

# Performance Summary for 42GW

Project: 42GW  
Prepared By:

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## 42GW Cassette Fan Coil with Multi Speed Motor

**System Operation:** 2 Pipe Changeover - **System Fluid:** 2 Flows

### Selection Conditions 42GW600C-----

#### Cooling Mode

Room Air Temperature (db):..... **27,0** °C  
Room Air Relative Humidity:..... **50,0** %  
Entering Fluid Temperature:..... **7,0** °C  
Fluid Delta T:..... **5,0** °K  
Fluid Type:..... **Water**

#### Heating Mode

Room Air Temperature (db):..... **20,0** °C  
Room Air Relative Humidity:..... **50,0** %  
Entering Fluid Temperature:..... **80,0** °C  
Fluid Delta T:..... **20,0** °K  
Fluid Type:..... **Water**

### Sound Attenuation

Room Attenuations:..... **9,00** dB

### Performance 42GW600C-----

Fan Speed		High Speed	Medium Speed	Low Speed
Multi Speed units		R1	R2	R3
Air Flow Rate	m3/h	1159	824	500
<b>Cooling Mode</b>				
Total Capacity	kW	7,72	5,89	3,99
Sensible Capacity	kW	5,37	4,05	2,68
Supply Air Temperature	°C	12,8	12,0	10,7
Fluid Flow Rate	m3/h	1,34	1,02	0,69
Fluid Pressure Drop	kPa	13,8	8,4	4,4
<b>FCEER</b>		<b>C</b>		
<b>Heating Mode (water coil)</b>				
Total Capacity	kW	18,88	13,97	8,59
Supply Air Temperature	°C	68,3	70,3	70,9
Fluid Flow Rate	m3/h	0,83	0,62	0,38
Fluid Pressure Drop	kPa	5,5	3,7	2,0
<b>FCCOP</b>		<b>C</b>		
<b>Electric Motor Consumption</b>	W	88	61	34
<b>Noise Level</b>				
Lw : Sound power level	dB(A)	54	46	38
Lp: Sound pressure level	dB(A)	45	37	29
NR Level		39	32	22
<b>Dimensions (HxWxD)</b>	mm	<b>302x822x879</b>		

**Note:** Sound Power Levels according to ISO 3741. Sound pressure level, NR and NC are based upon hypothetical acoustic attenuation for the room and air diffusion sub-system. The accuracy of the above data is +/-2dB(A). All dimensions include Water valve factory fitted as maximum unit dimensions, for installation safety.

If the product is supplied without a Carrier control device, verification of EMC conformity is the responsibility of the installer or control integrator.



CARRIER participates in the ECP program for Fan Coil Units (Ducted and non Ducted). The certified values are : Input voltage for variable speed units only, Air Flow Rate and External Static Pressure for ducted units only, Total cooling Capacity, Sensible Capacity, Total heating capacity, Water Pressure Drop, Electric Motor Consumption, Lw (inlet+radiated) and Lw (outlet) for ducted units, Lw (overall) for non-ducted units.