



Characteristics

The NCS series of air handling units is a direct descendant of the NCD series. They both offer high quality components, versatile configurations, and a complete array of available sections and accessories.

The NCS series of air handling units is notable due to its use of 25 mm thick sandwich panels, which are attached to the frame using frame panels which do not require screws. This system allows for uniform pressure on the case, minimizing leakage.

Thanks to a modular construction and the wide range of accessories, the designer is always able to select the most appropriate unit for their precise installation type.

Main Characteristics

• Structure:

Aluminium sections with rounded edges and reinforced nylon corners.

The case is made of sealing sandwich panels, 25 mm thick, attached to the frame using an exclusive frame panel which does not require any screws.

• Aluminium dampers

with aerofoil blades. Precise construction guarantees low leakage.

• Filter systems

All types of filter systems generally used in air handling units are available, all of which guarantee conformance with the current regulations regarding environmental air quality.

• Heat exchange coils

can be removed on slides and are provided in various materials based on usage and heating system.

• Humidification systems

Chosen based on the specific intended use for the unit, in conformance with the system chosen.

• Forward or backward curved fan blades.

The choice is made based on the requested aerodynamic performance, and with attention to output and noise level.

• Silencers

Available in various lengths. Constructed of rock wool, surfaces in contact with the air are protected using polyester film and held inside a micro-perforated galvanized steel sheet.

• Various types of heat recovery systems

Make it possible to respect current energy saving regulations.

Accessories

A vast array of accessories, which can be chosen using our selection programme. The programme also makes it possible to quickly design a unit in real-time.

Technical information

NCS	air flow rate (m3/h)			
	2	2,5	3	3,5
1	907	1134	1361	1588
2	1566	1958	2349	2741
3	1912	2390	2867	3345
4	2506	3132	3758	4385
5	3059	3823	4588	5352
6	3445	4307	5168	6029
7	4206	5257	6308	7360
8	4966	6207	7449	8690
9	6415	8019	9623	11227
10	7582	9477	11372	13268
11	9238	11548	13857	16167
12	11370	14213	17055	19898
13	13582	16978	20373	23769
14	17055	21319	25583	29847
15	20609	25761	30913	36065
16	24618	30772	36926	43081
17	29711	37139	44566	51994

Vel.: Face velocity on the battery pack heat exchange

Dimensional data (mm)

NCS	External dimensions		Internal dimensions	
	Width	Height*	Width	Height
1	684	521.5	613	409.5
2	1009	521.5	938	409.5
3	1171.5	521.5	1100.5	409.5
4	1009	684	938	572
5	1171.5	684	1100.5	572
6	1009	846.5	938	734.5
7	1171.5	846.5	1100.5	734.5
8	1334	846.5	1263	734.5
9	1659	846.5	1588	734.5
10	1659	1009	1588	897
11	1984	1009	1913	897
12	1984	1171.5	1913	1059.5
13	2309	1171.5	2238	1059.5
14	1984	1659	1913	1547
15	1984	1984	1913	1872
16	2309	1984	2238	1872
17	2309	2309	2238	2197

*declared external height does not include the base (120 mm)