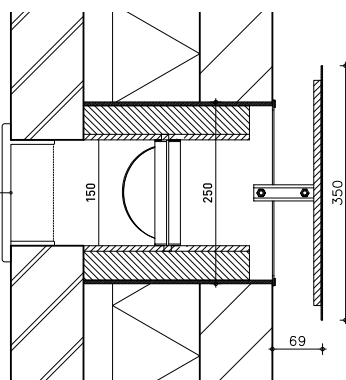
Standards: consult the table on page 52.

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



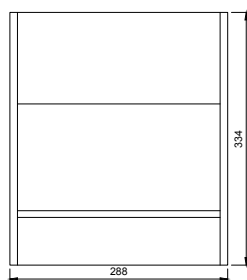
Application height depending on installation situation,
see link.duco.eu/installation-height for more info.

→ Silenzio SR (AK)

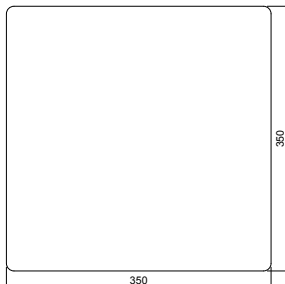
→ Silenzio **Retro** SR

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

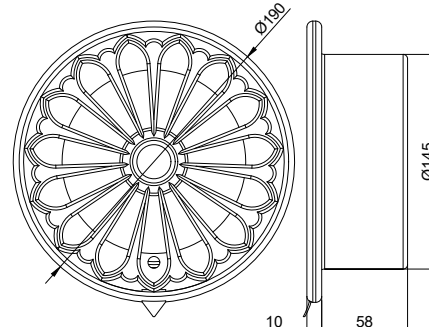
→ External cover Silenzio SR (AK)



→ 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

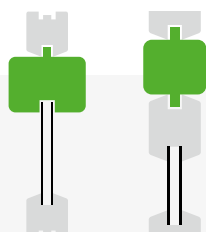
Type	Airflow (Q) in l/s at...			Airflow (Q) in m³/h at...			Equivalent area at 1 Pa in mm²	Geometrical Free Area in mm²	Sound absorption $D_{n,e}, W (C; C_{tr})^*$ in dB	
	1 Pa	2 Pa	10 Pa	1 Pa	2 Pa	10 Pa			OPEN position	CLOSED position
Silenzio SR	16,6	16,5	16,4	59,8	59,4	59,1	21060	17600	39 [-1;-4]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

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



→ Dimensions & order information: see page 38 → Controls & ancillaries: see page 48
→ Full specifications: see page 54

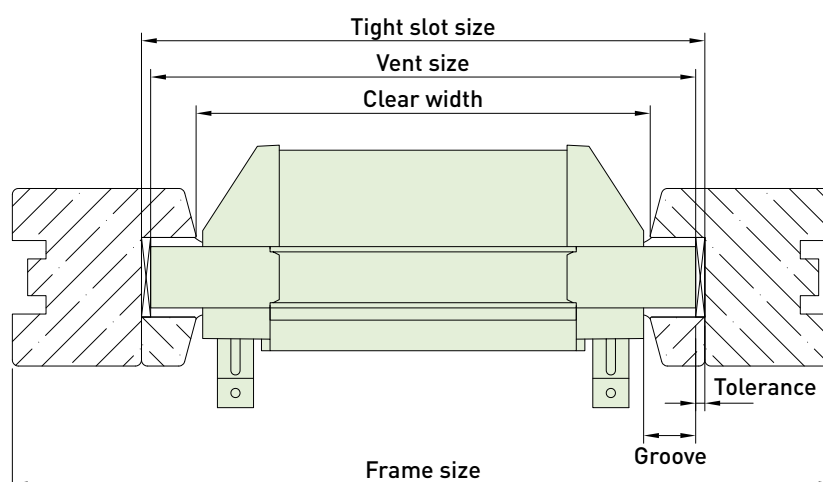
DIMENSIONS AND ORDERING INFORMATION



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

Calculating ventilator length

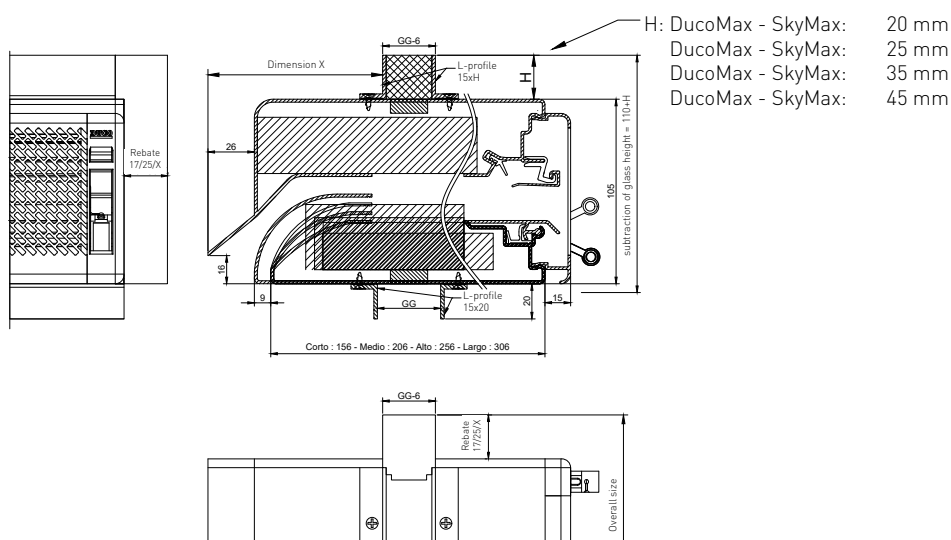
		Vent size = ORDER SIZE	Tolerance (mm)	Rebate (mm)
DucoPlus 45		tight slot size - 6 mm OR daylight opening + 30 mm	3	18
DucoPlus 60 DucoTon 80 SR DucoKlep 80 SR DucoFlat 80 SR		tight rebate size - 6 mm OR daylight opening + 28 mm	3	17
DucoLine 80 SR	STANDARD: with rebate extension 17 mm	tight rebate size - 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
GlasVent SR		tight rebate size - 6 mm OR daylight opening + 44 mm	3	25



FITTING OVER GLASS: glazing channels and dimensions

Product	Glazing channel (mm)																Glass reduction (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 SR		✓	✓		✓	✓	✓	✓	✓	✓		✓			✓	✓	100	116	2500
DucoMax / SkyMax	See drawing and table below																		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

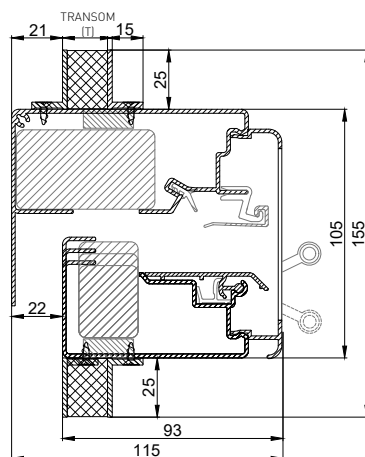
GLAZING GASKETS

Silicon-free glazing gasket	Glazing channel (mm)																
	12	16	18	21	26	30	34	38	42	46	48	50	52	54	58	62	64
12	✓																
21				✓													
22 - 30					✓	✓											
32 - 40							✓	✓									
42 - 50									✓	✓	✓	✓					
52 - 62													✓	✓	✓	✓	

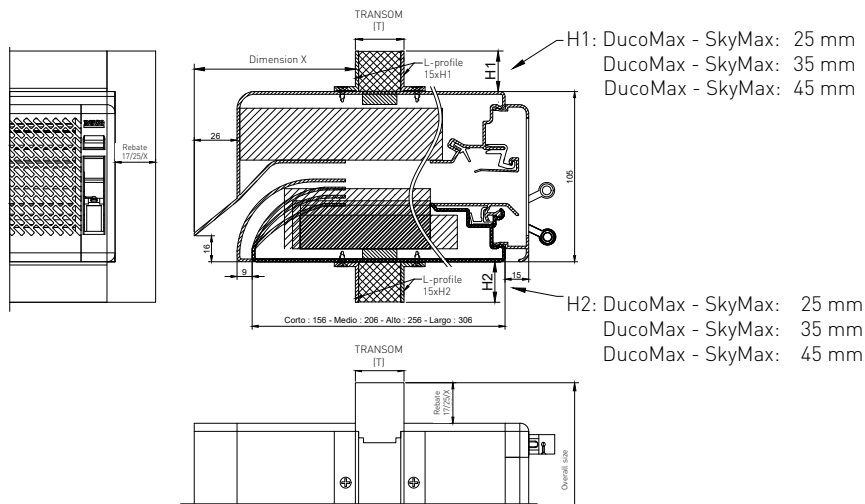
TRANSOM MOUNTING: transom profiles and dimensions

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 SR				✓	✓	✓	140	2500
MiniMax SR	TX = Transom profile freely definable						155	4000
DucoMax SR	TX = Transom profile can be freely determined						Depending on the L-profile used	4000

MINIMAX



DUCOMAX - SKYMAX



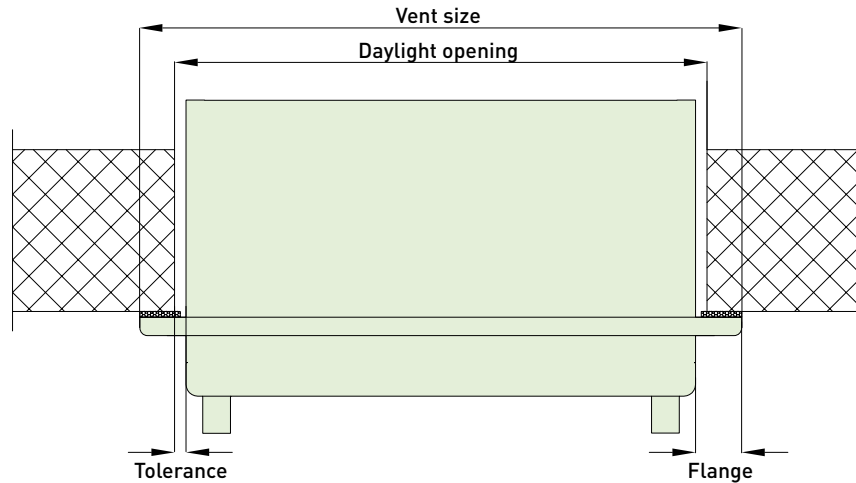
T1		T2		T3 Corto		T3 Medio- Alto-Largo		T4 Medio		T4 Alto-Largo		T5 Alto		T5 Largo		T6	
T	X (up)	T	X (up)	T	X (up)	T	X (up)	T	X (up)	T	X (up)	T	X (up)	T	X (up)	T	X (up)
18	55	18	105	18	155	18	155	18	205	18	205	18	255	18	255	18	305
20	52	20	102	20	152	20	152	20	202	20	202	20	252	20	252	20	302
21	52	21	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 transom

Dimensions

	Vent size = ORDER SIZE	Toler- ance (mm)	Flange (mm)	Built-in height (mm)	Vent height (mm)	Maximum vent length under warranty (mm)
DucoMax SR	daylight opening + 30 mm	5	20	115	145	4000
SkyMax SR				115	145	2500
MiniMax SR				115	145	4000

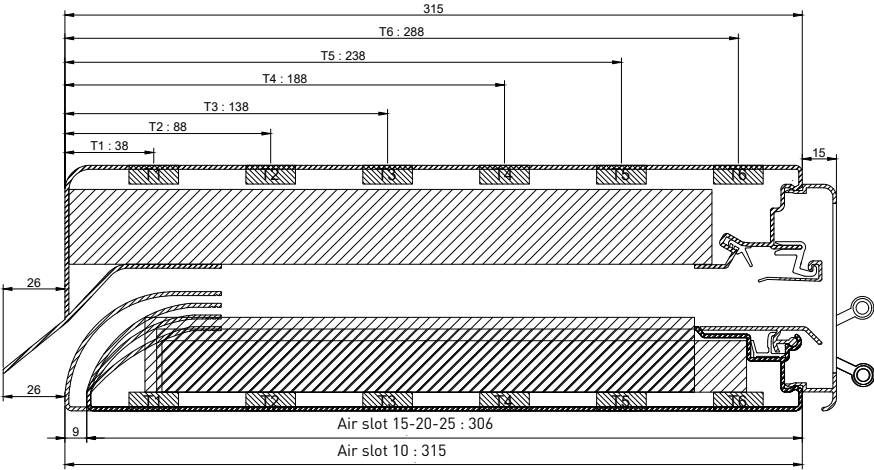


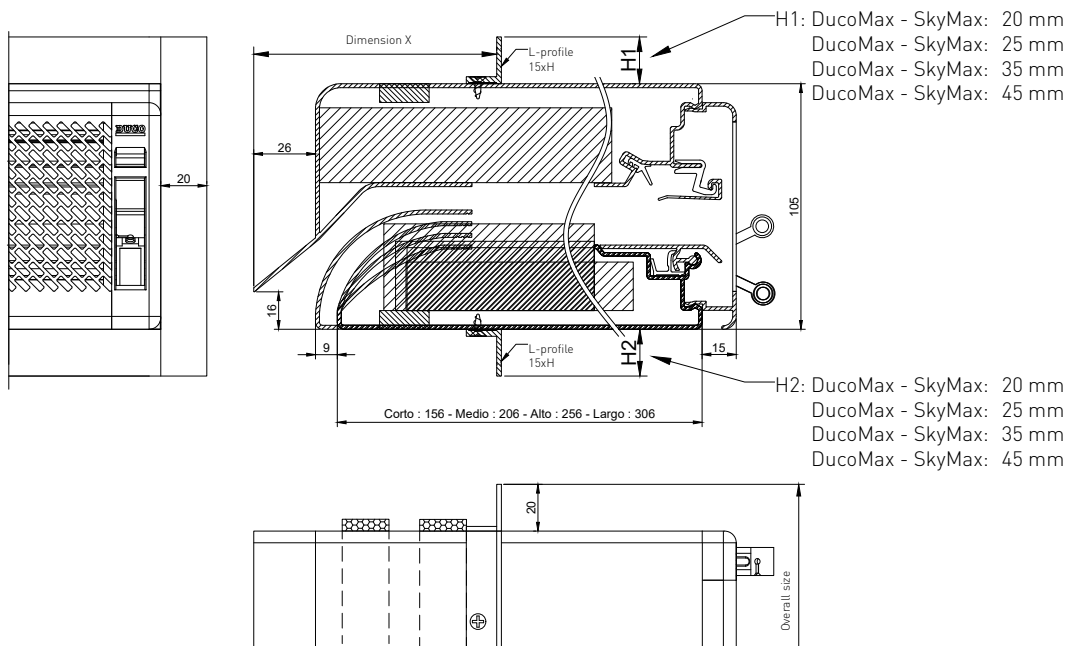
Determining dimension X

For 'invisible' mounting on the **DucoMax SR** or **SkyMax SR** transom, 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. **DucoMax SR** or **SkyMax SR** are fitted with plastic side pieces as standard for 'invisible' mounting on the transom.

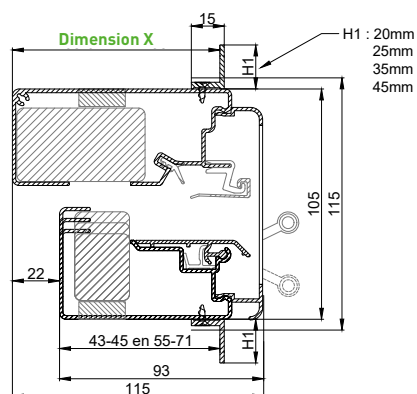
→ DucoMax SR / SkyMax SR

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





→ MiniMax SR



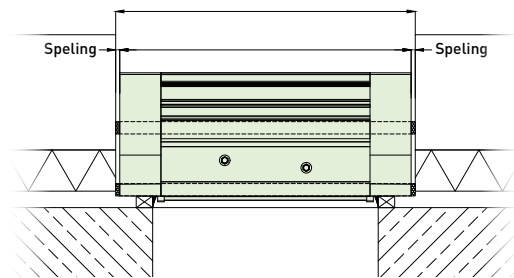
Dimension X (mm)
MiniMax SR
65 - 67
77 - 93



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 SR (AK+)	window size	65	60	5	4000
SkyVent 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



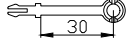
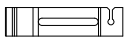
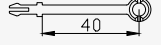
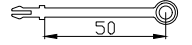
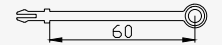
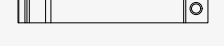
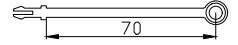
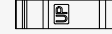
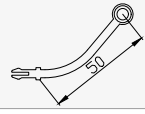
SkyMax SR

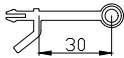
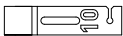
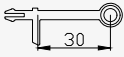
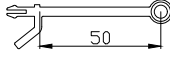
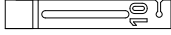
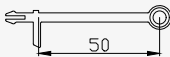
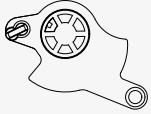
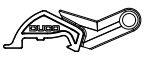
Jheronimus tower | Den Bosch (The Netherlands)

CONTROLS & ANCILLARIES

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

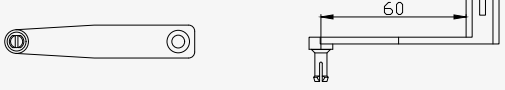
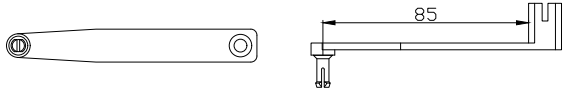
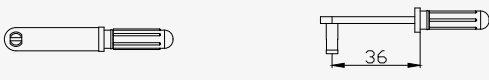
Type	Description	Order no.
 	Handle DucoLine 30 / 10	WHITE  2403
		CREAM  2406
		GREY  2405
		BLACK  2404
 	Handle DucoLine 30 / 17	WHITE  2407
		CREAM  2410
		GREY  2409
		BLACK  2408
 	Handle DucoLine 50 / 10	WHITE  2602
		CREAM  2604
		GREY  2603
		BLACK  2601
 	Handle DucoLine 50 / 17	WHITE  2606
		CREAM  2608
		GREY  2607
		BLACK  2605
	Handle TopVent <i>Corto</i> Right	WHITE  32200006
		BLACK  32200004
	Handle TopVent <i>Corto</i> Left	WHITE  32200007
		BLACK  32200005
	Handle TopVent <i>Medio / Alto / Largo</i> Right	WHITE  32200018
		BLACK  32200016
	Handle TopVent <i>Medio / Alto / Largo</i> Left	WHITE  32200019
		BLACK  32200017
	Handle GlasVent Right	WHITE  08170052
		GREY  08170054
		BLACK  08170050
	Handle GlasVent Left	WHITE  08170053
		GREY  08170055
		BLACK  08170051

STANDARD HANDLES

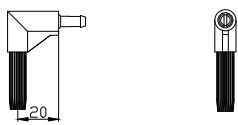
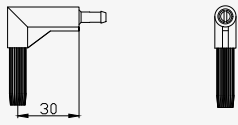
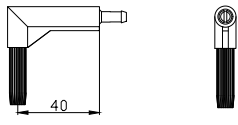
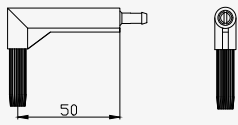
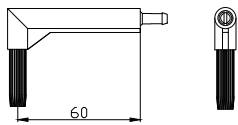
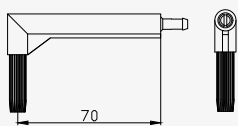
DucoFlat 80 SR	Handle 10
DucoTon 80 SR	Handle 15
DucoPlus 45	Handle 30
DucoPlus 60	
DucoKlep 80 SR	Handle 40
• glass thickness 20, 24, 28 and 32 mm	
• glass thickness 36 mm	
• glass thickness 40, 44 and 48 mm	
	Handle 30
DucoLine 80 SR	Handle DucoLine 30 / 17
	Handle DucoLine 30 / 10

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

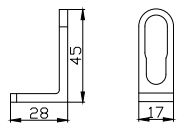
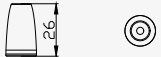
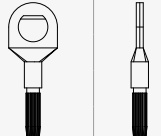
→ Handle extension & straight linkage rod

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

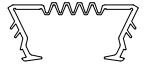
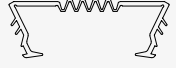
Type	Description	Oder no.
	Angled linkage 20	WHITE  1218
		CREAM  1486
		GREY  1219
		BLACK  1220
	Angled linkage 30	WHITE  1221
		CREAM  1487
		GREY  1222
		BLACK  1223
	Angled linkage 40	WHITE  1224
		CREAM  1488
		GREY  1225
		BLACK  1226
	Angled linkage 50	WHITE  1227
		CREAM  1489
		GREY  1228
		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

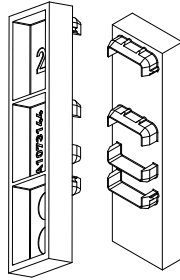
Type	Description	Oder no.
	Vertical rod guide	WHITE  1242
		CREAM  1492
		GREY  1243
		BLACK  1244
	Cord end cap	WHITE  1275
	Rod end cap	BLACK  1247
	Mobile rod end	WHITE  1621
		CREAM  1624
		GREY  1622
		BLACK  1620

ANCILLARIES

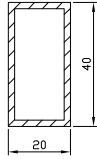
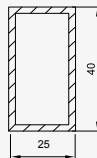
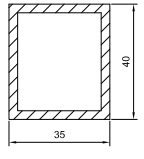
→ Glazing gasket

Type	Description	Oder no.
	Glazing gasket for glass thickness 6 mm	1330
	Glazing gasket for glass thickness 15 mm	1331
	Glazing gasket for glass thickness 22-30 mm	1915
	Glazing gasket for glass thickness 32-40 mm	1916
	Glazing gasket for glass thickness 42-50 mm	1917
	Glazing gasket for glass thickness 52-62 mm	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

TECHNICAL SPECIFICATIONS

→ Ventilation values

				TopVent SR SkyVent SR STD see p. 8 / 10				TopVent SR SkyVent SR AK see p. 8 / 10				TopVent SR SkyVent SR AK+ see p. 8 / 10		TopVent SR SkyVent SR UK AK EA5000 see p. 8 / 10			
Feature		Regulation	Unit	Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo	Alto	Largo	Corto	Medio	Alto	Largo
Flow rate (Q)	at 1 Pa	EN 13141-1	l/s/m	12,2				12,2				8,3		4,0			
	at 2 Pa			18,1				18,1				12,5		5,9			
	at 10 Pa			21,9				21,9				15,8		7,2			
	at 1 Pa	EN 13141-1	m³/h/m	43,9				43,9				29,9		14,4			
	at 2 Pa			69,0				69,0				48,0		21,3			
	at 10 Pa			83,0				83,0				58,0		25,9			
Equivalent area at 1 Pa		EN 13141-1	mm²/m	15517,2				15517,2				10556,8		5600			
Geometrical Free Area		EN 13141-1	mm²/m	17000				17000				12000		17000			
U-value closed position		EN 10077-2	W/m²K	4,14	4,12	3,60	3,42	4,14	4,12	3,60	3,42	3,60	3,42	4,14	4,12	3,60	3,42
Self-regulating		EN 13141-1		yes				yes				yes		yes			
Wind tightness class		EN 12207	Class	Class 4				Class 4				Class 4		Class 4			
Wind tightness closed position		EN 1026	Pa	600				600				600		600			
Water tightness class		EN 12208	Class	E1350				E1350				E1350		E1350			
Leakage rate 50 Pa closed position		EN 13141	m³/h*m	0,173				0,173				0,173		0,173			
Watertightness closed position		EN 1027	Pa	1350				1350				1350		1350			

→ Sound reduction

Feature			Regulation	Unit	Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo	Alto	Largo	Corto	Medio	Alto	Largo
Dn,eW open position			EN ISO 717	dB	31	31	31	31	33	34	36	37	38	40	38	40	41	43
C open position			EN ISO 717	dB	-1	-1	-1	-1	0	0	-1	0	-1	0	0	-1	-1	0
C _{tr} open position			EN ISO 717	dB	-2	-2	-2	-2	-1	-2	-2	-2	-3	-2	-1	-2	-2	-2
Dn,eW closed position			EN ISO 717	dB	43	47	47	47	43	52	55	56	55	56	53	52	54	58
C closed position			EN ISO 717	dB	0	0	0	0	0	-1	0	-1	0	-1	0	-1	-1	-1
C _{tr} closed position			EN ISO 717	dB	-1	-2	-2	-2	-1	-3	-3	-4	-3	-4	-2	-3	-4	-4
Octave band values				dB														
			at 125 Hz	dB	30,3	30,3	30,3	30,3	30,0	30,8	31,6	36,6	32,8	38,0	35,9	36,8	36,5	40,5
			at 250 Hz	dB	32,7	32,7	32,7	32,7	32,7	32,9	34,5	35,6	35,6	37,7	37,9	38	38,2	41,9
			at 500 Hz	dB	26,7	26,7	26,7	26,7	30,5	28,9	29,6	30,5	30,9	33,4	36	34,8	35,2	36,7
			at 1000 Hz	dB	28,0	28,0	28,0	28,0	31,1	33,0	34,9	36,3	36,7	39,3	36,7	37,7	39,4	41
			at 2000 Hz	dB	34,6	34,6	34,6	34,6	35,4	38,9	45,4	50,4	47,7	51,4	39,4	43,8	47,8	54,8

→ General specifications

Feature			Regulation	Unit	Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo	Alto	Largo	Corto	Medio	Alto	Largo
Finish					DAR/Ra/Bi-Colour				DAR/Ra/Bi-Colour				DAR/Ra/Bi-Colour		DAR/Ra/Bi-Colour			
Standard control					handle				handle				handle		handle			
Split as from drum / flap length				mm	1310				1310				1310		1310			
End cap colours					   				   				   		   			

End cap colours

 white
  cream
  grey
  black

TopVent SR SkyVent SR UK AK EA7500 see p. 8 / 10				TopVent SR SkyVent SR UK AK EA10000 see p. 8 / 10				DucoPlus 45 see p. 12	DucoPlus 60 see p. 14	DucoTon 80 SR see p. 16	DucoKlep 80 SR see p. 18	DucoLine 80 SR see p. 20			DucoFlat 80 SR see p. 22	DucoStrip see p. 24	
Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo					10	17	23		Stimline	Wideline
5,9				7,9				7,1	11,2	10,2	15,2	10,7	17,4	22,6	11,5	2.03 /pc	4.1 /pc
8,7				11,7				10,03	15,8	12,3	15,5	16,4	23,0	29,6	13,8	2.9 /pc	5.8 /pc
10,6				14,2				22,50	34,9	15,7	15,6	14,4	21,0	27,4	19,0	6.6 /pc	12.6 /pc
21,2				28,4				25,56	40,3	36,7	54,7	38,5	62,6	81,4	41,4	7.3 /pc	14.8 /pc
31,4				42,1				36,1	56,7	44,3	55,9	59	82,8	106,7	49,7	10.4 /pc	20.9 /pc
38,2				51,2				81,00	125,6	56,6	56,3	52	75,5	98,5	68,3	23.8 /pc	45.4 /pc
8200				11000				9008	14224	12976	19342	13615,8	22141,5	28758,5	14685	2581 /pc	5263 /pc
17000				17000				10000	15000	14400	19200	10800	19300	29500	15000	3000 /pc	6500 /pc
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				no	no	yes	yes	yes		yes	no		
Class 4				Class 4				Class 2	Class 3	Class 3	Class 2	Class 2		Class 3	Class 2		
600				600				450	650	650	450	450		650	300		
E1350				E1350				E900	E650	8A	E650	E700		5A	5A		
0,173				0,173				0,4	0,6	0,6	0,9	0,9		0,3	2,45	4,20	
1350				1350				900	650	450	650	700		200	200		
Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo					10	17	23			
36	38	40	41	35	36	38	39	25	25	27	25	29	28	26	27	32	28
0	-1	-1	-1	0	0	-1	0	0	0	-1	0	-1	-1	0	0	-1	0
-1	-2	-2	-2	-1	-2	-2	-2	0	0	-1	-1	-2	-2	0	-1	0	1
52	52	54	58	51	52	54	58	41	39	34	37	33	33	33	44	36	35
0	-1	-1	-1	0	-1	-1	-1	-1	-1	0	0	-1	-1	-1	0	-1	-1
-2	-3	-3	-4	-1	-3	-3	-4	-2	-1	-1	0	-2	-2	-2	0	-1	-2
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	32,0	31,3
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	41,1	36,5
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	37,0	32,7
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	32,7	27,7
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	29,7	27,0
Corto	Medio	Alto	Largo	Corto	Medio	Alto	Largo										
DAR/Ral/Bi-Colour				DAR/Ral/Bi-Colour				DAR/Ral	DAR/Ral	DAR/Ral/Bi-Colour	DAR/Ral/Bi-Colour	DAR/Ral/Bi-Colour			DAR/Ral/Bi-Colour	DAR/Ral/Bi-Colour	
handle				handle				handle 15	handle 15	handle 15	handle 40	handle 30/10	handle 30/17	handle 30	handle 10	manual	
1310				1310				1200	1500	1500	1500	1500			1500	n/a	
																	

TECHNICAL SPECIFICATIONS

→ Ventilation values

Feature		Regulation	Unit	2500 EA			5000 EA			AK	AK+	10	15	20	Corto 10	Corto 15	Corto 20	Corto 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	2.5 /pc	2.8 /pc	2.7 /pc	3.9 /pc	4.2 /pc	4.2 /pc	15,6	10,7	14,7	19,2	20,7	13,0	20,7	26,9	32,0
	at 2 Pa			3.5 /pc	3.9 /pc	3.8 /pc	5.6 /pc	5.9 /pc	6.1 /pc	21,5	16,3	19,6	27,1	20,6	24,1	25,7	39,3	42,5
	at 10 Pa			8.0 /pc	9.0 /pc	8.8 /pc	12.7 /pc	13.2 /pc	13.8 /pc	29,1	16,6	23,7	39,9	32,4	20,2	22,4	35,3	30,4
	at 1 Pa	EN 13141-1	m³/h/m	9.0 /pc	10.1 /pc	9.7 /pc	14.0 /pc	15.1 /pc	15.1 /pc	56,2	38,5	14,7	19,6	23,7	46,8	74,5	96,8	115,2
	at 2 Pa			12.6 /pc	14.0 /pc	13.7 /pc	20.2 /pc	21.2 /pc	22.0 /pc	77,4	58,7	69,3	97,6	143,8	86,7	92,5	141,5	152,9
	at 10 Pa			28.8 /pc	32.4 /pc	31.7 /pc	45.7 /pc	47.5 /pc	49.7 /pc	104,8	59,8	74,6	74,1	116,6	72,8	80,8	127,1	109,3
Equivalent area at 1 Pa		EN 13141-1	mm²/m	3040 /pc	3346 /pc	3543 /pc	5046 /pc	5263 /pc	5394 /pc	19841,6	13609,3	18706	24941	30158	16543	26341	34230	40720
Geometrical Free Area		EN 13141-1	mm²/m	4511 /pc			6450 /pc			17000	12000	10000	15000	20000	10000	15000	20000	25000
U-value		EN 10077-2	W/m²K	-						2,09		2,00			2,58			
Self-regulating		EN 13141-1		no						yes		yes			yes			
Wind tightness class		EN 12207	Class	Class 2						Class 3		Class 3			Class 2			
Wind tightness closed position		EN 1026	Pa	300						600		600			600			
Water tightness class		EN 12208	Class	9A						E600		E1050			E1050			
Leakage rate 50 Pa closed position		EN 13141	m³/h*m	1,76			2,23			0,79		0,2			0,69			
Watertightness closed position		EN 1027	Pa	600						600		1050			1050			

→ Sound reduction

Feature	Regulation	Unit	2500 EA			5000 EA			AK	AK+	10	15	20	Corto 10	Corto 15	Corto 20	Corto 25
			Double Acoustic	Acoustic Inside	Acoustic Outside	Double Acoustic	Acoustic Inside	Acoustic Outside									
Dn _{e,W} open position	EN ISO 717	dB	42	37	37	37	34	34	33	34	35	34	33	41	38	36	35
C open position	EN ISO 717	dB	-2	0	0	-1	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1
C _{tr} open position	EN ISO 717	dB	-3	0	0	-2	-1	0	-3	-2	-4	-4	-3	-2	-3	-2	-2
Dn _{e,W} closed position	EN ISO 717	dB	56	57	54	53	51	51	51	53	-	-	-	57	55	54	53
C closed position	EN ISO 717	dB	-3	-1	-1	-1	-1	-1	-1	-1	-	-	-1	-2	-2	-2	-1
C _{tr} closed position	EN ISO 717	dB	-5	-5	-4	-4	-3	-3	-4	-4	-	-	-3	-4	-4	-3	-2
Octave band values	at 125 Hz	dB	41,2	41,5	41,5	41,4	41,4	41,4	29,6	30,1	25,0	24,4	23,8	31,5	29,2	28,6	28,0
	at 250 Hz	dB	38,9	39,9	39,9	37,6	38,4	38,2	29,8	30,3	23,8	23,5	22,9	31,6	28,9	27,9	27,3
	at 500 Hz	dB	33,8	32,4	32,9	29,7	30,5	30,5	27	27,6	31,9	31,2	29,8	40,6	35,0	32,7	31,8
	at 1000 Hz	dB	43,2	38,1	38,1	36,6	33,8	35,2	33,8	33,4	36,0	33,9	34,9	45,9	40,1	38,5	37,0
	at 2000 Hz	dB	46,4	37,4	37,4	41,9	34,6	35,7	36,8	37,7	37,6	35,0	35,7	40,4	37,9	36,8	35,2

→ General specifications

Feature	Regulation	Unit	2500 EA			5000 EA			AK	AK+	10	15	20	Corto 10	Corto 15	Corto 20	Corto 25
			Double Acoustic	Acoustic Inside	Acoustic Outside	Double Acoustic	Acoustic Inside	Acoustic Outside									
Finish			DAR/Ra/Bi-Colour						SAA/Ra/Bi-Colour		DAR/Ra			DAR/Ra/Bi-Colour			
Standard control			manual						handle		flap handle 15			flap handle 15			
Split as from drum / flap length		mm	n/a						1250		2000			2000			
End cap colours																	

End cap colours

 white  cream  grey  black

DucoMax SR SkyMax SR see p. 34				DucoMax SR SkyMax SR see p. 34				DucoMax SR SkyMax SR see p. 34				Silenzio SR see p. 36		Silenzio Retro SR see p. 36	
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
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
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
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
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
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
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
14252	22523	32576	39193	15143	22269	33467	37793	15143	22778	34230	36775	21060 /pc	11478 /pc	13616 /pc	11453 /pc
10000	15000	20000	25000	10000	15000	20000	25000	10000	15000	20000	25000	17600 /pc	17600 /pc	17600 /pc	11500 /pc
2,58				2,58				2,58				4,76	4,76	4,76	4,76
yes				yes				yes				yes		yes	
Class 2				Class 2				Class 2				Class 2		Class 2	
600				600				600				300		300	
E1050				E1050				E1050				9A		9A	
0,69				0,69				0,69				0,61		0,61	
1050				1050				1050				600		Depends on outside section	600
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
44	40	39	37	46	42	40	38	49	43	41	38	39	48	43	43
-1	-1	-2	-1	-2	-1	-1	-1	-1	-1	-2	-1	-1	-1	-1	-1
-4	-4	-4	-4	-6	-5	-4	-4	-5	-4	-4	-3	-4	-4	-3	-3
58	57	55	55	60	58	57	56	62	60	57	55	50	61	64	64
-2	-2	-2	-1	-2	-2	-2	-2	-2	-1	-1	-1	-2	-1	-3	-3
-5	-5	-4	-4	-6	-5	-6	-5	-5	-5	-5	-4	-5	-6	-10	-10
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
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
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
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
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
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/Bi-Colour				DAR/Ral/Bi-Colour				DAR/Ral/Bi-Colour				DAR/Ral/Bi-Colour		DAR/Ral	Inner part: DAR/Ral External grille: RAL 7048
flap handle 15				flap handle 15				flap handle 15				manual		manual	
2000				2000				2000				n/a		n/a	
														n/a	



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