



Air conditioning unit

For the air treatment

With modular sections

Indoor and outdoor installation

Air flow rate from 350 to 44400 l/s
(from 1260 to 160000 m³/h)

- ✓ two types of structure and panelling, 50 mm and 60 mm, which allow thermal break classes T2/TB3 and T2/TB2 to be achieved;
- ✓ 32 standard sizes with continuous air flow coverage at frontal speed of 2.2 to 2.5m/s;
- ✓ customisation of the dimensions in height and width with a 50 mm pitch to meet the most stringent architectural constraints.
- ✓ sandwich-type double-sheet panels with injected polyurethane or mineral wool thermal and acoustic insulation in between, thermal cut between the sheets, 50 or 60 mm thick, seven different types of sheet available;
- ✓ modular structure with smooth internal surfaces to minimise dust accumulation and facilitate cleaning and disinfection;
- ✓ for indoor or outdoor installation with protective roof;
- ✓ wide range of air filtration solutions from coarse filters, medium filters with rigid or floppy pockets, absolute, electronic, activated carbon, high and very high efficiency filters;
- ✓ germicidal and virucidal solutions with UV-C lamps or photocatalytic oxidation modules;
- ✓ static, rotary, run-around heat recovery units;
- ✓ water, direct expansion, steam, thermal oil, electric heat exchangers;
- ✓ adiabatic humidification systems, self-generated or network steam, water spray, washers;
- ✓ internal condensate collection tanks with anti-condensate insulation, with inclination towards the discharge, made of aluminium or stainless steel;
- ✓ centrifugal fan sections with belt and pulley drive, plug-fan radial with brushless EC motors, electric fans;
- ✓ without control systems or complete with probes, actuators, wiring, electrical panel with control system and unit management logic;
- ✓ Remote and centralized system monitoring through INTELLIAIR



Clivet participates in the ECP Programme for "Air Handling Units". Check ongoing validity of certificate on www.eurovent-certification.com



compliant
ErP

functions and features



Heating-Cooling



Indoor inst.



Outdoor inst.

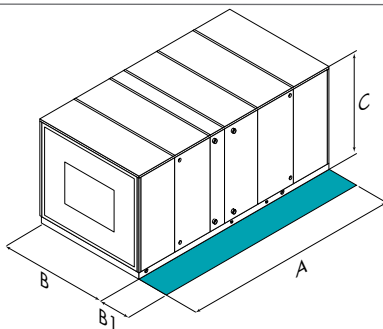


Free-cooling



INTELLIAIR

dimensions and clearances



CAUTION!

For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the green areas.

(*) Length A depends on the specific configuration.

(**) Operating weight depends on the specific configuration.

(***) Height without base. Standard base = 120 mm

Dimensions refer to model with 50 mm structure, add 20 mm to the indicated dimensions to obtain the 60 mm structure.

The above data refer to standard units.

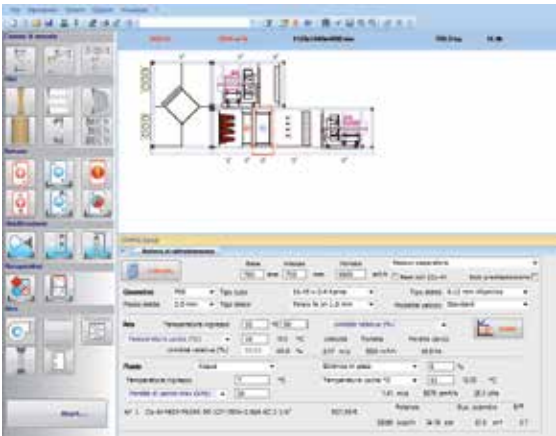
Size	AQX	1	2	3	4	5	6	7	8	9	10	11
A - Length	mm						(*)					
B - Width	mm	770	820	920	870	920	1020	970	1020	1170	1120	1220
C - Height (***)	mm	570	570	620	720	720	720	820	820	820	920	920
B1 - Servicing space												
for inspection	mm	800	800	800	800	800	800	800	800	800	800	800
coil removal	mm	964	1034	1024	1024	1094	1187	1194	1214	1324	1284	1394
Operating weight	kg						(**)					

Size	AQX	12	13	14	15	16	17	18	19	20	21	22
A - Length	mm						(*)					
B - Width	mm	1220	1370	1370	1570	1570	1620	1770	1820	2070	2120	2220
C - Height (***)	mm	1070	1070	1170	1170	1320	1420	1420	1520	1520	1670	1770
B1 - Servicing space												
for inspection	mm	800	800	800	800	800	800	800	800	800	800	800
coil removal	mm	1524	1504	1574	1734	1744	1774	1894	2094	2324	2264	2524
Operating weight	kg						(**)					

Size	AQX	23	24	25	26	27	28	29	30	31	32
A - Length	mm						(*)				
B - Width	mm	2370	2470	2620	2820	3170	3570	4020	4570	5170	5870
C - Height (***)	mm	1920	2020	2120	2270	2270	2270	2270	2270	2270	2270
B1 - Servicing space											
for inspection	mm	800	800	800	800	800	800	800	800	800	800
coil removal	mm	2524	2594	2744	3074	3444	3874	4364	4924	5564	6304
Operating weight	kg						(**)				

selection software

The air handling units selection software allows to size the units and to have immediately the complete technical offer with executive drawings, technical data sheets and list of main components and materials used.



Hygienic air handling units

The AQX H version is available for applications that require high hygienic standards (pharmaceutical, hospital, food and microelectronic sectors). It guarantees maximum cleanliness and ease of maintenance in compliance with DIN 1946-4 and VDI 6022-1 standards. For more details, refer to the dedicated brochure by scanning the following QR code.



technical data

Size	AQX	1	2	3	4	5	6	7	8	9	10	11
Air flow rate	(1) l/s m³/h	414	473	544	624	714	816	938	1073	1223	1404	1602
		1490	1700	1960	2250	2570	2940	3380	3860	4400	5050	5770

Size	AQX	12	13	14	15	16	17	18	19	20	21	22
Air flow rate	(1) l/s m³/h	1838	2111	2412	2760	3159	3630	4156	4752	5445	6245	7156
		6620	7600	8680	9940	11370	13070	14960	17110	19600	22480	25760

Size	AQX	23	24	25	26	27	28	29	30	31	32
Air flow rate	(1) l/s m³/h	8190	9383	10751	12315	14101	16167	18513	21191	24276	27821
		29480	33780	38700	44330	50760	58200	66650	76290	87390	100160

(1) Air passage speed on the heat exchange coils 2.5 m/s

accessories

The air treatment units of the AQX series are available with a vast range of accessories that can be selected directly with the selection software.

A few of the most common accessories are listed below:

- ✓ Weatherproof roof and control protection technical compartment;
- ✓ Weatherproof covers on the external air inlets and outlets
- ✓ Safety device for moving components
- ✓ Spotlights and viewing panel for inspection
- ✓ Inverters on the fan motors

Other accessories not found in the basic selection can be assessed on request.