

## 2. Specifications

Type		Ceiling Concealed Duct - Low Static		
Model Name		Unit	WFA012RG0A	WFA018RG0A
Power Supply		V, Φ, Hz	220-230-240, 1, 50	220-230-240, 1, 50
Running Current by Voltage		A	0.29-0.29-.029	0.31-0.31-0.31
Capacity	Cooling	Condition A	1.3(1,118)	1.8(1,548)
		Condition B	1.1(946)	1.5(1,290)
		Condition C	1.2(1,032)	1.6(1,376)
		Condition D	0.7(602)	0.9(774)
	Heating	Condition A	2.0(1,721)	2.8(2,408)
		Condition B	2.1(1,806)	3.0(2,581)
Water Flow Rate	Cooling	Condition A	4.0	5.6
		Condition B	4.0	5.6
		Condition C	4.0	5.6
		Condition D	2.7	4.0
	Heating	Condition A	6.2	8.5
		Condition B	4.0	5.6
Head Loss	Cooling	Condition A	1.2	3.3
		Condition B	1.2	3.3
		Condition C	1.2	3.3
		Condition D	0.8	2.3
	Heating	Condition A	4.4	8.5
		Condition B	2.0	3.5
Power Input	Nominal	W	8	17
Running Current	Nominal	A	0.29	0.31
Fan	Type	-	Sirocco Fan	Sirocco Fan
	Air Flow Rate(H/M/L)	m <sup>3</sup> /min	5.5/5.0/4.5	8.0/7.0/6.0
	External Static Pressure (Standard mode)	mmAq	0	0
	External Static Pressure (High mode)	mmAq	0	0
Fan Motor	Type	-	BLDC	BLDC
	Drive	-	CW	CW
	Output	W x No.	19x1	19x1
	FLA(Full Load Ampere)	A	0.29	0.31
Dimensions	Net(W x H x D)	mm	700 x 190 x 700	700 x 190 x 700
	Shipping(W x H x D)	mm	842 x 235 x 766	842 x 235 x 766
Weight	Net	kg	17.5	17.5
	Shipping	kg	21.9	21.9
Air Filter	Type	-	Pre Filter	Pre Filter
Temperature Control		-	Microprocessor, Thermostat for cooling and heating	
Sound Absorbing / Thermal Insulation Material		-	Foamed polystyrene	Foamed polystyrene
Protection Device		-	Fuse	Fuse
Water Connecting Pipes	Inlet	-	BSPF G 3/4"(male)	BSPF G 3/4"(male)
	Outlet	-	BSPF G 3/4"(male)	BSPF G 3/4"(male)
Sound Pressure Level	Cooling(H/M/L)	dB(A)	31/30/29	33/32/31
	Heating(H/M/L)	dB(A)	31/30/29	33/32/31
Sound Power Level	Cooling(H/M/L)	dB(A)	38/36/35	46/43/39
	Heating(H/M/L)	dB(A)	38/36/35	46/43/39
Connecting Cable	Communication Cable(VCTF-SB)	mm <sup>2</sup> ×cores	1.0 ~ 1.5	1.0 ~ 1.5

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
- Performances are based on the following conditions :
  - Cooling
    - Condition A : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19°CWB
    - Condition B : Inlet/Outlet Water Temp. 10°C / 15°C, Indoor Air Temp. 27°CDB / 19°CWB
    - Condition C : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 25°CDB / 17.9°CWB
    - Condition D : Inlet/Outlet Water Temp. 14°C / 18°C, Indoor Air Temp. 26°CDB / 18°CWB
  - Heating
    - Condition A : Inlet/Outlet Water Temp. 45°C / 40°C, Indoor Air Temp. 20°CDB / 15°CWB
    - Condition B : Inlet Water Temp. 50°C, Indoor Air Temp. 20°CDB / 15°CWB
- Capacity, power consumption, etc. may vary depending on the product installation conditions (temperature, conditions of use).
- Main power line should be shorter than 50m. When installing a power line longer than 50m, contact LG Electronics.
- Water connecting pipes are in accordance with the DIN-EN-ISO 228-1 standard.