

Sustainable Comfort

GENTRY™ Series

Universal Type Fan Coil Unit

FC-G

340~2380m³/h



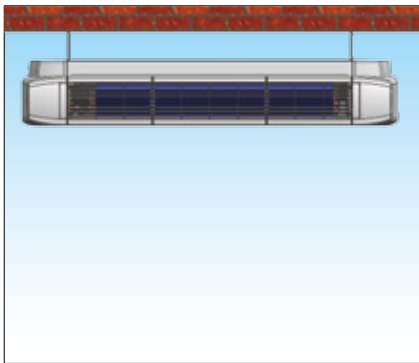
 **CLIMAVENETA**

Universal Type Fan Coil Unit

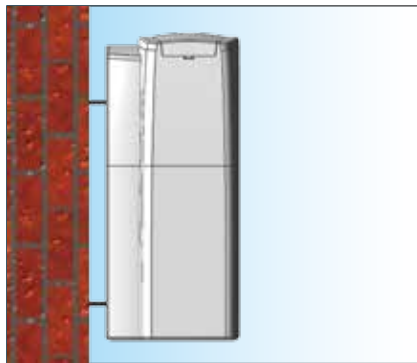
Product Overview

FC-G series universal type fan coil unit is a high-quality product developed on the basis of CLIMANENETA ITALY original technology. Thanks to its incredible appearance design, it is applicable to central air condition system with great installation flexibility, such as ceiling suspended, wall hanged and floor mounted, which makes it an optimal option of exposed products.

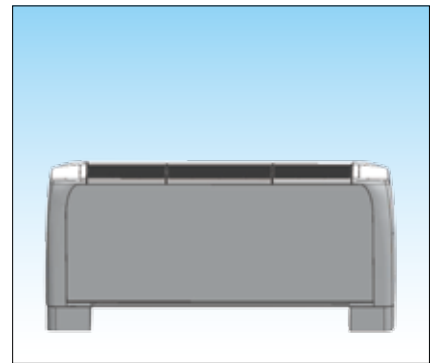
Product line of 9 models. Air flow: 340~2380 m³/h. Cooling capacity: 2.15~12.69 kW.



Ceiling Suspended



Wall Hanged



Floor Mounted

Product Features

Attractive Appearance

This series adopts the brand-new model appearance design of ABS material curved-edge shell.

High Heat-exchange Efficiency

The coils are made of high quality copper tubes ($\Phi 9.52\text{mm}$) and louver hydrophilic aluminium fins. All tubes and fins are expanded by advanced manufacturing process with perfect contact. Combined with large air flow while low noise fan, the unit has the most excellent heat transfer performance.

Low Noise

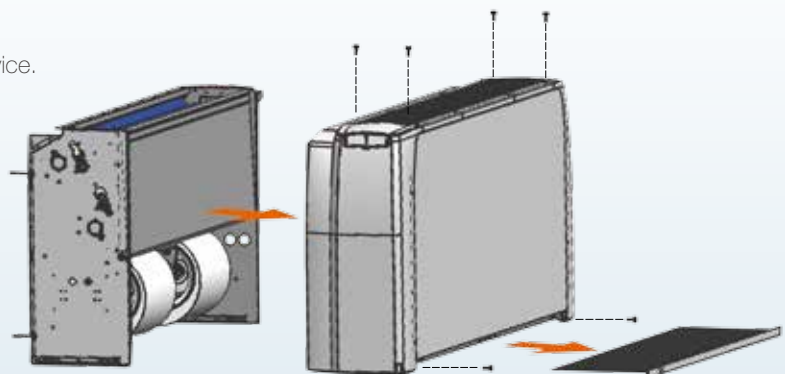
The unit is designed with lower coil face velocity and optimized internal structure, which enables lower unit internal air resistance, as a result of low noise.

Good Flexibility

The unit is suitable for various site conditions and able to be controlled by thermostat.

Simple Installation and Maintenance

The casing of the unit can be easily dismantled for service.

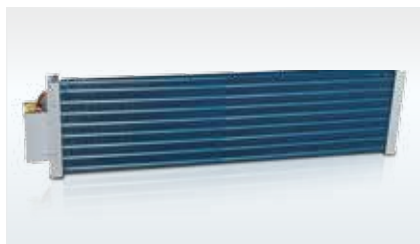


Structure Characteristics



Casing

The casing is manufactured by color steel or galvanized steel with extruded treated. The exterior frame is connected by ABS angle bead through bending and buttoning. The top of exterior frame is equipped with ABS outlet, which can switch the air supply direction when installation.



Coil

The coils are made of high quality copper tubes ($\Phi 9.52\text{mm}$) and louver hydrophilic aluminium fins. All tubes are tightly expanded to fins. The headers are made of copper with ideal performance of water flow configuration. The coils have been optimized to decrease coil face velocity, which effectively reduce the internal resistance.



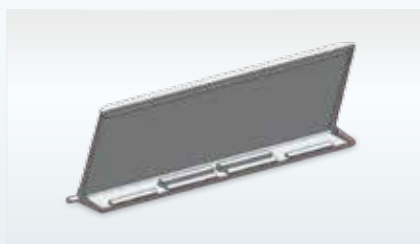
Fan

Fans shall be equipped with high-efficient and low-noise DIDW centrifugal fan wheels manufactured by galvanized steel with excellent static and dynamical balance capacity. And the main panel and side panels are well insulated to prevent leakage and vibration.



Motor

Capacitor motor is adopted with low-noise, total-hermetic and free-lubricated scroll bearing. The rubber pads between the unit and the foundation shall be fixed to insulate the vibration and reduce the noise.

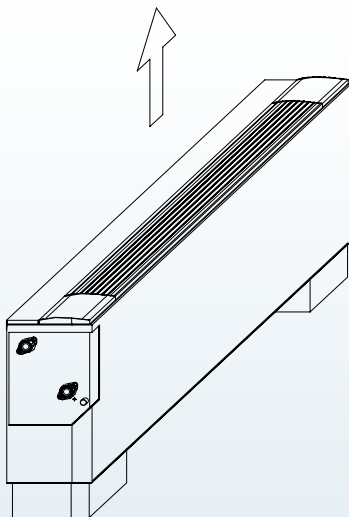
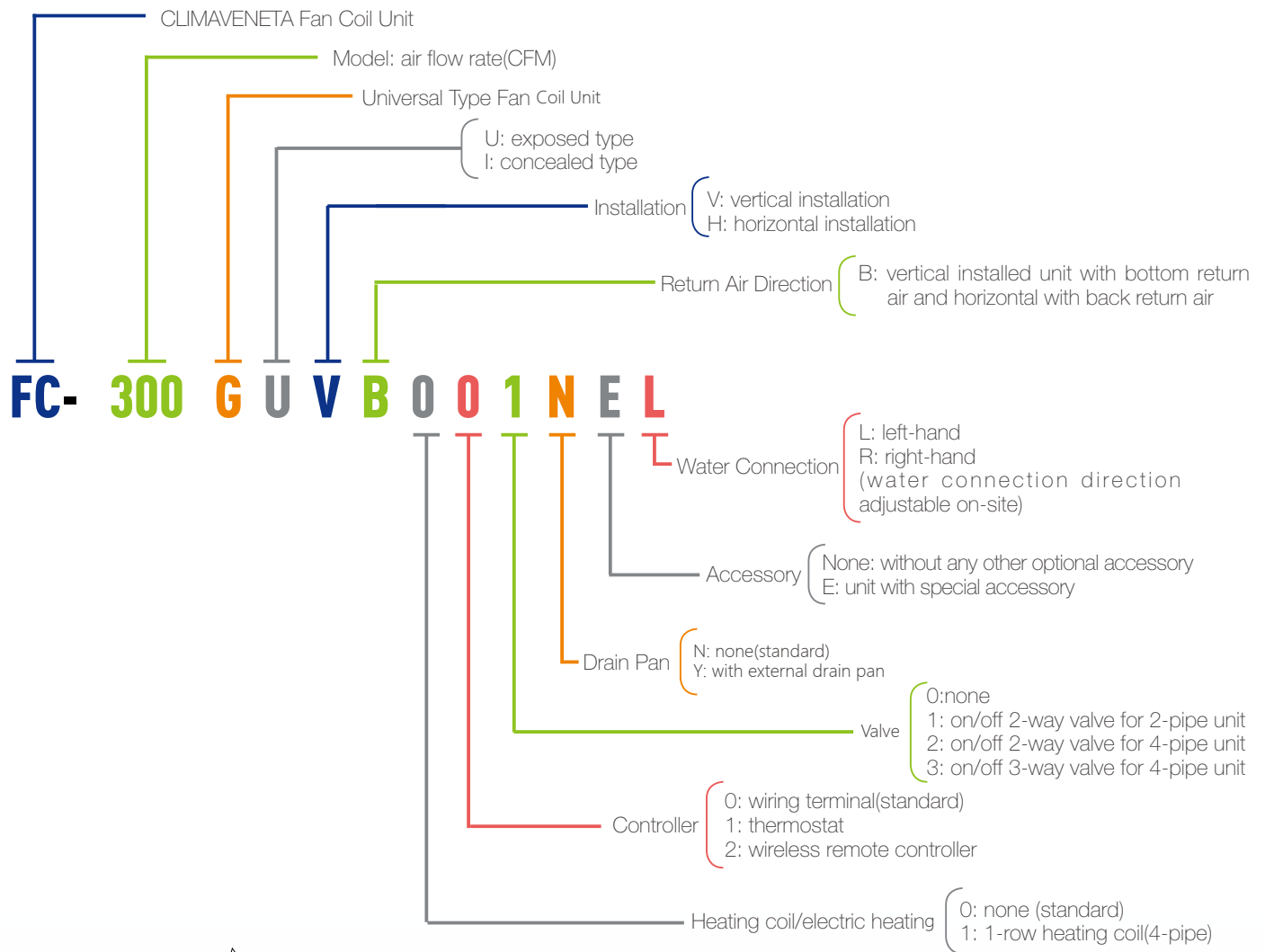


Drain Pan

The use of L-type plastic drain pan guarantees smoothly drain under any installation condition.

Universal Type Fan Coil Unit

Model Nomenclature



Note:

1. The left-hand water connection type is defined by the cooling water in coils coming from the left side while standing in front of the air-inlet side. The right-hand type is defined on the contrary. As in the diagram, the left-hand water connection configuration is shown.
2. For the universal type fan coil units, the foundation braces are fixed in the vertical installation only.

Technical Data

3-row fan coil unit (2 pipes)

Model		200	300	400	500	600	800	1000	1200	1400
Nominal Air Flow (m³/h)	High	340	510	680	850	1020	1360	1700	2040	2380
	Medium	270	400	540	670	810	1080	1360	1630	1900
	Low	200	300	400	510	610	810	1000	1220	1430
Capacity	Cooling (kW)	2.15	3.13	3.92	4.75	5.63	7.25	9.29	11.16	12.69
	Heating(kW)	3.5	4.8	6.68	8.03	9.39	13	15.92	19	20.52
	Water Flow(m³/h)	6.2	9	11.2	13.6	16.1	20.8	26.6	32	36.4
	Water Pressure Drop(kPa)	12	23	16	24	30	25	19	30	40
Noise Level dB(A)		37	39	41	43	45	46	48	50	52
Input Power(w)		35	48	61	75	94	134	152	189	226
Heat Exchanger	Structure	High quality copper tubes (Φ9.52mm) with louver hydrophilic aluminium fins								
	Water Pipe	DN20 FPT (RC3/4)								
	Drain Pipe	DN20 MPT (RC3/4)								
	Working Pressure	1.6MPa								
Fan	Type	DIDW centrifugal fan								
	Quantity	1	2				4			
Motor	Type	3-speed capacitor motors								
	Bearing	High precision bearing								
	Power Supply	220V-1ph-50Hz								
	Quantity	1					2			
	Insulation Class	B								
	Running Current(A)	0.16	0.22	0.28	0.34	0.43	0.61	0.69	0.86	1.03
Net Weight(kg)		18	20.6	22.2	24.5	26	35	38.5	43	45.7

Note:

1. Nominal air flow is the air flow of concealed type unit when ESP 12Pa and exposed type unit when ESP 0 Pa.
2. Cooling Condition: air inlet 27°C DB/19.5°C WB, water inlet:7°C, water ΔT :5°C.
3. Heating Condition: air inlet 20°C DB, water inlet:60°C, water flow same with cooling condition.

Universal Type Fan Coil Unit

Technical Data

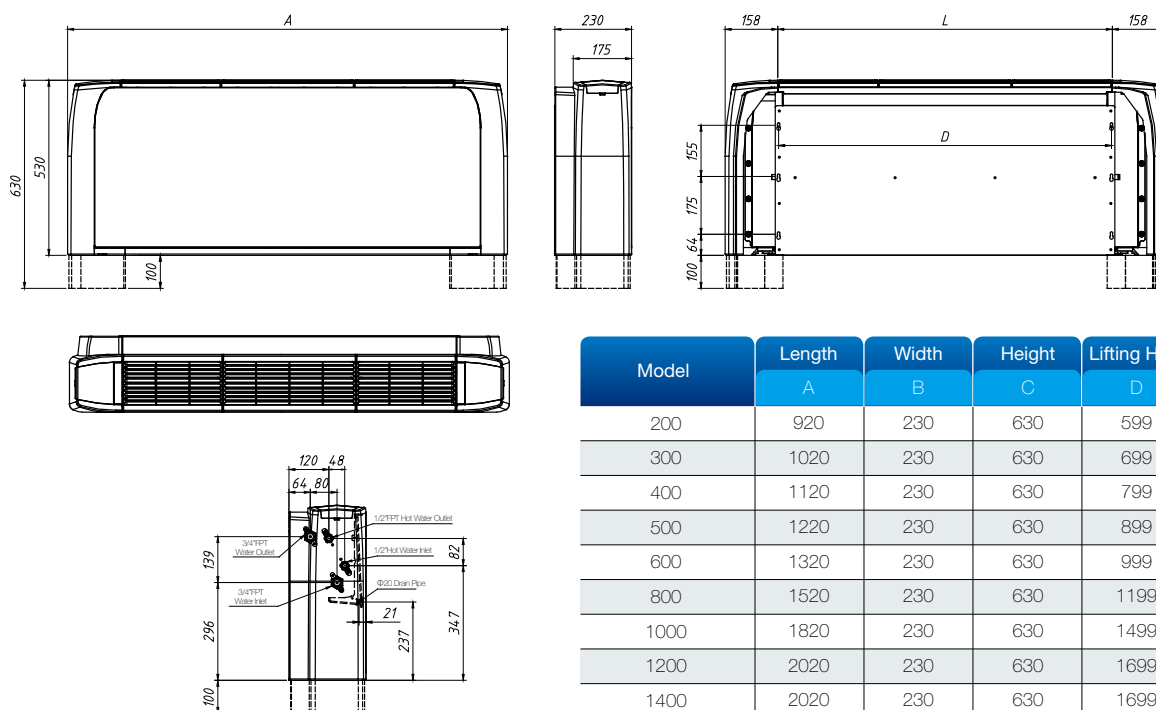
3+1-row fan coil unit (4 pipes)

Model			200	300	400	500	600	800	1000	1200	1400
Nominal Air Flow (m³/h)	High		320	490	650	810	980	1310	1630	1980	2300
	Medium		250	380	520	640	780	1040	1300	1570	1840
	Low		190	290	380	490	590	780	960	1180	1380
Capacity	Cooling (kW)		2.15	3.13	3.92	4.75	5.63	7.25	9.29	11.16	12.69
	Heating(kW)		1.88	2.75	3.57	4.25	5.41	6.45	8.62	10.5	12.1
	Water Flow (m³/h)	Cooling	0.354	0.534	0.672	0.792	0.948	1.248	1.548	1.878	2.118
		Heating	0.162	0.234	0.306	0.366	0.468	0.552	0.744	0.906	1.044
	Water Pressure Drop(kPa)	Cooling	12	23	16	24	30	25	19	30	40
		Heating	8	11	21	28	52	18	33	38	46
Noise Level dB(A)			37	39	41	43	45	46	48	50	52
Input Power(w)			35	48	61	75	94	134	152	189	226
Heat Exchanger	Structure		High quality copper tubes (Φ9.52mm) with louver hydrophilic aluminium fins								
	Water Pipe		Chilled water: DN20 FPT (RC3/4) Hot water: DN15 FPT (RC1/2)								
	Drain Pipe		DN20 MPT (RC3/4)								
	Working Pressure		1.6MPa								
Fan	Type		DIDW centrifugal fan								
	Quantity		1	2				4			
Motor	Type		3-speed capacitor motors								
	Bearing		High precision bearing								
	Power Supply		220V-1ph-50Hz								
	Quantity		1					2			
	Insulation Class		B								
	Running Current(A)		0.16	0.22	0.28	0.34	0.43	0.61	0.69	0.86	1.03
Net Weight(kg)			18.9	21.6	23.3	25.6	27.2	36.4	40.1	44.7	47.5

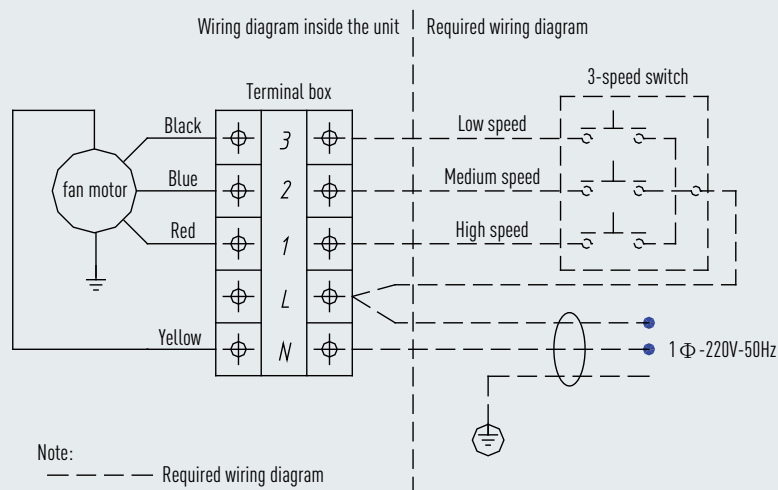
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Dimension



Wiring Diagram





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