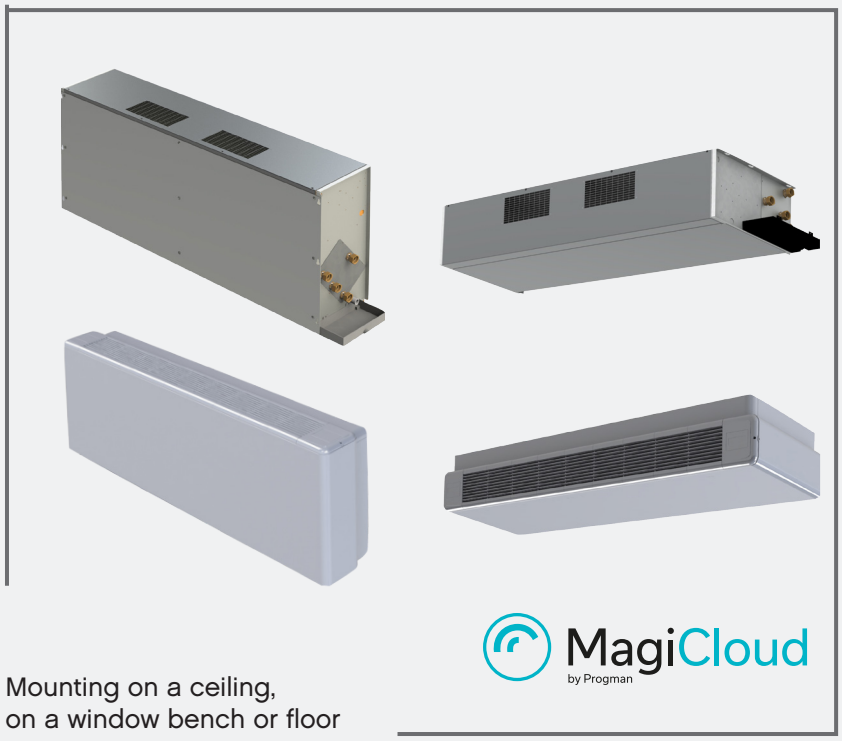
Studio

A complete, ready-made solution



Mounting on a ceiling,
on a window bench or floor

MagiCloud
by Progman

Offices

Public buildings

Adaptable system

Studio fan coil units are designed to adapt to various mounting methods and capacities, irrespective of the application. The units are compatible with 2- and 4-pipe systems and water and liquid circuits.

Each device is dimensioned specially for the application, ensuring that optimal coil sizes, routes and air volumes are selected for the system. All units are individually configured and tested.

Studio units are available in four sizes: 9, 10, 13 and 16 All the models can be selected with or without a protective cover.

- Adaptable for left- or right-handed use
- Available as horizontal and vertical models
- Free-standing or recessed mounting
- For cooling machine rooms and spaces occupied by people

Easy to install, easy to maintain

Thanks to the comprehensive configuration, less work is required on the worksite. The units and their automation systems are always tailored for the application. Unit configurations can be replicated and unit components can be replaced without it affecting the system as a whole. These properties ensure a long and carefree service life for the unit.

As an additional service, the units can be marked with position codes to make it easier to position the machines in the correct places and to speed up the progress of large-scale projects.

Dimensions

Model	Width	Height	Depth
Studio HLC 9	1020	450	250
Studio HLC 10	1320	450	250
Studio HLC 13	1620	450	250
Studio HLC 16	1920	450	250
Model	**Width**	**Height**	**Depth**
Studio HLK 9	752	430	250
Studio HLK 10	1052	430	250
Studio HLK 13	1352	430	250
Studio HLK 16	1652	430	250
Model	**Width**	**Height**	**Depth**
Studio VLK 9	752	429	250
Studio VLK 10	1052	429	250
Studio VLK 13	1352	429	250
Studio VLK 16	1652	429	250
Model	**Width**	**Height**	**Depth**
Studio VLC 9	1020	450	250
Studio VLC 10	1320	450	250
Studio VLC13	1620	450	250
Studio VLC 16	1920	450	250
Model	**Width**	**Height**	**Depth**
Studio VC 9	1020	572	250
Studio VC 10	1320	572	250
Studio VC 13	1620	572	250
Studio VC 16	1920	572	250
Model	**Width**	**Height**	**Depth**
Studio VK 9	752	550	250
Studio VK 10	1052	550	250
Studio VK 13	1352	550	250
Studio VK 16	1652	550	250
Model	**Width**	**Height**	**Depth**
Studio VKS 09	752	430	261
Studio VKS 10	1052	430	261
Studio VKS 13	1352	430	261
Studio VKS 16	1652	430	261

More details from Option selection program

Technical data

7°C/12°C, 25°C/50%	Total capacity (kW)	Sensible capacity (kW)	Sound level (dB(A), 10 m²)*	Liquid flow rate (l/h)	Air volume (m^3/h)
9	1.0–4.1	0.7–2.9	22–53	173–702	165–640
10	1.6–5.6	1.1–3.9	21–54	270–958	225–853
13	1.6–6.5	1.1–4.6	18–55	277–1,120	269–994
16	2.6–10.1	1.9–7.1	25–57	454–1,732	313–1,476
10°C/18°C, 25°C/50%	**Total capacity (kW)**	**Sensible capacity (kW)**	**Sound level (dB(A), 10 m²)***	**Liquid flow rate (l/h)**	**Air volume (m^3/h)**
9	0.7–2.5	0.6–2.1	22–53	72–266	165–640
10	1.1–3.4	0.9–2.9	21–54	115–367	225–853
13	1.1–3.9	0.9–3.4	18–55	119–421	269–994
16	1.8–6.1	1.5–5.3	25–57	191–659	313–1,476
7°C/12°C, 27°C/50%	**Total capacity (kW)**	**Sensible capacity (kW)**	**Sound level (dB(A), 10 m²)***	**Liquid flow rate (l/h)**	**Air volume (m^3/h)**
9	1.2–5.1	0.8–3.2	22–53	209–871	165–640
10	1.9–6.9	1.2–4.4	21–54	331–1,188	225–853
13	2.0–4.7	1.3–3.0	18–39	338–814	269–994
16	3.2–12.5	2.1–8.0	25–57	551–2,153	313–1,476
60°C/40°C, 18°C/40%	**Total capacity (kW)**	**Sensible capacity (kW)**	**Sound level (dB(A), 10 m²)***	**Liquid flow rate (l/h)**	**Air volume (m^3/h)**
9	1.6–7.0	1.6–7.0	22–53	68–306	165–640
10	2.5–9.5	2.5–9.5	21–54	108–414	225–853
13	2.6–10.8	2.6–10.8	18–55	112–472	269–994
16	4.1–17.3	4.1–17.3	25–57	180–752	313–1,476

More detailed measurements at Option selction program

***Sabine**

Electronics

Supply 230-50-1 [V - Hz - Ph]
Studio 9 (EH) [fan] 60 / 0.5 [W / A]
Studio 10 (EH) [fan] 60 / 0.5 [W / A]
Studio 13 (EH) [fan] 60 / 0.5 [W / A]
KP 11 / 0.09 [W / A]

Fan coil model

HLC: HLC ceiling-mounted model with a cover
HLK: HLK ceiling-mounted model without a cover
VLK: VLK wall-mounted model without a cover, dry
VLC: VLC wall-mounted model with a cover, dry
VC: VC wall-mounted model with a cover, wet
VK: VK wall-mounted model without a cover, wet
VKS: VKS wall-mounted model without a cover, front suction

Handedness
O: Right-handed
V: Left-handed

Accessories

Control valve (cooling/heating)
CVPT/HVPT: Pressure-independent 2-way control valve
CV2/HV2: Two-way valve
CV3/HV3: Three-way valve

Valve actuator (cooling/heating)
AC10/AH10: 0–10 V Actuator control
AC24/AH24: 24 V Actuator control

Removal of condensate
KP: Condensate pump lifting height 0.5 m
KP0: Without pump/with gravity drainage

Power supply
P15: 2 m cable with a plug
P30: 3 m cable with a plug

Frame accessories
W: Integrated condensate basin (standard feature in VC, VK and VKS)
UK: External condensate basin (compulsory with a pump)
RP: Cover back plate (only models with a protective cover)
JP: Cover leg set (only models with a protective cover)

Suction plenum chamber
IK: Suction plenum chamber
IKS: Suction plenum chamber and grille

Pressure duct
PA: Pressure duct (only HLK, VLK and VK)
PAS: Pressure duct and grille (only HLK, VLK and VK)
TKS: Telescopic duct and grille (only HLK, VLK and VK)

Automation

Vari PRO [Modbus RTU]
Controller
T8C: VariPro controller with a 10 m cable and quick connector
T8: VariPro controller [BL: Black, WH: White]
T0: Control via the BMS

Digital outlet (1 pcs.)
DO2: Control of the circulation water pump in cooling
DO3: Control of the circulation water pump in heating
DO6: Control of radiator heating for a single actuator (on/off, 24V PWM)
'DO9: Heater Kit - Control of radiator heating for 2 to 5 actuators (on/off 24V PWM) [Corresponds to the DO6 feature, which includes the delivery of an actuator power source: six actuator connectors (the total energy consumption by the actuators is max. 1A)]'

Analogue input (1 pcs.)
AI1: Presence (e.g. key card)
AI2: Cooling off
AI3: Heating off
AI5: All functions off (heating/cooling)
AI6: Generic measurement [mV]
AI7: Humidity measurement [RH%]
AI8: CO2 measurement [ppm]
AI9: Temperature measurement [°C]
AI10: Condensate alarm, switches cooling off
AI11: Window switch, switches cooling off

Vari [Analogue voltage control]
Controller
T7: HLS-44 controller
T5: VariTec 300 controller (no heating control)
T0: No controller; Control via the BMS (0-10 V or 24 V)