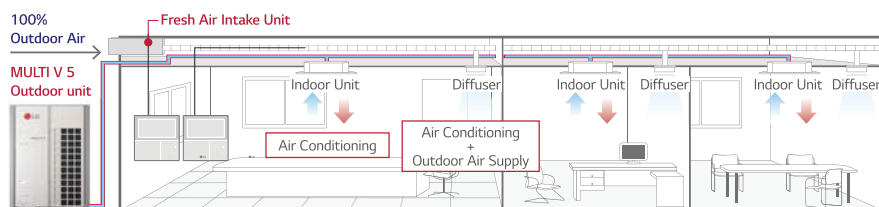


# FRESH AIR INTAKE UNIT

## Fresh Outdoor Air Supply

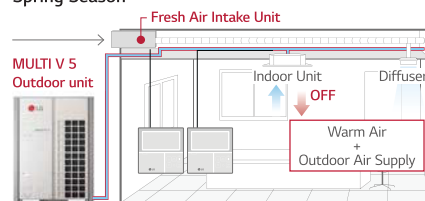
The LG Fresh Air Intake Unit (FAU) is the alternative solution for ventilation, which supplies the fresh outdoor air indoors as well as being able to cool and heat air inside simultaneously. It means the indoor space can have positive air pressure consistently, which can block cold, hot or contaminated air from outside.



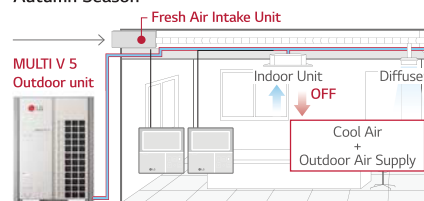
## Economic Operation

Using the free cooling and heating can save costs by blowing the natural outdoor air inside when the season change.

### Spring Season



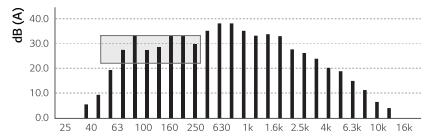
### Autumn Season



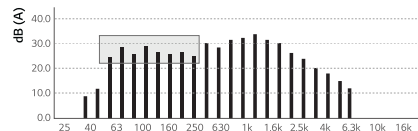
## BLDC Fan Motor

It can reduce a noise at low frequencies.

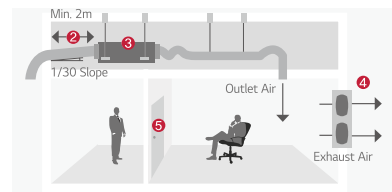
### AC Tap Motor



### BLDC motor



## Installation Scene



- ① Inlet Hood
- ② Intake Air Duct
- ③ Fresh Air Intake Unit
- ④ Exhaust Fan
- ⑤ Door

ARNU76GB8Z4 / ARNU96GB8Z4



Model	Unit	ARNU76GB8Z4	ARNU96GB8Z4
Cooling Capacity	kW	22.4	28.0
Heating Capacity	kW	21.4	26.7
Power Input (H / M / L)	Nominal W	230 / 200 / 200	360 / 230 / 230
Dimensions (W x H x D)	Body mm	1,562 x 460 x 688	1,562 x 460 x 688
	Shipping mm	1,806 x 537 x 825	1,806 x 537 x 825
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W x No.	375 x 1
	Air Flow Rate (H / M / L) (High Mode-Factory Set)	m³/min	23.7 / 13.2 / 13.2
	External static pressure	mmAq (Pa)	22(216)
	Motor type	BLDC	BLDC
Air Filter		Long Life Filter	Long Life Filter
Pipe Connections	Liquid Side	mm(inch)	Ø9.52(3/8)
	Gas Side	mm(inch)	Ø19.05(3/4)
	Drain Pipe (Internal Dia.)	mm(inch)	Ø25 (1)
Weight	Body	kg	73.0
Sound Pressure Levels (H / M / L)		dB(A)	45 / 43 / 43
Sound Power Levels (H / M / L)		dB(A)	70 / 67 / 67
Power Supply	Ø, V, Hz	1, 220, 60	1, 220, 60
Communication Cable	mm² x No.	1.0-1.5 x 2C	1.0-1.5 x 2C

1) Nominal : Performance tested under EN14511

2) Rated : Max power input allowed for fan motor

Note : 1. Capacities are based on the following conditions

- Cooling : Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero

- Heating : Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

2. Capacities are net capacities

3. Noise Level is under standard mode [For actual High Mode (Factory set) condition, Noise Level may exceed the standard level by 1.5db (A)]

4. Due to our policy of innovation some specifications may be changed without prior notification.

5. ID : Internal Diameter

## CAUTION

1. Operation range (Cooling : 5°C ~ 43°C, Heating : -5°C ~ 43°C) 2. Installation of exhaust fan is recommended for a sealed room. 3. Indoor Unit Connection

No	Connection Condition	Combination
1	Fresh air intake units only are connected with outdoor units	1) The total capacity of fresh air intake unit should be 50 ~ 100% of outdoor unit. 2) The max quantity of fresh air intake is 4 units.
2	Mixture connection with general indoor unit and fresh intake units	1) The total capacity of indoor units (Standard Indoor Unit + Fresh Air Intake Unit) should be 50 ~ 100% of outdoor unit. 2) The total capacity of fresh air intake unit should be less than 30% of the total capacity of indoor units.

## Accessories

Chassis	ARNU76GB8Z4	ARNU96GB8Z4
Drain Pump		○
Cassette Cover		-
Refrigerant Leakage Detector		PRLDNVS0
EEV Kit		-
Independent Power Module		PRIP0
Robot Cleaner		-
Pre Filter (washable / anti-fungus)		○
Ion Generator		-
CO <sub>2</sub> Sensor		-
Ventilation Kit		-
IR Receiver		PWLRVNO00
Zone Controller		-
Dry Contact (with additional accessory)		PDRYCB000 (1 point contact) PDRYCB300 (8 points for thermostat compatible) PDRYCB400 (2 points input) PDRYCB500 (Modbus)
External Input (1 point)		○
Wi-Fi		PWFMD0200

※ ○ : Applied, - : Not applied

Option : Refer to model name in table