

Grand

A complete, ready-made solution



A fan coil unit for draught-free cooling



Adaptable system

The Grand fan coil units are designed to meet the strict quality and sound requirements in hotels, residential properties and public buildings. The units are compatible with 2- and 4-pipe systems and water and liquid circuits.

Each device is dimensioned separately with the Option program, ensuring that optimal coil sizes, routes and air volumes are selected for the system. All units are individually configured and tested with an automated testing system.

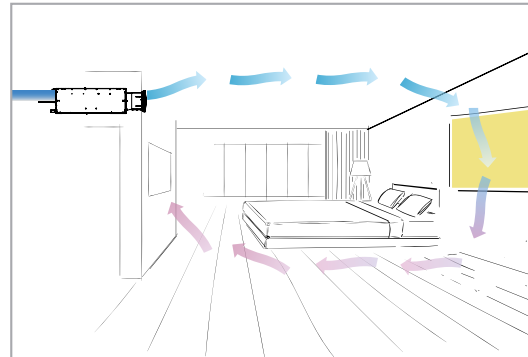
The Grand units are available in two sizes: 700 mm- and 1,000 mm-wide frame-only models.

- The unit's two-way grille ensures **draught-free and silent indoor conditions with a constant temperature**. Circulating and supply air are directed into the room via the grille's top section, while exhaust air flows back into the unit through the grille's lower section. Directing supply air into the room along the ceiling across the entire width of the grille ensures draught-free cooling for the space.
- The duct frame mounted on the grille **adapts in line with wall thickness**.

Steady control

The fan is controlled in a variable or incremental manner, irrespective of the Vari automation settings. The user can choose from five setting ranges in line with the required capacity and permitted sound level.

Unit-specific valves and actuators come ready-installed and equipped with power sources. With a combination of pressure-independent valves and Vari automation technology, water flow is maintained at the required level. This solution ensures the desired conditions, while reducing the total flow in the system. As a result, energy consumption is reduced and noise generated by valves is minimised. This makes it easier to maintain room the temperature at the set level without fluctuations.



Technical data

7 °C/12 °C, 25 °C/50 %	Total effekt (kW)	Sensibel effekt (kW)	Ljudnivå (dB(A), 10 m²)*	KB-flöde (l/h)	Luftmängd (m³/h)
70	1,3-2,3	1,0-1,7	28-45	223-392	176-356
100	1,5-3,7	1,1-2,8	20-45	252-644	169-583
10°C/18 °C, 25 °C/50 %	Total effekt (kW)	Sensibel effekt (kW)	Ljudnivå (dB(A), 10 m²)*	KB-flöde (l/h)	Luftmängd (m³/h)
70	0,5-1,0	0,5-1,0	28-45	155-274	176-356
100	0,6-1,6	0,6-1,6	20-45	176-454	169-583
7 °C/12 °C, 27 °C/50 %	Total effekt (kW)	Sensibel effekt (kW)	Ljudnivå (dB(A), 10 m²)*	KB-flöde (l/h)	Luftmängd (m³/h)
70	1,6-2,9	1,1-1,9	28-45	281-500	176-356
100	1,8-4,7	1,2-3,2	20-45	317-814	169-583
60 °C/40 °C, 18 °C/40 %	Total effekt (kW)	Sensibel effekt (kW)	Ljudnivå (dB(A), 10 m²)*	KB-flöde (l/h)	Luftmängd (m³/h)
70	2,2-4,1	2,2-4,0	28-45	97-176	176-356
100	2,5-6,8	2,5-6,8	20-45	108-299	169-583

More detailed measurements at option selection program

*Sabine

Electronics

Supply 230-50-1 [V - Hz - Ph]
GV 70 (EH) [fan] 55 / 0.5 [W / A]
GV 100 (EH) [fan] 60 / 0.5 [W / A]
KP 11 / 0.09 [W / A]

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

Fresh air supply connection

*A plugged Ø 125 mm duct connection as a **standard feature***

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)]'

Analog 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 24V)

Dimensions

