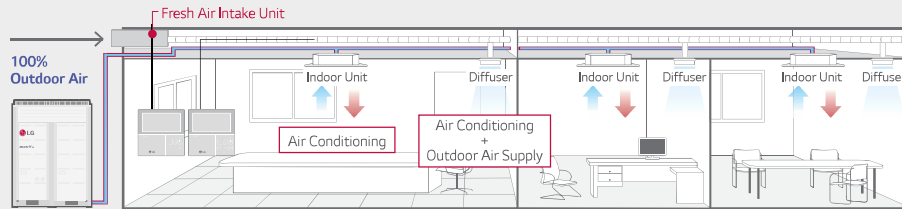


# FRESH AIR INTAKE UNIT

## 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.

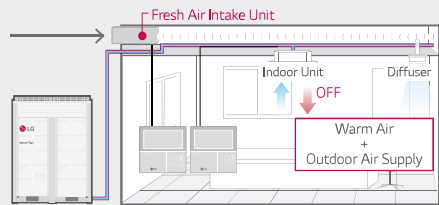


MULTI V IV Outdoor unit

## Economic Operation

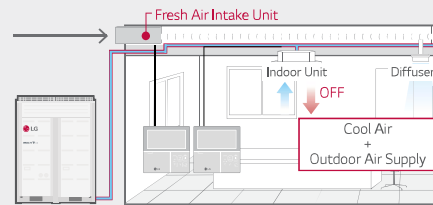
Using the free cooling and heating can save costs by blowing the natural outdoor air inside when the season change.

### Spring Season



MULTI V IV Outdoor unit

### Autumn Season

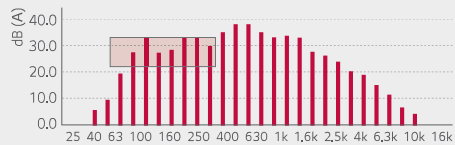


MULTI V IV Outdoor unit

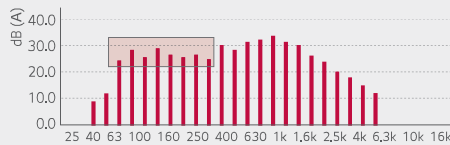
## BLDC Fan Motor

It can reduce a noise at low frequencies.

### AC Tap Motor



### BLDC motor



# FRESH AIR INTAKE UNIT

ARNU48GBRZ4 / ARNU76GBZ4 / ARNU96GBZ4



Model	Independent Unit		ARNU48G Z4		ARNU76G Z4		ARNU96G Z4	
	Nom	kW						
Capacity	Cooling	Nom	14.1		22.4		28.0	
	Heating	Nom	13.5		21.4		26.7	
Power Input	Cooling / Heating	Nom <sup>1)</sup>	169		253		360	
	Cooling / Heating	Rated <sup>2)</sup>	169		360		360	
Power Supply			Ø / V / Hz		1 / 220-240 / 50		1 / 220-240 / 50	
					1 / 220 / 60		1 / 220 / 60	
Airflow Rate	Cooling	H / M / L	18.8 / 14.7 / 14.7		23.7 / 13.2 / 13.2		35.7 / 23.7 / 23.7	
	Heating	H / M / L	18.8 / 14.7 / 14.7		23.7 / 13.2 / 13.2		35.7 / 23.7 / 23.7	
Sound Pressure	Cooling	H / M / L	41 / 40 / 38		45 / 43 / 43		47 / 45 / 45	
	Heating	H / M / L	41 / 40 / 38		45 / 43 / 43		47 / 45 / 45	
Sound Power	Cooling	H / M / L	62 / 63 / 62		70 / 67 / 67		73 / 68 / 68	
	Heating	H / M / L	62 / 63 / 62		70 / 67 / 67		73 / 68 / 68	
Dimensions	Body		W x H x D		mm		mm	
					1,230 x 380 x 590		1,562 x 460 x 688	
Net Weight	Liquid		kg		45.0		73.0	
	Gas		mm		9.52		9.52	
Piping Connection	Gas		mm		15.88		19.05	
	Drain		mm		25.0		25.0	

\* This product contains Fluorinated Greenhouse Gases, (R410A)

1) Nom. 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

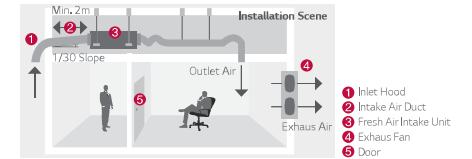
- Heating: Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

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. I.D.: 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

Model	ARNU48G Z4	ARNU76G Z4	ARNU96G Z4
Simple (1 Contact point with case)		PDRYCB000	
Dry Contact		PDRYCB400	
For Thermostat (On-Off / Mode / Fan speed)		PDRYCB300	
Modbus Communication		PDRYCB500	
IR Receiver		PWLRVN000	

### Wired Remote Controller

Premium	Standard II	Simple	Simple for Hotel	Wireless Remote Controller
PREMTA000 PREMTA000A PREMTA000B	PREMTB001 (White) PREMTB001 (Black)	PQRVCV00Q (Black) PQRVCV00QW (White)	PQRCHCA0Q (Black) PQRCHCA0QW (White)	PQWRHQ2FDB