



Features

- It is a compact unit only 298mm in height. The four suspension brackets of the unit adopt the T shape opening, it can be installed up and fixed easily.
- Four-way air distribution gives individual comfort while for localized control each diffuser may be adjusted or even shut down completely.
- The unique design of centrifugal fan ensures the quiet running of the unit. This thoroughly eliminates the bothering throttle noise inside the room.
- High-performance condensate drain pump encased in a special sound-insulating material removes condensate quietly and fast.
- Return air enters the cassette unit through a large grille, cleaned by an easily removable, washable filter, and then keep the room air fresh through constant circulation.
- The Special design of the diffuser ensures rapid blending of the supply and room air. Conditioned air is directed along the ceiling then evenly distributed throughout the room.
- A Large LCD screen thermostat is optional.

Motor and Fan

- Optimized designed centrifugal fan design for 42GWC
- High efficiency
- Quite running with anti-vibration pads of motor

Coil

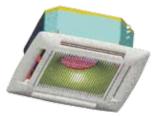
Optimized designed 7 mm coil.

- "L" coil design
- Lanced fin design

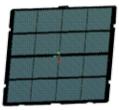


Air return grille and filter

- The filter inside the air return grille can be easily removed and washed, And keeps the room air fresh through constant circulation.
- The front panel and grille of the unit are designed with stylish appearance makes it suitable to match various room decorations.







Condensate drain pump

- High performance condensate drain pump inbuilt the unit, and enwrapped with special designed insulation material.
- Drain out the condensate water quietly.
- To avoid the leakage of the condensate water, it's recommended to install the two- way valve or three-way valve in the water system.





Thermostat

Three-way Electric control valve

Two-way Electric control valve

loc	odel number Nomenclature															
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Air Flow

660~1750m³/h

Technical Parameter

Model			003	004	005	006	008	010
	(Н)		660	700	850	1100	1300	1750
Nominal Air Volume	(м)	m³/h	450	490	600	770	910	1220
	(L)		360	310	470	550	550	700
Cooling Caparity		kW	2.4	4_0	4_7	5.9	8.3	11
Heating Capacity		kW	4.5	6.5	7.7	9.9	12.5	16.9
Power Input		W	55	65	95	97	135	197
Noise		dB(A)	39/33/29	42/36/31	49/41/34	39/31/25	48/40/25	52/46/33
Water Flow		L/S	0 <u>.</u> 11	0.19	0.24	0.28	0.39	0.52
Water Drop		kPa	12	15	23	21	28	42
Coil Rows			2	2	2	2	3	3
Connection Diameter		inch	3/4	3/4	3/4	1	1	1
Dimensions, girlle		mm	720 × 720	720 × 720	720 × 720	960 × 960	960 × 960	960 × 960
Dimensions, unit		mm	575 × 575 × 298	$575 \times 575 \times 298$	$575 \times 575 \times 298$	$825\times825\times298$	825 × 825 × 298	825 × 825 × 298
Weight, grille		kg	2.5	2.5	2.5	5	5	5
Weight, unit	t	kg	19	20	20	36	38	38

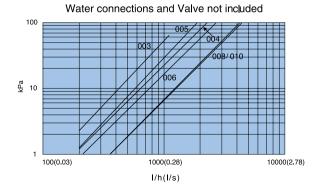
Note: Cooling Conditions: 27°C DB/19.5°C WB entering air temperature, 7°C entering water and 5°C temperature rise. Heating Conditions: 21°C entering air temperature, 60°C entering water temperature, the same water flow as the cooling conditions.

Operating Limits

Water Circuit	Water Circuit	Water Circuit
Maximum water-side pressure 1400kPa	Maximum temperature 5 °C	Nominal single-phase vohage 220V,50Hz
Minimum entering water temperature 4 °C	Maximum temperature $32 ^{\circ}{ m C}$	Operating voltage limits 198~264V
Maximum entering water temperature 80 °C		

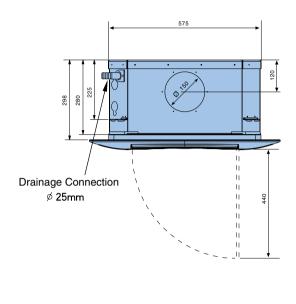
If the room temperature can go down to 0°C, it is advisable to empty the water circuit to avoid damage caused by ice.

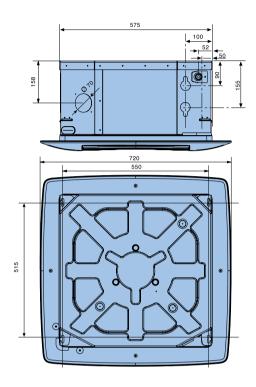
Water Pressure Drop



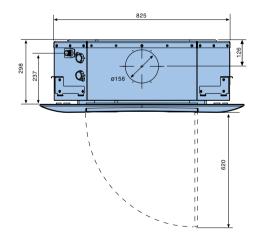
Valve assembly Kit

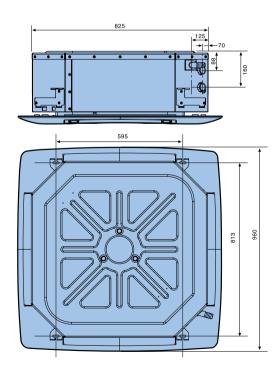
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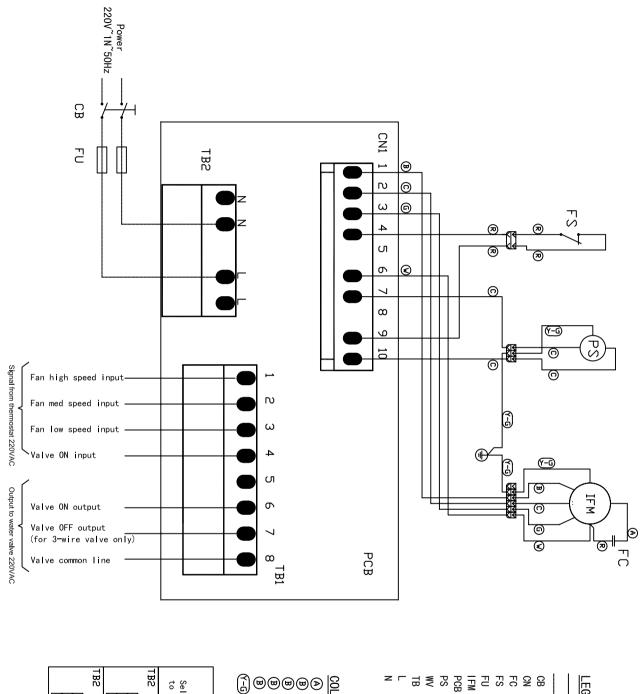




42GWC006-008-010







Factory wiring

LEGEND:

- Field wiring
- Circuit break(user option)
- Connector
- Fan capacitor Float switch

- Fuse(user option)
- Fan motor
- Printed circuit board
- Drain pump Motorized valve(User option) Terminal block

- Neutral line Live line
- White Red Blue Black Brown Yellow-Green
- TB2 TB2 VALVE CONNECTION Select diagram according to the water valve type $\overline{0}$ ф ŝ 3-wire val 2-wire valve

Carrier Corporation identified six specific areas of concentration that directly impact how we, as a world manufacturer, balance our curtomer' needs for comfort with the environment's needs for responsible consumption.



