

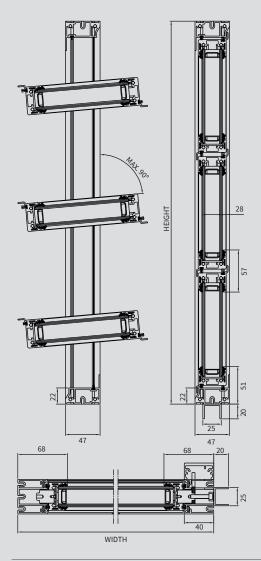
## NON-THERMALLY BROKEN COLTLITE LOUVRED VENTILATORS

#### TYPE CLN

Coltlite CLN is non-thermally broken.

The double glazed louvres, with 28mm thick standard glass, are set all-round into aluminium profiles.

The louvred ventilator providing high airtightness and meeting exacting requirements.







TECHNICAL DATA	COLTLITE CLN
MATERIAL	Non-thermally broken louvred ventilator made of aluminium profiles. Double glazed louvres with 28mm thick standard glass.
WIDTH	300mm - 2000mm
HEIGHT	250mm - arbitrary
HEIGHT OF LOUVRES	170mm - 370mm
OPENING ANGLE	Max. 90° (this depends on the drive selected)
DEPTH OF FRAME	47 mm
LOUVRE INFILL	Insulating glass, composite panels
CONTROLS	Manual, electric, pneumatic





TECHNICAL DATA	COLTLITE CLT
MATERIAL	Thermally broken louvred ventilator made from thermally broken aluminium profiles.  Double glazed louvres with 28mm thick standard glass.
WIDTH	300mm - 2000mm
HEIGHT	250mm - arbitrary
HEIGHT OF LOUVRES	170mm - 370mm
OPENING ANGLE	Max. 90° (this depends on the drive selected)
DEPTH OF FRAME	47 mm
LOUVRE INFILL	Insulating glass, composite panels
CONTROLS	Manual, electric, pneumatic

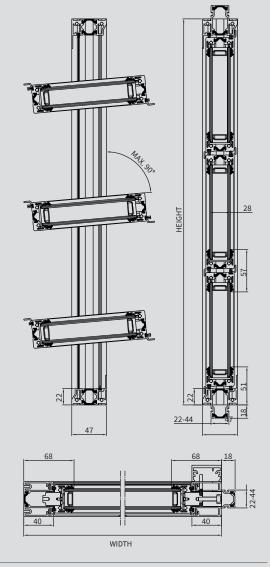
## THERMALLY BROKEN COLTLITE LOUVRED VENTILATORS

#### TYPE CLT

Coltlite CLT is a thermally broken louvred ventilator.

The double glazed louvres, with 28mm thick standard glass, are set all-round into insulated aluminium profiles.

Setting the standard for ventilators with the highest acoustic and thermal requirements.



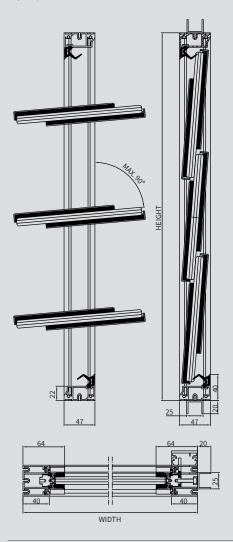
## SINGLE GLAZED COLTLITE VENTILATOR

Type CLS

Coltlite CLS is non-thermally broken.

The louvres comprise 8mm, 10mm or 12mm thick single glazing, which is fixed on the sides into non-insulated aluminium profiles. All visible glass edges are polished. The louvre overlaps provide a louvred glazed appearance.

For the highest aerodynamic performance where thermal insulation is not a key requirement.







TECHNICAL DATA	COLTLITE CLS
MATERIAL	Non-thermally broken louvred ventilator. Sides of the louvres fixed into non-insulated aluminium profiles.
WIDTH	300 mm - 1800 mm
HEIGHT	250 mm - arbitrary
HEIGHT OF LOUVRES	200 mm - 390 mm
OPENING ANGLE	Max. 90° (this depends on the drive selected)
DEPTH OF FRAME	47 mm
LOUVRE INFILL	Single glass (8, 10 or 12mm thick), polished edges
CONTROLS	Manual, electric, pneumatic





TECHNICAL DATA	COLTLITE CLS45
MATERIAL	Non-thermally broken louvred ventilator. Frameless single glazing with 8, 10 or 12mm thick standard glass.
WIDTH	300mm - 1600mm
HEIGHT	250 mm - arbitrary
HEIGHT OF LOUVRES	180 mm - 367 mm
OPENING ANGLE	Max. 90° (this depends on the drive selected)
DEPTH OF FRAME	47 mm
LOUVRE INFILL	Single glass (8, 10 or 12mm thick), polished edges
CONTROLS	Manual or electric

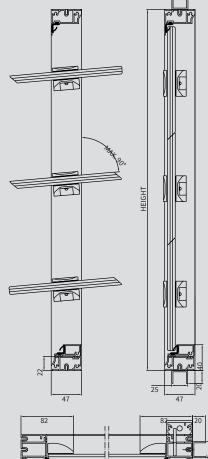
# COLTLITE LOUVRED VENTILATOR WITH SINGLE GLAZING WITH A 45° MITRE CUT

#### TYPE CLS45

The Coltlite CLS45 is non-thermally broken louvred ventilator.

The glass louvres close on their long sides with a 45° mitred edge, so that they are flush with each other when closed and the entire façade looks like a single glass surface. The silver-coloured aluminium point brackets hold the glass, which makes it unnecessary to surround the individual louvres with frame profiles.

The first choice for architects whose aim it is to create an aesthetic façade.







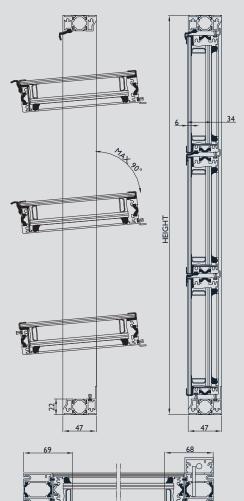
WIDTH

#### THERMALLY BROKEN COLTLITE LOUVRED VENTILATORS

#### TYPE CLST

Coltlite CLST louvred ventilators have an all-glass appearance from the outside, and are suitable for natural day-to-day ventilation. The frame has a depth of 47 mm with concealed fittings. The external louvres are flush without visible louvre profiles, suitable for vertical installation.

A symbiosis of functionality and design.











TECHNICAL DATA	COLTLITE CLST
MATERIAL	Thermally broken louvred ventilator. A flat glazed appearance when viewed from the outside.
WIDTH	300 mm - 1600 mm
HEIGHT	250 mm - arbitrary
HEIGHT OF LOUVRES	210 mm - 359 mm
OPENING ANGLE	Max. 90° (this depends on the drive selected)
DEPTH OF FRAME	47 mm
LOUVRE INFILL	Double insulated glazing with step and polished edges
CONTROLS	Manual or electric

WIDTH





TECHNICAL DATA	COLTLITE CLET
MATERIAL	Thermally broken louvred ventilator.
WIDTH	300mm - 2000mm
HEIGHT	270 mm - arbitrary
HEIGHT OF LOUVRES	240 mm
OPENING ANGLE	Max. 90° (this depends on the drive selected)
DEPTH OF FRAME	47 mm
LOUVRE INFILL	Aluminium, optionally with PUR/PIR or mineral wool infill
CONTROLS	Manual, electric, pneumatic

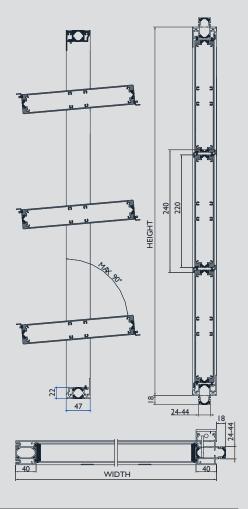
#### THERMALLY-BROKEN COLTLITE LOUVRED VENTILATORS

#### TYPE CLET

The Coltlite CLET louvred ventilator consisting of thermally-broken aluminium profiles, anodised or powder-coated in the RAL colour of your choice.

40mm thick visible width of the frames, operation of the louvres via a maintenance-free drive with concealed mechanisms and concealed movement. Louvres consist of flush thermally separated aluminium profiles with a U-value of up to 1.7 W/m²K.

The virtually flush-finish louvred ventilator for industry.



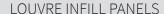
# **ACTUATOR TYPES**

A Coltlite ventilator can be manually adjusted to any position between 0° and 85° using a hand lever or crank handle. This allows high aerodynamic coefficients to be achieved. In addition to a pneumatic drive, over 20 different electric drives are available. Electronically controlled drives are available to minimise the risk of body parts being pinched.

Colt is a leader in this area with its "slow" drive variants, which are fast enough in the event of a fire, but slow enough to largely prevent trapping of body parts.

In addition to various spring return motors, which open the units in the event of fire without any power supply, a specially certified drive can also be used for outdoor applications.

Most actuator types have housings with a powder coating colour to match the colour of the frames.



As standard, there are single or double glazed louvres available. Glass thicknesses between 4 and 8mm are available for double glazed louvres with a total thickness of 28mm or 34mm (Coltlite CLST only) and glass thicknesses of 8mm, 10mm and 12mm for the Coltlite CLS and CLS45 single glazed versions

Optionally, insulated aluminium louvres or polycarbonate multi-wall sheets can also be used.



#### PAINT FINISHES

All frame profiles and aluminium louvres can be anodised to E6 EV1. This finish is light coloured matt silver. The profiles themselves (frames and louvres) can be polyester powder finished to a standard RAL colour.

Metallic and special colours are available on request.

Where profiles are thermally broken, two colours may be provided. This means that the inner and outer profiles are different colours.



#### ADDITIONAL OPTIONS

A Coltlite louvred ventilator can now be equipped with one or two magnetic limit switches, which signals to the building management system either that the unit is closed or the unit is open.

The switch includes a contact and magnets that are installed onto the units.

Alternatively, mechanical limit switches can be installed onto the frame.

Coltlite louvred ventilators are also certified to EN 12101-2 as smoke and heat ventilators if they are fitted with bird and insect screens.

#### **KEY FEATURES**

# Sound attenuation value **Coltlite CLT**

41 dB\*



Conventional air conditioning systems

+4dB

37 dB

For most applications, we can

# guarantee anti-finger trapping protection

# **Excellent energy efficiency**

The special design of Coltlite makes it particularly energy-efficient.

Coltlite CLS, CLT, CLN, CLST and CLET versions have been tested

and are certified to EN 12101-2 by TÜV

Tested and CF marked to

EN 14351-1 doors and windows certification

90° opening angle

Coltlite is custom made

Manufactured individually according to your design specifications and usage requirements

Resistance to wind (EN 12210)

\* depending on the variant selected

		LOUVRE FRAMES	VENT WIDTH 1	VENT HEIGHT <sup>2</sup>	LOUVRE HEIGHT 3	OPENING ANGLE⁴	DEPTH OF FRAME	LOUVRE INFILL TYPES	GLASS OR LOUVRE THICKNESSES	GLASS TYPES	ALTERNATIVE INFILL TYPES	CONTROLS	AIR PERMEABILITY (EN 12207)	RESISTANCE TO RAIN (EN 12208)	RESISTANCE TO WIND (EN12210)	SHEV (EN12101-2)	U VALUE (EN ISO 10077-1)	C <sub>v</sub> VALUE	SOUND INSULATION
	COLTLITE CLN	AL profiles, not thermally broken	300mm - 2000mm	250mm - arbitrary	170mm - 370mm	Max. 90°	47mm	Insulated glazing composite panels	28mm	Float glass, toughened glass, partially heat- strengthened glass, laminated safety glass	Composite panels	Manual, electric, pneumatic		Class 5A		A tested and certified product	up to max. 1.9 W/m²/K	Up to max. 0.58	Not tested
	COLTLITE CLT	AL profiles, thermally broken	300mm - 2000mm	250mm - arbitrary	170mm - 370mm	Max. 90°	47mm	Insulated glazing composite panels	28mm	Float glass, toughened glass, partially heat-strengthened glass, laminated safety glass	Composite panels	Manual, electric, pneumatic	.1 rracteristics)	Class 4A	en 12211	A tested and certified product	up to max. 1.5 W/m²/K	Up to max. 0.58	up max. 41 dB
	COLTLITE CLS	Side glass holder profiles	300Mm - 1800mm	250mm - arbitrary	200mm - 390mm	Max. 90°	47mm	Single glass edges polished	8/10/ 12mm	Float glass, toughened glass, partially heat- strengthened glass, laminated safety glass	-	Manual, electric, pneumatic	ssified to EN 14351- rd, performance cha	Class 2A	ne unit size, tested to r permeability tests	A tested and certified product	up to max. 5.8 W/m²/K	up to max. 0.65	up to max. 27 dB
117	COLTLITE CLS45	Frameless	300mm - 1600mm	250mm - arbitrary	180mm - 367mm	Max. 90°	47mm	Single glass edges polished	8/10/ 12mm	single toughened safety glass	-	Manual or electric	Tested to EN 1026 and classified to EN 14351-1 Windows and doors product standard, performance characteristics)	Class 2A	Classification value depends on the unit size, tested to EN 12211 in combination with air permeability tests	Not tested	up to max. 5.8 W/m²/K	Not tested	Not tested
	COLTLITE CLST	AL profiles, thermally broken	300mm - 1600mm	250mm - arbitrary	210mm - 359mm	Max. 90°	47mm	Insulated double stepped glass	34mm	Outer-6mm single toughened safety glass. Inner-float, toughened safety glass, laminated safety glass	-	Manual or electric	Teste Windows and d	Class 3A	Classification	A tested and certified product	up to max. 1.8 W/m²/K	up to max. 0.58	Not tested
	COLTLITE CLET	AL profile, thermally broken	300mm - 2000mm	250mm - arbitrary	240mm	Max. 90°	47mm	optional PUR/PIR or mineral wool	38mm	-	-	Manual, electric, pneumatic		Class 4A		A tested and certified product	up to max. 1.9 W/m²/K	Up to max. 0.58	Not tested

 $<sup>^{1)}\,\</sup>mbox{Outer}$  frame dimensions. For throat dimensions subtract 80mm.

The value shown is based on the characteristics of a specific typical sample. These data are indicative only. The ventilator should be designed to resist the design wind loads.





<sup>2)</sup> Ventilators over a certain width and height are separated for ease of transportation and handling.

<sup>3)</sup> Maximum louvre weight 20 kg. Aspect ratio of louvre height to louvre length must be less than 1:10.

<sup>&</sup>lt;sup>4)</sup> This value depends on the width of the unit, the wind strength and louvre height.