

# 42GM ATM

## DUCTED FAN COIL UNITS

### Physical and electrical data

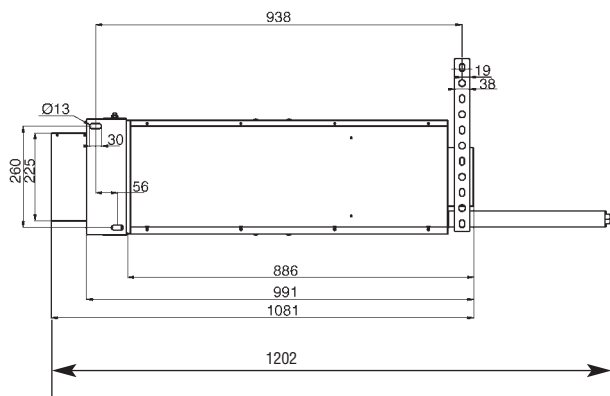
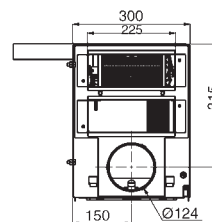
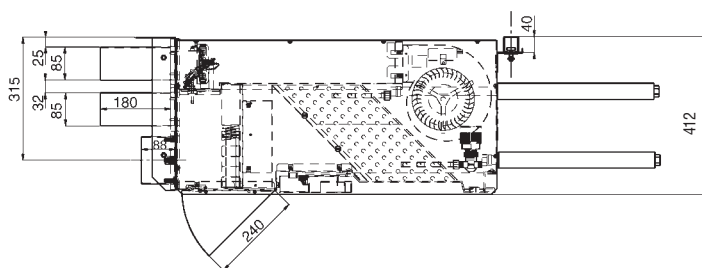
42GM		Size 1 (2 pipes)	Size 1 (4 pipes)
Power supply	V-ph-Hz	230-1-50	230-1-50
Fan			
Air flow	l/s (m <sup>3</sup> /h)	98 (355)	98 (355)
Pressure drop	Pa	320	320
Cooling mode			
Total cooling capacity*	kW	2.80	2.44
Sensible cooling capacity*	kW	1.99	1.84
Water flow rate	l/s (l/h)	0.13 (482)	0.12 (420)
Water pressure drop	kPa	65 (with 2-way valve)	47 (with 2-way valve)
4-pipe heating mode			
Heating capacity*	kW	-	2.27
Water flow rate	l/s	-	0.06 (199)
Water pressure drop	kPa	-	10
Electric heater			
Low-capacity heating	W	470	-
High-capacity heating	W	1750	-
Sound levels			
Sound power level	dB(A)	70	70
Sound pressure level**	dB(A)	49	49
NR value		45	45
Electrical data			
Power input	W	174	174
Current draw	A	0.81	0.81
Dimensions			
Coil inlet/outlet diameters	in	1/2 gas	1/2 gas
Length	mm	1202	1202
Height	mm	412	412
Depth	mm	300	300
Weight	kg	30	30

\* Based on standard Eurovent conditions:  
 Cooling 27°C db/19°C wb air temperature, 7°C/12°C entering/leaving water temperature  
 2-pipe heating: 20°C air temperature, 50°C entering water temperature, same water flow rate as in cooling  
 4-pipe heating: 20°C air temperature, 70°C/60°C entering/leaving water temperature

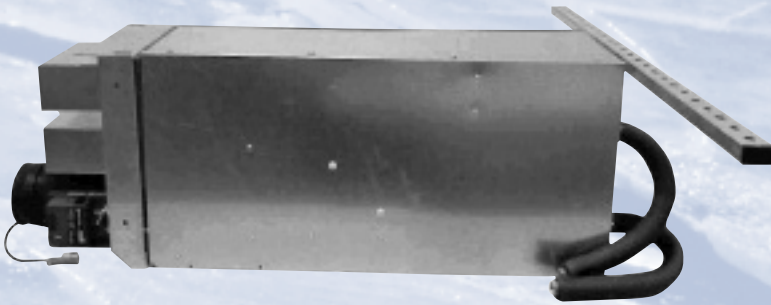
\*\* Sound pressure levels are based on a hypothetical acoustic attenuation for the room and the system (diffuser, ductwork, ceiling) of -21 dB(A) for a 2-pipe system

### Dimensions

42GM with front fastening support with constant-flow fresh air



35BD/SR linear diffuser (supply and return air)



## FEATURES

- One size with two-pipe plus electric heater or four-pipe coils, with an air flow of 100 l/s, a cooling capacity range from 2.4 to 2.8 kW and a heating capacity of 2.3 kW.
- Decentralised compact ducted chilled-water fan coil system, designed for installation in plant rooms. This allows centralised service and maintenance.
- Reliable and efficient heating and cooling for office blocks and institutional buildings.
- High efficiency EU6 filter
- Extremely low sound level
- Variable-speed fan motor, offering a choice of speeds to suit the project
- High-pressure centrifugal fans, compatible with air distribution systems up to 300 Pa
- Compatible with the 35BD/SR air diffuser range
- Safe factory-installed electric heater for single or two-stage hot water heating
- Available with demand control ventilation (DCV) and CO<sub>2</sub> sensor
- Can be equipped with a UV-PCO IAQ module
- Low hydraulic pressure drop with a valve mounted, compatible with all chiller pump kits
- Quick installation with factory-installed options (controls, valves)

## STANDARD CONTROLS

NTC communicating controller



- Network communication
- Aquasmart Evolution system compatible
- IAQ and DCV management
- Motorised blinds and lighting control

## OPTIONS/ACCESSORIES

- Customised product on request