

Testing of AmberAir Compact CXP

SHOWED OUTSTANDING CASING CHARACTERISTICS

SALDA



SALDA has been consistently investing in production equipment, designing of new products, and personnel qualifications for more than 27 years. We consistently work on designing and production of ventilation equipment defined by the best technical characteristics tested by independent laboratories.

In autumn 2017 we started marketing a series of ceiling air handling units designed for non-residential premises: AmberAir Compact CXP. One of the main goals of the project was designing of a ventilation unit, which could be installed in several positions both indoors and outdoors. This is why technical parameters of the casing had been a major focal point. The casing of the aforementioned ventilation units is CD50, which incorporates powder coated galvanized tin panels and mineral wool insulation.

The casings of the ventilation units have been certified by Eurovent and tested by TÜV SÜD laboratories in Munich, Germany. The testing results indicate that the new casing CD50

has the best strength characteristics (D1(M), it is highly hermetic (L1(M)/L2(M)/F9(M)) and has a high-class thermal bridge (TB2).

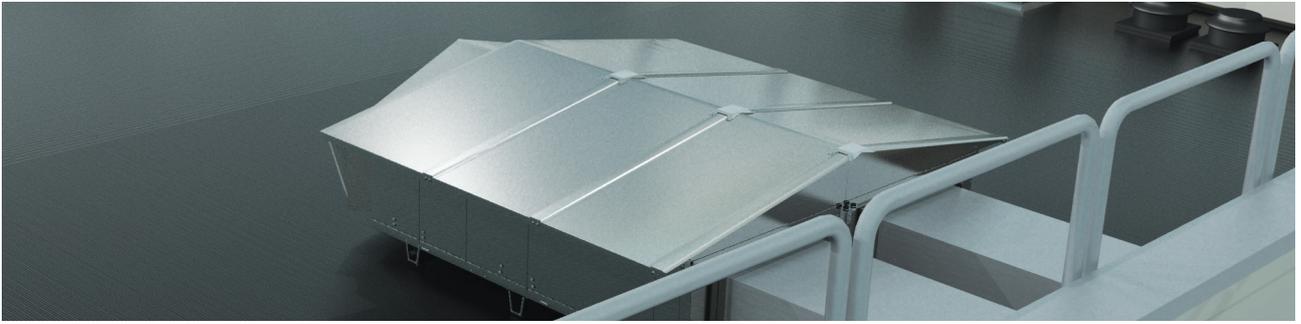
Top-class casing airtightness is one of the key characteristics of all ventilation units manufactured by SALDA. This is precisely why there is no need to substitute air leakages, which results in lower energy expenses. Moreover, the internal tightness prevents air flows from mixing.

Filter bypass leakage class F9(M) enables using filters of even class F9 in the units.

Thermal bridging factor class TB2 is one of the highest ones used in this type of casings. Such parameters of the products ensure reliable prevention of condensate formation on the walls.

Data posted on the website of Eurovent Certita Certification¹ indicates that casing CD50 is one of the best options on the market of this type of products and supersedes even golden casings of other manufacturers in terms of their parameters.

1 - <http://www.eurovent-certification.com/>



COMPARATIVE TABLE OF TECHNICAL CHARACTERISTICS OF CASING CD50*

Model	Casing Strength class	Casing air leakage class at -400 pa	Casing air leakage class at +700 pa	Filter bypass Leakage class	Casing thermal transmittance class	Thermal bridging factor class
CD50	D1(M)	L1(M)	L2(M)	F9(M)	T3	TB2
Your benefits	Longest durability	Lowest energy expenses to substitute leakages; Intermixing prevention		Better filtration	Low energy losses	Good condensate prevention
Competitor I	D2(M)	L2(M)	L2(M)	F9(M)	T3	TB3
Competitor II	D2(M)	L2(M)	L1(M)	F9(M)	T3	TB3
Competitor III	D2(M)	L2(M)	L2(M)	F7(M)	T3	TB3
Competitor IV	D1(M)	L2(M)	L2(M)	F9(M)	T3	TB3

* - [Data retrieved from the website of Eurovent Certita Certification](#)

We are happy to provide top-quality and reliable ventilation units for your projects!



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