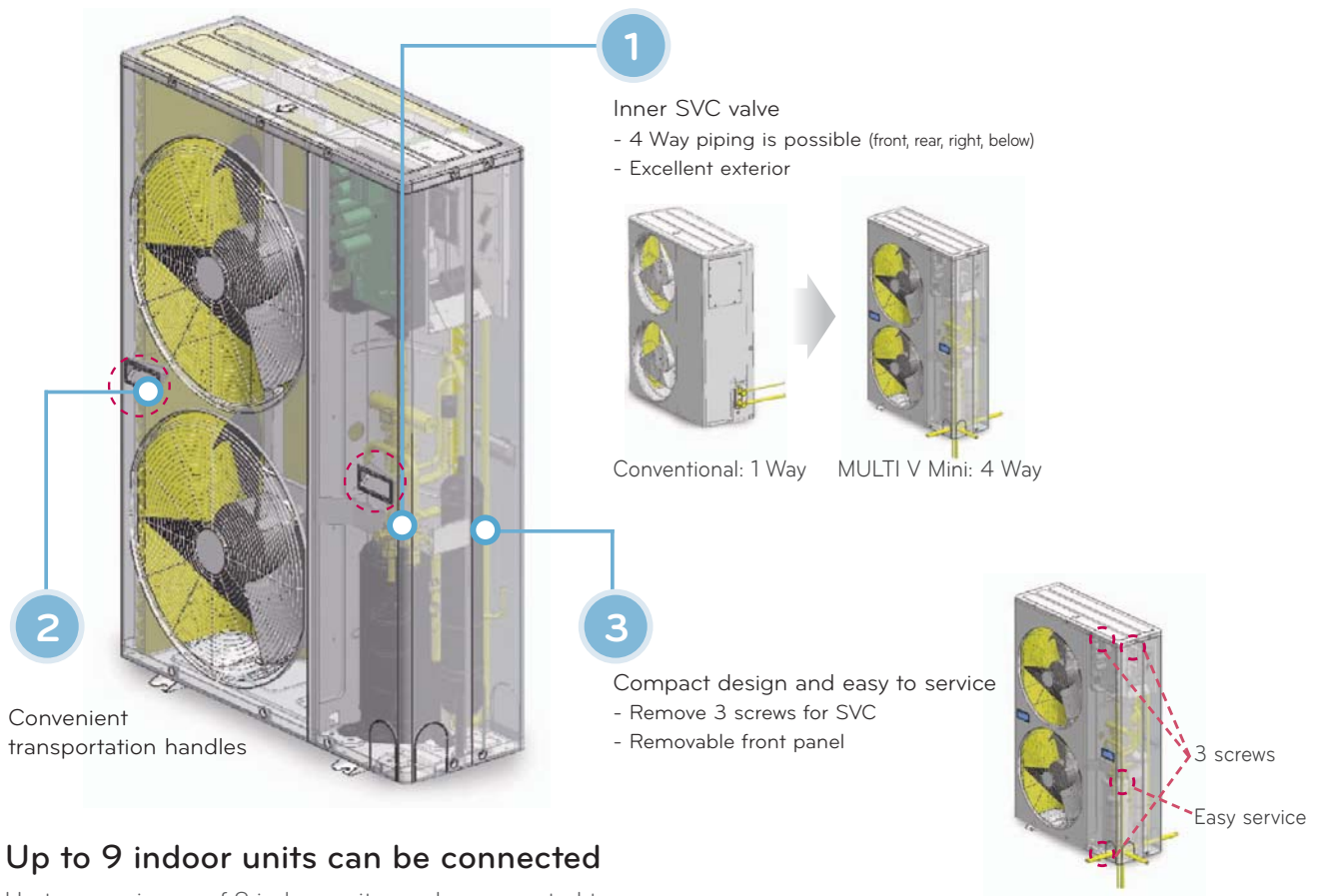


MULTI V MINI can be easily installed in small offices and shops.
Designed for low-noise operation, it creates a pleasant air conditioned environment.

Easy to service



Up to 9 indoor units can be connected

Up to a maximum of 9 indoor units can be connected to one single outdoor unit with 130% indoor unit combination.

- 9 indoor units for 6HP
- 8 indoor units for 5HP
- 6 indoor units for 4HP



*Based on 6 HP model

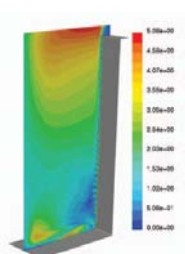
Front inflow and front discharge

- Right and left hand side air flow system
- High speed air discharging (7~8m/sec)
- No interference between each floors
(No efficiency reduction due to hot air back flow)

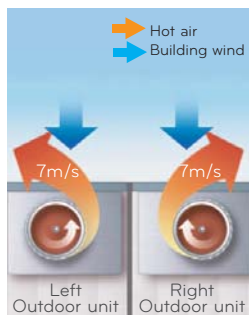
Conventional



Interference
between floors!



MULTI V SPACE II



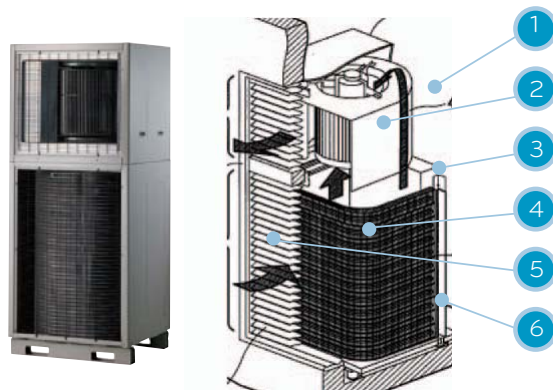
No reduction in efficiency

LG patents for MULTI V SPACE II

The distinctive technologies in the MULTI V SPACE II which make it a unique product have applications for and registered patents both domestically and internationally.

- 1 Whole structure (8 items)
- 2 Air handler structure (18 items)
- 3 Separation of suction and discharge (6 items)
- 4 3-side heat exchange structure (3 items)
- 5 Louver structure / control (20 items)
- 6 Electrical part (2 items)

57 LG patents



Quiet operation

Noise and vibration are reduced by

- Front discharge
- Sealed structure of the outdoor unit

The indoor noise level is maintained at 30~40dBA.

• MULTI V SPACE II



• Conventional



MULTI V SPACE II is ideal for high end living spaces.

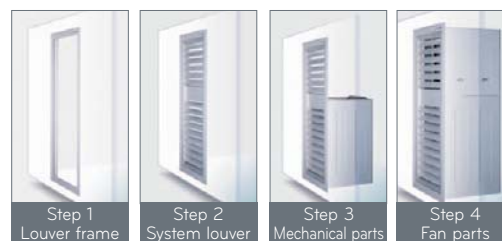
Fan RPM control (E.S.P and noise control)

- Enhanced installation flexibility (duct application)
- No need for a high static pressure exhaust fan and air guide
- Adjustment of capacity and noise level as desired



4-Step modular design

- The modular design of the outdoor unit make installation and maintenance easier.
- The outdoor unit can be installed according to the building construction schedule.
- Louver is provided locally



How to set up

- E.S.P control



Step 1 : $4\text{mmAq} < \text{ESP} \leq 6\text{mmAq}$

Step 2 : $6\text{mmAq} < \text{ESP} \leq 8\text{mmAq}$

Step 3 : $8\text{mmAq} < \text{ESP} \leq 10\text{mmAq}$

Step 4 : $10\text{mmAq} < \text{ESP} \leq 12\text{mmAq}$

- Noise control



Low noise levels
: Max - 100 rpm



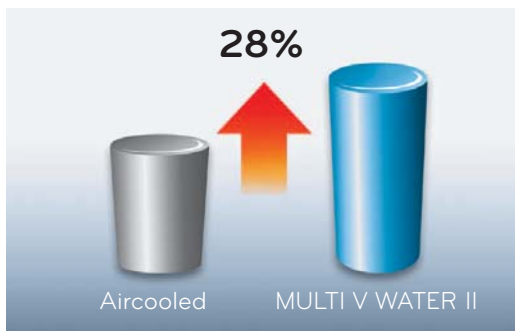
*6HP (ARUN60LR2, ARUN60LL2)

*8HP (ARUN80LR2, ARUN80LL2)

Economic water system

There is no reduction in efficiency from environmental conditions such as a prevailing winds, or harsh outside temperatures. This is a good solution for high-rise buildings.

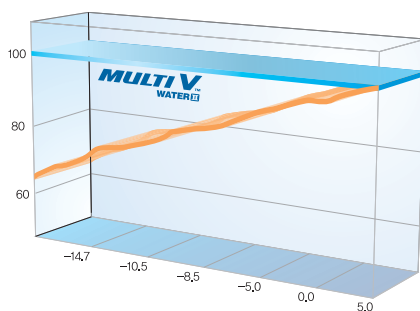
COP



- Highly efficient system regardless of external conditions

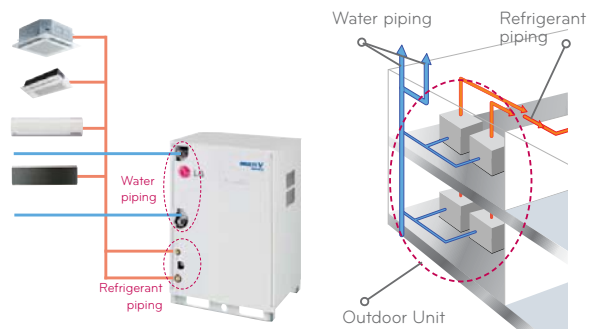


- Optimised control by variable load



Easy installation

- Lightweight and compact dimensions
 - Installation space can be reduced by up to 60% compared to conventional systems
- Simple piping work
 - Refrigerant and water pipe connection at the front of the unit



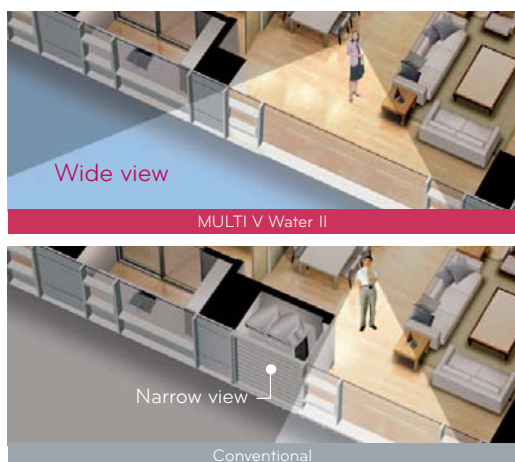
MULTI VTM
WATER II



MULTI V WATER II is an effective system offering great performance regardless of external conditions, such as ambient temperature and prevailing winds in high-rise buildings.

Wider views

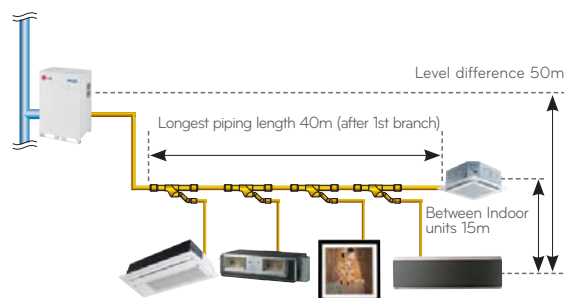
The reduced installation space required for the outdoor unit can mean more usable space.



Longest piping length

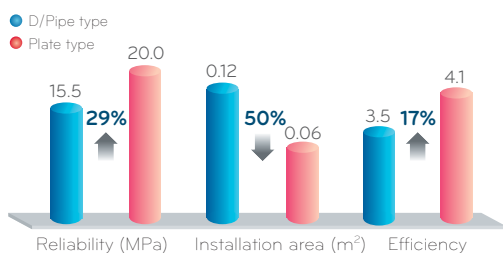
Total piping length up to	300m
Longest piping length up to (Equivalent)	150m (175m)
Longest piping length after 1st branching up to	40m
Level difference between ODU~IDU up to	50m (40m*)
Level difference between IDU~IDU up to	15m

* Outdoor unit is lower than indoor unit.



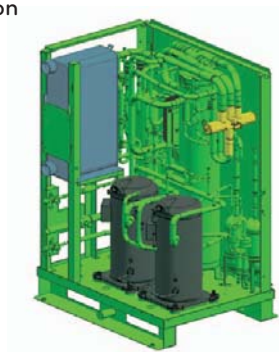
High efficiency and reliability

Comparison between plate type and double pipe type



Compressor back up operation

1. One compressor failure
2. Error code is displayed
3. Back-up by field setting (Dip S/W)
4. Continuous operation

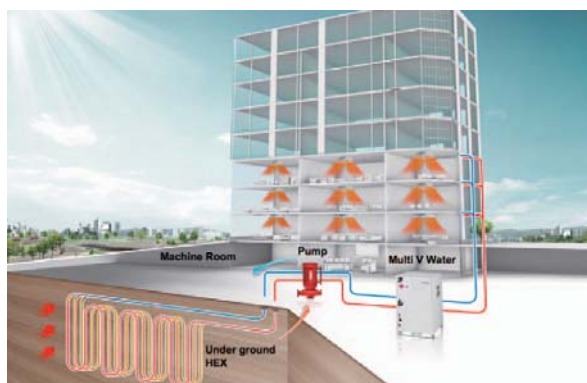


MULTI V Water II system for geothermal applications**

This uses underground heat sources for renewable energy that can cool and heat a building. The heat source can be soil, ground water, a lake or river, etc. Water or an anti-freeze solution is circulated through closed loop High Density Poly-Ethylene pipes buried beneath the earth's surface. It is a highly efficient eco-friendly MULTI-V system providing a green energy solution.

- The working water temperature range is between -5°C ~ 45°C.
- Antifreeze should be applied accordingly to each application.

**This application should only be considered after consultation with your local LG office





HP			8	10	12	14	16	18	20
Model	Combination unit		ARUN80LT3	ARUN100LT3	ARUN120LT3	ARUN140LT3	ARUN160LT3	ARUN180LT3	ARUN200LT3
	Independent unit		ARUN80LT3	ARUN100LT3	ARUN120LT3	ARUN140LT3	ARUN160LT3	ARUN180LT3	ARUN200LT3
Capacity	Cooling	kW	22.4	28.0	33.6	39.2	44.8	50.4	56.0
	Heating	kW	25.2	31.5	37.8	44.1	50.4	56.7	63.0
Power	Cooling	kW	5.25	7.00	8.90	9.50	11.00	12.80	15.00
Input	Heating	kW	5.50	7.25	9.00	9.70	11.50	13.50	15.50
EER	Cooling		4.27	4.00	3.78	4.13	4.07	3.94	3.73
COP	Heating		4.58	4.34	4.20	4.55	4.38	4.20	4.06
Power Supply	Ø, V, Hz		3, 380~415, 50						
Dimensions(WxHxD)	mm		920×1,680×760				1,240×1,680×760		
Weight	kg		190×1	240×1		260×1		315×1	325×1
Colour			Warm Gray, Morning Gray						
Noise level	dBA±3		57	58			61	62	
Fan	Type		Propeller fan						
Compressor	Air flow rate	[CMM]	180	190		210		240	250
	Type		Hermetically Sealed Scroll						
	Number of compressors		1	2				3	
Heat Exchanger			Gold fin						
Refrigerant	Type		R410A						
	Charge	kg	5.0	6.4		7.0		7.5	9
	Control		EEV						
Oil	Type		FVC68D(PVE)						
	Charge	cc	3,500	5,200		5,500		7,200	
Piping	Liquid Pipes	mm(inch)	Ø9.52(3/8)			Ø12.7(1/2)		Ø15.88(5/8)	
Connections	Gas Pipes	mm(inch)	Ø19.05(3/4)	Ø22.2(7/8)		Ø28.58(1 1/8)			
Number of outdoor unit			1						
Number of maximum connectable indoor units *			13(20)	16(25)	20(30)	23(35)	26(40)	29(45)	32(44)
Ratio of the connectable indoor units			50~200%						
Longest piping length / Level difference **			200m/110m						

HP			22	24	26
Model	Combination unit		ARUN220LT3	ARUN240LT3	ARUN260LT3
	Independent unit		ARUN120LT3	ARUN120LT3	ARUN140LT3
			ARUN100LT3	ARUN120LT3	ARUN120LT3
Capacity	Cooling	kW	61.6	67.2	72.8
	Heating	kW	69.3	75.6	81.9
Power	Cooling	kW	15.90	17.80	18.40
Input	Heating	kW	16.25	18.00	18.70
EER	Cooling		3.87	3.78	3.96
COP	Heating		4.26	4.20	4.38
Power Supply	Ø, V, Hz		3, 380~415, 50		
Dimensions(WxHxD)	mm		(920×1,680×760)×2		(920×1,680×760)×1+(1,240×1,680×760)×1
Weight	kg		240 × 2		240 × 1 + 260 × 1
Colour	Warm Gray, Morning Gray				
Noise level	dBA±3		61		
Fan	Type		Propeller fan		
	Air flow rate	[CMM]	380	400	
Compressor	Type		Hermetically Sealed Scroll		
	Number of compressors		4		
Heat Exchanger			Gold fin		
Refrigerant	Type		R410A		
	Charge	kg	12.8		13.4
Oil	Control		EEV		
	Type		FVC68D(PVE)		
Piping	Charge	cc	10,400	10,700	
	Liquid Pipes	mm(inch)	Ø15.88(5/8)		Ø19.05(3/4)
Connections	Gas Pipes	mm(inch)	Ø28.58(1 1/8)	Ø34.9(1 3/8)	
Number of outdoor unit			2		
Number of maximum connectable indoor units *			35(44)	39(48)	42(52)
Ratio of the connectable indoor units			50~160%		
Longest piping length / Level difference **			200m/110m		



HP			28	30	32	34	36	38	40
Model	Combination unit		ARUN280LT3	ARUN300LT3	ARUN320LT3	ARUN340LT3	ARUN360LT3	ARUN380LT3	ARUN400LT3
	Independent unit		ARUN160LT3	ARUN160LT3	ARUN160LT3	ARUN180LT3	ARUN200LT3	ARUN200LT3	ARUN200LT3
			ARUN120LT3	ARUN140LT3	ARUN160LT3	ARUN160LT3	ARUN160LT3	ARUN180LT3	ARUN200LT3
Capacity	Cooling	kW	78.4	84.0	89.6	95.2	100.8	106.4	112.0
	Heating	kW	88.2	94.5	100.8	107.1	113.4	119.7	126.0
Power	Cooling	kW	19.90	20.50	22.00	23.80	26.00	27.80	30.00
Input	Heating	kW	20.50	21.20	23.00	25.00	27.00	29.00	31.00
EER	Cooling		3.94	4.10	4.07	4.00	3.88	3.83	3.73
COP	Heating		4.30	4.46	4.38	4.28	4.20	4.13	4.06
Power Supply	Ø, V, Hz		3, 380-415, 50						
Dimensions(WxHxD)	mm		(920×1,680×760)×1 +(1,240×1,680×760)×1						
Weight	kg		240×1+260×1						
Colour			Warm Gray, Morning Gray						
Noise level	dB(A)±3		61	62.8	63.5			65	
Fan	Type		Propeller fan						
	Air flow rate	[CMM]	400	420	450	460	490	500	
Compressor	Type		Hermetically Sealed Scroll						
	Number of compressors		4						
Heat Exchanger			Gold fin						
Refrigerant	Type		R410A						
	Charge	kg	13.4	14.0	14.5	16.0	16.5	18.0	
	Control		EEV						
Oil	Type		FVC68D(PVE)						
	Charge	cc	10,700	11,000	12,700		14,400		
Piping	Liquid Pipes	mm(inch)	Ø19.05(3/4)						
Connections	Gas Pipes	mm(inch)	Ø34.9(1 3/8)						
Number of outdoor unit			2						
Number of maximum connectable indoor units *			45(56)	49(60)	52(64)	55(64)	58(64)	61(64)	64
Ratio of the connectable indoor units			50-160%						
Longest piping length / Level difference **			200m/110m						

HP			42	44	46	48	50
Model	Combination unit		ARUN420LT3	ARUN440LT3	ARUN460LT3	ARUN480LT3	ARUN500LT3
	Independent unit		ARUN160LT3	ARUN160LT3	ARUN160LT3	ARUN160LT3	ARUN180LT3
			ARUN140LT3	ARUN160LT3	ARUN160LT3	ARUN160LT3	ARUN160LT3
			ARUN120LT3	ARUN120LT3	ARUN140LT3	ARUN160LT3	ARUN160LT3
Capacity	Cooling	kW	117.6	123.2	128.8	134.4	140.0
	Heating	kW	132.3	138.6	144.9	151.2	157.5
Power	Cooling	kW	29.40	30.90	31.50	33.00	34.80
Input	Heating	kW	30.20	32.00	32.70	34.50	36.50
EER	Cooling		4.00	3.99	4.09	4.07	4.02
COP	Heating		4.38	4.33	4.43	4.38	4.32
Power Supply	Ø, V, Hz		3, 380-415, 50				
Dimensions(WxHxD)	mm		(920×1,680×760)+(1,240×1,680×760)×2				
Weight	kg		240×1 + 260×2				
Colour			Warm Gray, Morning Gray				
Noise level	dB(A)±3		62.8	64	64.5		65.4
Fan	Type		Propeller fan				
	Air flow rate	[CMM]	610		630		660
Compressor	Type		Hermetically Sealed Scroll				
	Number of compressors		6				
Heat Exchanger			Gold fin				
Refrigerant	Type		R410A				
	Charge	kg	20.4		21.0		21.5
	Control		EEV				
Oil	Type		FVC68D(PVE)				
	Charge	cc	16,200		16,500		18,200
Piping	Liquid Pipes	mm(inch)	Ø19.05(3/4)				
Connections	Gas Pipes	mm(inch)	Ø41.3(1 5/8)				
Number of outdoor unit			3				
Number of maximum connectable indoor units *			64				
Ratio of the connectable indoor units			50-130%				
Longest piping length / Level difference **			200m/110m				

HP			52	54	56	58	60
Model	Combination unit		ARUN520LT3	ARUN540LT3	ARUN560LT3	ARUN580LT3	ARUN600LT3
	Independent unit		ARUN200LT3	ARUN200LT3	ARUN200LT3	ARUN200LT3	ARUN200LT3
			ARUN160LT3	ARUN200LT3	ARUN200LT3	ARUN200LT3	ARUN200LT3
			ARUN160LT3	ARUN140LT3	ARUN160LT3	ARUN180LT3	ARUN200LT3
Capacity	Cooling	kW	145.6	151.2	156.8	162.4	168.0
	Heating	kW	163.8	170.1	176.4	182.7	189.0
Power	Cooling	kW	37.00	39.50	41.00	42.80	45.00
Input	Heating	kW	38.50	40.70	42.50	44.50	46.50
EER	Cooling		3.94	3.83	3.82	3.79	3.73
COP	Heating		4.25	4.18	4.15	4.11	4.06
Power Supply	Ø, V, Hz		3, 380~415, 50				
Dimensions(WxHxD)	mm		(1,240×1,680×760)×3				
Weight	kg		260×2 + 325×1	260×1 + 325×2		315×1 + 325×2	325 × 3
Colour			Warm Gray, Morning Gray				
Noise level	dBA±3		65.8		66.5	66.8	
Fan	Type		Propeller fan				
	Air flow rate	[CMM]	670	710		740	750
Compressor	Type		Hermetically Sealed Scroll				
	Number of compressors		7	8		9	
Heat Exchanger			Gold fin				
Refrigerant	Type		R410A				
	Charge	kg	23.0	25.0		25.5	27.0
	Control		EEV				
Oil	Type		FVC68D(PVE)				
	Charge	cc	18,200	19,900		21,600	
Piping	Liquid Pipes	mm(inch)	Ø19.05(3/4)				
Connections	Gas Pipes	mm(inch)	Ø41.3(1 5/8)				
Number of outdoor unit			3				
Number of maximum connectable indoor units *			64				
Ratio of the connectable indoor units			50~130%				
Longest piping length / Level difference **			200m/110m				

HP			62	64	66	68	70
Model	Combination unit		ARUN620LT3	ARUN640LT3	ARUN660LT3	ARUN680LT3	ARUN700LT3
	Independent unit		ARUN160LT3	ARUN160LT3	ARUN180LT3	ARUN180LT3	ARUN200LT3
			ARUN160LT3	ARUN160LT3	ARUN160LT3	ARUN180LT3	ARUN180LT3
			ARUN160LT3	ARUN160LT3	ARUN160LT3	ARUN160LT3	ARUN160LT3
Capacity	Cooling	kW	173.6	179.2	184.8	190.4	196.0
	Heating	kW	195.3	201.6	207.9	214.2	220.5
Power	Cooling	kW	42.50	44.00	45.80	47.60	49.80
Input	Heating	kW	44.20	46.00	48.00	50.00	52.00
EER	Cooling		4.08	4.07	4.03	4.00	3.94
COP	Heating		4.42	4.38	4.33	4.28	4.24
Power Supply		Ø, V, Hz	3, 380~415, 50				
Dimensions(WxHxD)		mm	(1,240×1,680×760)×4				
Weight		kg	260×4		260×3 + 315×1	260×2 + 315×2	260×2+315×1+325×1
Colour			Warm Gray, Morning Gray				
Noise level		dBA±3	66.4	67	67.3	67.5	
Fan	Type		Propeller fan				
	Air flow rate	[CMM]	840		870	900	910
Compressor	Type		Hermetically Sealed Scroll				
	Number of compressors		8		9	10	
Heat Exchanger			Gold fin				
Refrigerant	Type		R410A				
	Charge	kg	28.0		28.5	29.0	30.5
Oil	Control		EEV				
	Type		FVC68D(PVE)				
	Charge	cc	22,000		23,700	25,400	
Piping	Liquid Pipes	mm(inch)	Ø22.2(7/8)				
Connections	Gas Pipes	mm(inch)	Ø44.5(1 3/4)			Ø53.98(2 1/8)	
Number of outdoor unit			4				
Number of maximum connectable indoor units *			64				
Ratio of the connectable indoor units			50~130%				
Longest piping length / Level difference **			200m/110m				

HP			72	74	76	78	80
Model	Combination unit		ARUN720LT3	ARUN740LT3	ARUN760LT3	ARUN780LT3	ARUN800LT3
	Independent unit		ARUN200LT3	ARUN200LT3	ARUN200LT3	ARUN200LT3	ARUN200LT3
			ARUN200LT3	ARUN200LT3	ARUN200LT3	ARUN200LT3	ARUN200LT3
			ARUN160LT3	ARUN180LT3	ARUN200LT3	ARUN200LT3	ARUN200LT3
			ARUN160LT3	ARUN160LT3	ARUN160LT3	ARUN180LT3	ARUN200LT3
Capacity	Cooling	kW	201.6	207.2	212.8	218.4	224.0
	Heating	kW	226.8	233.1	239.4	245.7	252.0
Power	Cooling	kW	52.00	53.80	56.00	57.80	60.00
Input	Heating	kW	54.00	56.00	58.00	60.00	62.00
EER	Cooling		3.88	3.85	3.80	3.78	3.73
COP	Heating		4.20	4.16	4.13	4.10	4.06
Power Supply		Ø, V, Hz	3, 380-415, 50				
Dimensions(WxHxD)		mm	(1,240×1,680×760)×4				
Weight		kg	260×2 + 325×2	260×1+315×1+325×2	260×1 + 325×3	315×1 + 325×3	325 × 4
Colour			Warm Gray, Morning Gray				
Noise level		dBA±3	67.5	67.8		68	
Fan	Type		Propeller fan				
	Air flow rate	[CMM]	920	950	960	990	1,000
Compressor	Type		Hermetically Sealed Scroll				
	Number of compressors		10	11		12	
Heat Exchanger			Gold fin				
Refrigerant	Type		R410A				
	Charge	kg	32.0	32.5	34.0	34.5	36.0
	Control		EEV				
Oil	Type		FVC68D(PVE)				
	Charge	cc	25,400	27,100		28,800	
Piping	Liquid Pipes	mm(inch)	Ø22.2(7/8)				
Connections	Gas Pipes	mm(inch)	Ø53.98(2 1/8)				
Number of outdoor unit			4				
Number of maximum connectable indoor units *			64				
Ratio of the connectable indoor units			50-130%				
Longest piping length / Level difference **			200m/110m				

* The number of () means the number of max. connectable indoor units, when the connected capacity of indoor units is in the table below.

** Conditional Application

To make 40-90m of pipe length after first branch refer to the part of "Installation of outdoor units" in PDB

Note :

1. Capacities are based on the following conditions

Cooling-Indoor temp. 27°C[80.6°F]DB / 19°C[66.2°F]WB

Outdoor temp. 35°C[95°F]DB / 24°C[75.2°F]WB

Interconnecting piping length 7.5m

Level difference of zero

Heating-Indoor temp. 20°C[68°F]DB / 15°C[59°F]WB

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

4. EEV : Electronic Expansion Valve

CAUTION

• A combination operation over 100% cause to reduce each indoor unit capacity

• Combination ratio(50-200%)

No. of outdoor unit	Connection Capacity
Single unit	200%
Double unit	160%
Triple unit	130%
Over triple unit	130%

We can guarantee the operation only within 130% Combination.

If you want to connect more than 130% combination, please contact us and discuss the requirement like below.

- 1) If the operational capacity of indoor units exceed 130%, then all the indoor units operate under low air flow step mode.
- 2) Over 130%, capacity is same as capacity of 130%, Same remark is valid for power input.



HP			8	10	12	14	16	18	20
Model		Combination unit	ARUB80LT3	ARUB100LT3	ARUB120LT3	ARUB140LT3	ARUB160LT3	ARUB180LT3	ARUB200LT3
		Independent unit	ARUB80LT3	ARUB100LT3	ARUB120LT3	ARUB140LT3	ARUB160LT3	ARUB180LT3	ARUB200LT3
Capacity	Cooling	kW	22.4	28.0	33.6	39.2	44.8	50.4	56.0
	Heating	kW	25.2	31.5	37.8	44.1	50.4	56.7	63.0
Power	Cooling	kW	5.25	7.00	8.90	9.50	11.00	12.80	15.00
Input	Heating	kW	5.50	7.25	9.00	9.70	11.50	13.50	15.50
EER	Cooling		4.27	4.00	3.78	4.13	4.07	3.94	3.73
COP	Heating		4.58	4.34	4.20	4.55	4.38	4.20	4.06
Power Supply		Ø, V, Hz	3, 380~415, 50						
Dimensions(WxHxD)		mm	920×1,680×760				1,240×1,680×760		
Weight		kg	240 × 1				270×1	320×1	330×1
Colour			Warm Gray, Morning Gray						
Noise level		dBA±3	57	58			61	62	
Fan	Type		Propeller fan						
	Air flow rate	[CMM]	180	190		210		240	250
Compressor	Type		HSS DC Scroll						
	Number of compressors		2					3	
Heat Exchanger			Gold fin						
Refrigerant	Type		R410A						
	Charge	kg	6.4				7.0	7.5	9
	Control		EEV						
Oil	Type		FVC68D(PVE)						
	Charge	cc	5,200				5,500	7,200	
Piping	Liquid Pipes	mm(inch)	Ø9.52(3/8)			Ø12.7(1/2)		Ø15.88(5/8)	
Connections	Low Pressure Gas Pipes	mm(inch)	Ø19.05(3/4)	Ø22.2(7/8)		Ø28.58(1 1/8)			
	High Pressure Gas Pipes	mm(inch)	Ø15.88(5/8)	Ø19.05(3/4)			Ø22.2(7/8)		
Number of outdoor unit			1						
Number of maximum connectable indoor units *			13(20)	16(25)	20(30)	23(35)	26(40)	29(45)	32(50)
Ratio of the connectable indoor units			50~200%						
Longest piping length / Level difference **			200m/110m						

HP			22	24	26
Model	Combination unit		ARUB220LT3	ARUB240LT3	ARUB260LT3
	Independent unit		ARUB120LT3	ARUB120LT3	ARUB140LT3
			ARUB100LT3	ARUB120LT3	ARUB120LT3
Capacity	Cooling	kW	61.6	67.2	72.8
	Heating	kW	69.3	75.6	81.9
Power	Cooling	kW	15.90	17.80	18.40
Input	Heating	kW	16.25	18.00	18.70
EER	Cooling		3.87	3.78	3.96
COP	Heating		4.26	4.20	4.38
Power Supply		Ø, V, Hz	3, 380~415, 50		
Dimensions(WxHxD)		mm	(920×1,680×760)×2		(920×1,680×760)×1+(1,240×1,680×760)×1
Weight		kg	240 × 2		240×1 + 270×1
Colour			Warm Gray, Morning Gray		
Noise level		dBA±3	61		
Fan	Type		Propeller fan		
	Air flow rate	[CMM]	380	400	
Compressor	Type		HSS DC Scroll		
	Number of compressors		4		
Heat Exchanger			Gold fin		
Refrigerant	Type		R410A		
	Charge	kg	12.8		13.4
	Control		EEV		
Oil	Type		FVC68D(PVE)		
	Charge	cc	10,400	10,700	
Piping	Liquid Pipes	mm(inch)	Ø15.88(5/8)		Ø19.05(3/4)
Connections	Low Pressure Gas Pipes	mm(inch)	Ø34.9(1 3/8)		
	High Pressure Gas Pipes	mm(inch)	Ø28.58(1 1/8)		
Number of outdoor unit			2		
Number of maximum connectable indoor units *			35(44)	39(48)	42(52)
Ratio of the connectable indoor units			50~160%		
Longest piping length / Level difference **			200m/110m		



HP			28	30	32	34	36	38	40
Model	Combination unit		ARUB28OLT3	ARUB30OLT3	ARUB32OLT3	ARUB34OLT3	ARUB36OLT3	ARUB38OLT3	ARUB40OLT3
		Independent unit	ARUB16OLT3	ARUB16OLT3	ARUB16OLT3	ARUB18OLT3	ARUB20OLT3	ARUB20OLT3	ARUB20OLT3
			ARUB12OLT3	ARUB14OLT3	ARUB16OLT3	ARUB16OLT3	ARUB16OLT3	ARUB18OLT3	ARUB20OLT3
Capacity	Cooling	kW	78.4	84.0	89.6	95.2	100.8	106.4	112.0
	Heating	kW	88.2	94.5	100.8	107.1	113.4	119.7	126.0
Power	Cooling	kW	19.90	20.50	22.00	23.80	26.00	27.80	30.00
Input	Heating	kW	20.50	21.20	23.00	25.00	27.00	29.00	31.00
EER	Cooling		3.94	4.10	4.07	4.00	3.88	3.83	3.73
COP	Heating		4.30	4.46	4.38	4.28	4.20	4.13	4.06
Power Supply		Ø, V, Hz	3, 380-415, 50						
Dimensions(WxHxD)		mm	(920×1,680×760)×1 +(1,240×1,680×760)×1	(1,240×1,680×760)×2					
Weight		kg	240×1+270×1	270 × 2		270×1+320×1	270×1+330×1	320×1+330×1	330 × 2
Colour			Warm Gray, Morning Gray						
Noise level		dBA±3	61	62.8		63.5		65	
Fan	Type		Propeller fan						
	Air flow rate	[CMM]	400	420		450	460	490	500
Compressor	Type		HSS DC Scroll						
	Number of compressors			4			5		6
Heat Exchanger			Gold fin						
Refrigerant	Type		R410A						
	Charge	kg	13.4	14.0		14.5	16.0	16.5	18.0
	Control		EEV						
Oil	Type		FVC68D(PVE)						
	Charge	cc	10,700	11,000		12,700		14,400	
Piping	Liquid Pipes	mm(inch)	Ø19.05(3/4)						
Connections	Low Pressure Gas Pipes	mm(inch)	Ø34.9(1 3/8)						
	High Pressure Gas Pipes	mm(inch)	Ø28.58(1 1/8)						
			Ø34.9(1 3/8)						
Number of outdoor unit			2						
Number of maximum connectable indoor units *			45(56)	49(60)	52(64)	55(64)	58(64)	61(64)	64
Ratio of the connectable indoor units			50~160%						
Longest piping length / Level difference **			200m/110m						

HP			42	44	46	48	50
Model	Combination unit		ARUB42OLT3	ARUB44OLT3	ARUB46OLT3	ARUB48OLT3	ARUB50OLT3
		Independent unit	ARUB16OLT3	ARUB16OLT3	ARUB16OLT3	ARUB16OLT3	ARUB18OLT3
			ARUB14OLT3	ARUB16OLT3	ARUB16OLT3	ARUB16OLT3	ARUB16OLT3
			ARUB12OLT3	ARUB12OLT3	ARUB14OLT3	ARUB16OLT3	ARUB16OLT3
Capacity	Cooling	kW	117.6	123.2	128.8	134.4	140.0
	Heating	kW	132.3	139.0	144.9	151.2	157.5
Power	Cooling	kW	29.40	30.90	31.50	33.00	34.80
Input	Heating	kW	30.20	32.00	32.70	34.50	36.50
EER	Cooling		4.00	3.99	4.09	4.07	4.02
COP	Heating		4.38	4.33	4.34	4.38	4.32
Power Supply		Ø, V, Hz	3, 380-415, 50				
Dimensions(WxHxD)		mm	(920×1,680×760)×1+(1,240×1,680×760)×2	(1,240×1,680×760)×3			
Weight		kg	240×1 + 270×2	240 + 270 × 2	270 × 3		270 × 2 + 320 × 1
Colour			Warm Gray, Morning Gray				
Noise level		dBA±3	62.8	64		64.5	65.4
Fan	Type		Propeller fan				
	Air flow rate	[CMM]		610		630	660
Compressor	Type		HSS DC Scroll				
	Number of compressors				6		7
Heat Exchanger			Gold fin				
Refrigerant	Type		R410A				
	Charge	kg		20.4		21.0	21.5
	Control		EEV				
Oil	Type		FVC68D(PVE)				
	Charge	cc		16,200		16,500	18,200
Piping	Liquid Pipes	mm(inch)	Ø19.05(3/4)				
Connections	Low Pressure Gas Pipes	mm(inch)	Ø41.3(1 5/8)				
	High Pressure Gas Pipes	mm(inch)	Ø34.9(1 3/8)				
Number of outdoor unit			3				
Number of maximum connectable indoor units *			64				
Ratio of the connectable indoor units			50~130%				
Longest piping length / Level difference **			200m/110m				

Specifications: Outdoor Units

HP			52	54	56	58	60
Model	Combination unit		ARUB520LT3	ARUB540LT3	ARUB560LT3	ARUB580LT3	ARUB600LT3
	Independent unit		ARUB200LT3	ARUB200LT3	ARUB200LT3	ARUB200LT3	ARUB200LT3
			ARUB160LT3	ARUB200LT3	ARUB200LT3	ARUB200LT3	ARUB200LT3
			ARUB160LT3	ARUB140LT3	ARUB160LT3	ARUB180LT3	ARUB200LT3
Capacity	Cooling	kW	145.6	151.2	156.8	162.4	168.0
	Heating	kW	163.8	170.1	176.4	182.7	189.0
Power	Cooling	kW	37.00	39.50	41.00	42.80	45.00
	Input	kW	38.50	40.70	42.50	44.50	46.50
EER	Cooling		3.94	3.83	3.82	3.79	3.73
COP	Heating		4.25	4.18	4.15	4.11	4.06
Power Supply		Ø, V, Hz	3, 380~415, 50				
Dimensions(WxHxD)		mm	(1,240x1,680x760)×3				
Weight		kg	270 × 2 + 330 × 1	270 × 1 + 330 × 2		320 × 1 + 330 × 2	330 × 3
Colour			Warm Gray, Morning Gray				
Noise level		dBA±3	65.8		66.5	66.8	
Fan	Type		Propeller fan				
Compressor	Air flow rate	[CMM]	670	710		740	750
	Type		HSS DC Scroll				
Number of compressors			7	8		9	
Heat Exchanger			Gold fin				
Refrigerant	Type		R410A				
	Charge	kg	23.0	25.0		25.5	27.0
Oil	Control		EEV				
	Type		FVC68D(PVE)				
Charge		cc	18,200	19,900		21,600	
Piping	Liquid Pipes	mm(inch)	Ø19.05(3/4)				
Connections	Low Pressure Gas Pipes	mm(inch)	Ø41.3(1 5/8)				
	High Pressure Gas Pipes	mm(inch)	Ø34.9(1 3/8)				
Number of outdoor unit			3				
Number of maximum connectable indoor units *			64				
Ratio of the connectable indoor units			50~130%				
Longest piping length / Level difference **			200m/110m				

HP			62	64	66	68	70
Model		Combination unit	ARUB620LT3	ARUB640LT3	ARUB660LT3	ARUB680LT3	ARUB700LT3
		Independent unit	ARUB160LT3	ARUB160LT3	ARUB180LT3	ARUB180LT3	ARUB200LT3
			ARUB160LT3	ARUB160LT3	ARUB160LT3	ARUB180LT3	ARUB180LT3
			ARUB160LT3	ARUB160LT3	ARUB160LT3	ARUB160LT3	ARUB160LT3
			ARUB140LT3	ARUB160LT3	ARUB160LT3	ARUB160LT3	ARUB160LT3
Capacity	Cooling	kW	173.6	179.2	184.8	190.4	196.0
	Heating	kW	195.3	201.6	207.9	214.2	220.5
Power	Cooling	kW	42.50	44.00	45.80	47.60	49.80
Input	Heating	kW	44.20	46.00	48.00	50.00	52.00
EER	Cooling		4.08	4.07	4.03	4.00	3.94
COP	Heating		4.42	4.38	4.33	4.28	4.24
Power Supply		Ø, V, Hz	3, 380~415, 50				
Dimensions(WxHxD)		mm	(1,240×1,680×760)×4				
Weight		kg	270 × 4		270×3 + 320×1		270 × 2 + 320× 2 270×2+320×1+330×1
Colour			Warm Gray, Morning Gray				
Noise level		dBA±3	66.4	67	67.3	67.5	
Fan	Type		Propeller fan				
	Air flow rate	[CMM]	840		870	900	910
Compressor	Type		HSS DC Scroll				
	Number of compressors		8		9	10	
Heat Exchanger			Gold fin				
Refrigerant	Type		R410A				
	Charge	kg	28.0		28.5	29.0	30.5
	Control		EEV				
Oil	Type		FVC68D(PVE)				
	Charge	cc	22,000		23,700	25,400	
Piping	Liquid Pipes	mm(inch)	Ø22.2(7/8)				
Connections	Low Pressure Gas Pipes	mm(inch)	Ø44.5(1 3/4)		Ø53.98(2 1/8)		
	High Pressure Gas Pipes	mm(inch)	Ø41.3(1 5/8)		Ø44.5(1 3/4)		
Number of outdoor unit			4				
Number of maximum connectable indoor units *			64				
Ratio of the connectable indoor units			50~130%				
Longest piping length / Level difference **			200m/110m				

HP			72	74	76	78	80
Model	Combination unit		ARUB720LT3	ARUB740LT3	ARUB760LT3	ARUB780LT3	ARUB800LT3
	Independent unit		ARUB200LT3	ARUB200LT3	ARUB200LT3	ARUB200LT3	ARUB200LT3
			ARUB200LT3	ARUB200LT3	ARUB200LT3	ARUB200LT3	ARUB200LT3
			ARUB160LT3	ARUB180LT3	ARUB200LT3	ARUB200LT3	ARUB200LT3
			ARUB160LT3	ARUB160LT3	ARUB160LT3	ARUB180LT3	ARUB200LT3
Capacity	Cooling	kW	201.6	207.2	212.8	218.4	224.0
	Heating	kW	226.8	233.1	239.4	245.7	252.0
Power	Cooling	kW	52.00	53.80	56.00	57.80	60.00
Input	Heating	kW	54.00	56.00	58.00	60.00	62.00
EER	Cooling		3.88	3.85	3.80	3.78	3.73
COP	Heating		4.20	4.16	4.13	4.10	4.06
Power Supply		Ø, V, Hz	3, 380-415, 50				
Dimensions(WxHxD)		mm	(1,240×1,680×760)×4				
Weight		kg	270×2+330×2	270×1+320 ×1+330×2	270×1 + 330×3	320×1 + 330×3	330 × 4
Colour			Warm Gray, Morning Gray				
Noise level		dBA±3	67.5		67.8		68
Fan	Type		Propeller fan				
	Air flow rate	[CMM]	920	950	960	990	1,000
Compressor	Type		HSS DC Scroll				
	Number of compressors		10		11		12
Heat Exchanger			Gold fin				
Refrigerant	Type		R410A				
	Charge	kg	32.0	32.5	34.0	34.5	36.0
	Control		EEV				
Oil	Type		FVC68D(PVE)				
	Charge	cc	25,400		27,100		28,800
Piping	Liquid Pipes	mm(inch)	Ø22.2(7/8)				
Connections	Low Pressure Gas Pipes	mm(inch)	Ø53.98(2 1/8)				
	High Pressure Gas Pipes	mm(inch)	Ø44.5(1 3/4)				
Number of outdoor unit			4				
Number of maximum connectable indoor units *			64				
Ratio of the connectable indoor units			50-130%				
Longest piping length / Level difference **			200m/110m				

* The number of () means the number of max. connectable indoor units, when the connected capacity of indoor units is in the table below.

** Conditional Application

To make 40-90m of pipe length after first branch refer to the part of "Installation of outdoor units" in PDB

Note :

1. Capacities are based on the following conditions

Cooling-Indoor temp. 27°C[80.6°F]DB / 19°C[66.2°F]WB

Outdoor temp. 35°C[95°F]DB / 24°C[75.2°F]WB

Interconnecting piping length 7.5m

Level difference of zero

Heating-Indoor temp. 20°C[68°F]DB / 15°C[59°F]WB

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

4. EEV : Electronic Expansion Valve

CAUTION

• A combination operation over 100% cause to reduce each indoor unit capacity

• Combination ratio(50-200%)

No. of outdoor unit	Connection Capacity
Single unit	200%
Double unit	160%
Triple unit	130%
Over triple unit	130%

We can guarantee the operation only within 130% Combination.

If you want to connect more than 130% combination, please contact us and discuss the requirement like below.

- 1) If the operational capacity of indoor units exceed 130%, then all the indoor units operate under low air flow step mode.
- 2) Over 130%, capacity is same as capacity of 130%, Same remark is valid for power input.

Specifications: Outdoor Units



1Ø 4HP



1Ø 5HP,6HP

*1Ø, 220V

*3Ø, 380V

HP			4	5	6	4	5	6
Model			ARUN40GS2A	ARUN50GS2A	ARUN60GS2A	ARUN40LS2A	ARUN50LS2A	ARUN60LS2A
Capacity	Cooling	kW	11.2	14.0	15.5	11.2	14.0	15.5
	Heating	kW	12.5	16.0	18.0	12.5	16.0	18.0
Power Input	Cooling	kW	3.0	3.5	4.2	2.6	3.5	4.2
	Heating	kW	3.2	3.9	4.6	2.9	3.9	4.6
COP	Cooling		3.73	4.00	3.69	4.31	4.00	3.69
	Heating		3.91	4.10	3.91	4.31	4.10	3.91
Power Supply		Ø/V/Hz	1 / 220 ~ 240 / 50, 1 / 220 / 60			3 / 380 ~ 415 / 50, 3 / 380 / 60		
Dimensions(WxHxD)		mm	950×834×330			950×1380×330		
Weight		kg	77			107		
Color			Warm Gray			Warm Gray		
Noise Level	Cooling	dBA±3	50	51	52	50	51	52
	Heating	dBA±3	52	53	54	52	53	54
Fan	Type		BLDC			BLDC		
	Air flow rate	[CMM]	60			110		
Compressor	Type		DC INV Rotary			DC INV Rotary		
	Number of compressors		1			1		
Heat Exchanger			Gold Fin			Gold Fin		
Refrigerant	Type		R410A			R410A		
	Charge	kg	1.8			3.0		
	Control		EEV			EEV		
Refrigerant Oil	Oil Type		FVC68D			FVC68D		
	Oil Charge Amount	cc	1,300			1,300		
Pipe Connctions	Liquid Pipes	mm(inch)	ø9.52(3/8)			ø9.52(3/8)		
	Gas Pipes	mm(inch)	ø15.88(5/8)			ø15.88(5/8)		
Number of outdoor unit			1			1		
Number of connectable indoor units			6			6		
Ratio of the connectable indoor units			50~130%			50~130%		
Longest piping length / Level difference			150m/50m			150m/50m		

Note :

- Capacities are based on the following conditions
 Cooling-Indoor temp. 27°C[80.6°F]DB / 19°C[66.2°F]WB
 Outdoor temp. 35°C[95°F]DB / 24°C[75.2°F]WB
 Interconnecting piping length 7.5m
 Level difference of zero

- Heating-Indoor temp. 20°C[68°F]DB / 15°C[59°F]WB
 Outdoor temp. 7°C[44.6°F]DB / 6°C[42.8°F]WB
 Interconnecting piping length 7.5m
 Level difference of zero

- Capacities are net capacities
- Due to our policy of innovation some specifications may be changed without notification
- EEV : Electronic Expansion Valve



HP			6	8
Model			ARUN60LR2 (Right Discharge) ARUN60LL2 (Left Discharge)	ARUN80LR2 (Right Discharge) ARUN80LL2 (Left Discharge)
Capacity	Cooling	kW	16.0	21.7
	Heating	kW	18.0	23.0
Power Input	Cooling	kW	4.7	6.7
	Heating	kW	4.9	7.1
EER	Cooling		3.40	3.24
COP	Heating		3.67	3.24
Power Supply		Ø/V/Hz	3, 380-415, 50	
Dimensions(WxHxD)		mm	750 x 1790 x 650	
Weight		kg	200	
Colour			Warm Gray	
Noise Level		dBA±3	49	53
Fan	Type		Sirocco Fan	
	Air flow rate	[CMM]	100	120
Compressor	Type		DC Scroll	
	Number of compressors		1	
Heat Exchanger			Gold Fin	Wide Louver fin (Gold-Coating)
Refrigerant	Type		R410A	
	Charge	kg	5.2	6.4
	Control		EEV	
Refrigerant Oil	Oil Type		FVC68D(PVE)	
	Oil Charge Amount	cc	2,300	
Pipe Connections	Liquid Pipes	mm(inch)	9.52(3/8)	
	Gas Pipes	mm(inch)	19.05(3/4)	
Number of outdoor unit			1	
Number of connectable indoor units			9	13
Ratio of the connectable indoor units			50~130%	
Longest piping length / Level difference			150m/50m	

Note :

- Capacities are based on the following conditions
Cooling-Indoor temp. 27°C[80.6°F]DB / 19°C[66.2°F]WB
Outdoor temp. 35°C[95°F]DB / 24°C[75.2°F]WB
Interconnecting piping length 7.5m
Level difference of zero

- Heating-Indoor temp. 20°C[68°F]DB / 15°C[59°F]WB
Outdoor temp. 7°C[44.6°F]DB / 6°C[42.8°F]WB
Interconnecting piping length 7.5m
Level difference of zero

- Capacities are net capacities
- Due to our policy of innovation some specifications may be changed without notification
- EEV : Electronic Expansion Valve

Specifications: Outdoor Units



HP			10	20	30	40	50	60
Model		Combination unit	ARWN100LA2	ARWN200LA2	ARWN300LA2	ARWN400LA2	ARWN500LA2	ARWN600LA2
		Independent unit	ARWN100LA2	ARWN200LA2	ARWN200LA2	ARWN200LA2	ARWN200LA2	ARWN200LA2
					ARWN100LA2	ARWN200LA2	ARWN200LA2	ARWN200LA2
						ARWN100LA2	ARWN200LA2	
Capacity	Cooling	kW	28.0	56.0	84.0	112.0	140.0	168.0
	Heating	kW	31.5	63.0	94.5	126.0	157.5	189.0
Power Input	Cooling	kW	5.6	11.2	16.8	22.4	28.0	33.6
	Heating	kW	5.8	11.7	17.5	23.4	29.2	35.1
EER	Cooling		5.00	5.00	5.00	5.00	5.00	5.00
COP	Heating		5.43	5.38	5.40	5.38	5.39	5.38
Power Supply		Ø/V/Hz	3, 380-415, 50					
Dimensions(WxHxD)		mm	772x1,120x547		(772x1,120x547)x2		(772x1,120x547)x3	
Weight		kg	170	170	238+170	238+238	238+238+170	238+238+238
Colour			Warm Gray					
Noise Level		dBA	51		53	54	55	56
Heat Exchanger	Type		Stainless Steel Plate					
	Max. pressure resistance	kgf/cm ²	45					
	Head loss	kPa	26.5	43	26.5+43	43+43	43+43+26.5	43+43+43
	Rated Water flow	LPM	96	192	192+96	192+192	192+192+96	192+192+192
Compressor	Type		Hermetic Scroll					
	Number of compressors		1	2	3	4	5	6
Refrigerant	Type		R410A					
	Charge	kg	7.3	8.8	8.8+7.3	8.8+8.8	8.8+8.8+7.3	8.8+8.8+8.8
Refrigerant Oil	Control		EEV					
	Oil Type		FVC68D(PVE)					
Pipe Connections	Oil Charge Amount	cc	2,325±10	(2,325±10) + (2,325±70)	(2,325±10)x2 + (2,325±70)	(2,325±10)x2 + (2,325±70)x2	(2,325±10)x3 + (2,325±70)x2	(2,325±10)x3 + (2,325±70)x3
	Liquid Pipes	mm(inch)	9.52(3/8)	12.7(1/2)	19.05(3/4)	19.05(3/4)		
Water Connection	Gas Pipes	mm(inch)	22.2(7/8)	28.58(1 1/8)	34.9(1 3/8)	41.3(1 5/8)		
	Inlet		PT32A	PT40A	PT40A, PT32A	(PT40A)x2	(PT40A)x2, PT32A	(PT40A)x3
Water Connection	Outlet		PT32A	PT40A	PT40A, PT32A	(PT40A)x2	(PT40A)x2, PT32A	(PT40A)x3
	Drain Outlet		20					
Number of outdoor unit			1		2		3	
Number of connectable indoor units			16	32	49	64		
Ratio of the connectable indoor units			50~130%					
Longest piping length / Level difference			150m/50m					

Notes:

1. Capacities and Inputs are based on the following conditions

Cooling : Indoor temp. 27°C [80.6°F]DB/19°C[66.2°F]WB Heating : Indoor temp. 20°C[68°F]DB,
 Water inlet temp. 30°C[86°F] Water inlet temp. 20°C[68°F]
 Interconnecting piping length 7.5m
 Level difference of zero

2. Capacities are net capacities

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

4. EEV : Electronic Expansion Valve

Specifications: Outdoor Units



HP			10	20	30	40	50	60
Model		Combination unit	ARWB100LA2	ARWB200LA2	ARWB300LA2	ARWB400LA2	ARWB500LA2	ARWB600LA2
		Independent unit	ARWB100LA2	ARWB200LA2	ARWB200LA2	ARWB200LA2	ARWB200LA2	ARWB200LA2
					ARWB100LA2	ARWB200LA2	ARWB200LA2	ARWB200LA2
							ARWB100LA2	ARWB200LA2
Capacity	Cooling	kW	28.0	56.0	84.0	112.0	140.0	168.0
	Heating	kW	31.5	63.0	94.5	126.0	157.5	189.0
Power Input	Cooling	kW	5.6	11.2	16.8	22.4	28.0	33.6
	Heating	kW	5.8	11.7	17.5	23.4	29.2	35.1
EER	Cooling		5.00	5.00	5.00	5.00	5.00	5.00
COP	Heating		5.43	5.38	5.40	5.38	5.39	5.38
Power Supply		Ø/V/Hz	3, 380-415, 50					
Dimensions(WxHxD)		mm	772x1,120x547		(772x1,120x547)x2		(772x1,120x547)x3	
Weight		kg	170	238	238+170	238+238	238+238+170	238+238+238
Colour			Warm Gray					
Noise Level		dBA	51		53	54	55	56
Heat Exchanger	Type		Stainless Steel Plate					
	Max. pressure resistance	kgf/cm²	45					
	Head loss	kPa	26.5	43	26.5+43	43+43	43+43+26.5	43+43+43
	Rated Water flow	LPM	96	192	192+96	192+192	192+192+96	192+192+192
Compressor	Type		Hermetic Scroll					
	Number of compressors		1	2	3	4	5	6
Refrigerant	Type		R410A					
	Charge	kg	7.3	8.8	8.8+7.3	8.8+8.8	8.8+8.8+7.3	8.8+8.8+8.8
Refrigerant Oil	Control		EEV					
	Oil Type		FVC68D(PVE)					
	Oil Charge Amount	cc	2,325±10	(2,325±10) + (2,325±70)	(2,325±10)x2 + (2,325±70)	(2,325±10)x2+ (2,325±70)x2	(2,325±10)x3+ (2,325±70)x2	(2,325±10)x3+ (2,325±70)x3
Pipe Connections	Liquid Pipes	mm(inch)	9.52(3/8)	12.7(1/2)	19.05 (3/4)	19.05(3/4)		
	Low Pressure Gas	mm(inch)	22.2(7/8)	28.58(1 1/8)	34.9(1 3/8)	41.3(1 5/8)		
	High Pressure Gas	mm(inch)	19.05(3/4)	22.2(7/8)	28.58 (1 1/8)	34.9 (1 3/8)		
Water Connection	Inlet		PT32A	PT40A	PT40A, PT32A	(PT40A)x2	(PT40A)x2, PT32A	(PT40A)x3
	Outlet		PT32A	PT40A	PT40A, PT32A	(PT40A)x2	(PT40A)x2, PT32A	(PT40A)x3
	Drain Outlet		20					
Number of outdoor unit			1		2		3	
Number of connectable indoor units			16	32	49	64		
Ratio of the connectable indoor units			50~130%					
Longest piping length / Level difference			150m/50m					

Notes:

1. Capacities and Inputs are based on the following conditions

Cooling : Indoor temp. 27°C [80.6°F]DB/19°C[66.2°F]WB Heating : Indoor temp. 20°C[68°F]DB,
Water inlet temp. 30°C[86°F] Water inlet temp. 20°C[68°F]
Interconnecting piping length 7.5m
Level difference of zero

2. Capacities are net capacities

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

4. EEV : Electronic Expansion Valve

MULTI V™ series

Indoor Units

If you need a highly efficient air conditioning system in your building: MULTI V is the right choice for you.



48 ARTCOOL

50 Libero

51 Wall Mounted

52 Console

53 Ceiling Cassette



57 Ceiling Concealed Duct

61 Ceiling and Floor

62 Ceiling Suspended

63 Floor Standing

ART COOL Gallery

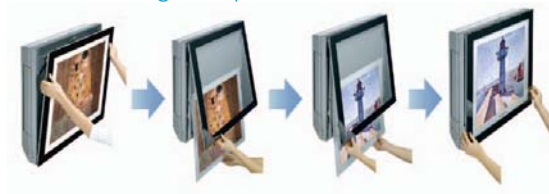
Aesthetic design

You no longer have to be told what your air conditioner should look like. With LG's revolutionary ARTCOOL Gallery indoor unit, you can change the look of your air conditioner to what you want, when you want, by simply changing the picture.

The ARTCOOL series have outstanding designs that have received numerous awards: International Forum Design Award, Reddot Design Award and G Mark.



- How to change the picture



- Panel type



Silver 07/09/12GSFV2 Gold 07/09/12GSFG2 Red 07/09/12GSFE2 White silver 07/09/12GSFH2

- ARTCOOL Mirror



Mirror 07/09/12/15GSER2 18/24GS8R2 Silver 07/09/12/15GSEV2 18/24GS8V2



Blue 07/09/12/15GSEB2 18/24GS8B2

LIBERO

Installation support clip*

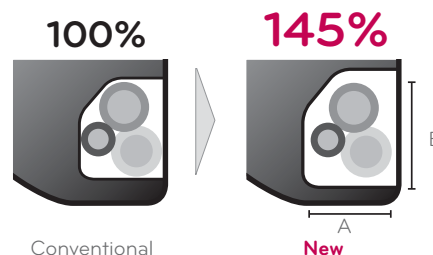
Installation support clip makes installation easier

*Only Libero



Larger installation space

Wider installation space can make indoor unit installation much easier.



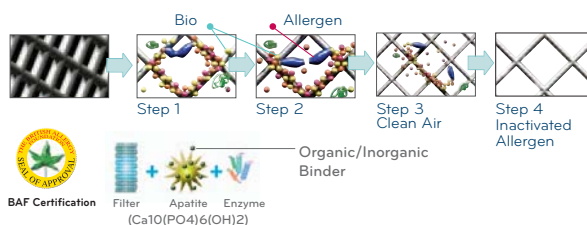
	LG	Co.A	Co.B	Co.C
A(mm)	67.7	50.0	60.0	45.0
B(mm)	72.0	80.0	70.0	70.0
%	116%	95%	100%	75%

Filtration

Dust floating in the air is sucked into the air conditioner and caught in the air filter

Virus and allergy filter

The filter consists of an enzyme that breaks down allergens and organic/inorganic matter that attach themselves to the enzyme in the filter. When air passes through the filter, allergens cling to the filter and like tiny pairs of scissors the enzymes cut the allergen's protein in order to neutralise them.



LG has created a stylish indoor unit that compliments any interior decor. It has improved air flow and has been designed to reduce noise, and provide a more pleasant indoor environment.

Deodorising

The triple filter cleans the air by removing allergens.

Triple filter

The triple filter consists of three special filters to help reduce the symptoms associated with various organic compounds such as formaldehyde. It also has the ability to remove unpleasant odours thereby creating a more pleasant environment.



- The red filter removes household smells such as smoke and cooking odours.
- The black filter removes construction odours such as formaldehyde.
- The green filter removes chemical substances such as the smell of fresh paint.

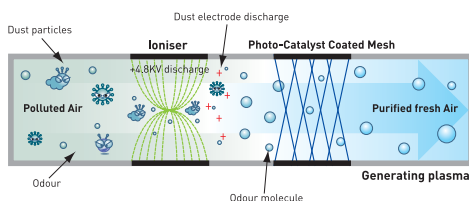
- 1 The volatile organic chemicals (VOCs) filter removes odours and hazardous VOCs that are discharged from household items made with chemical substances (carpet, paint, cleaners, furniture, etc.).
- 2 The formaldehyde filter removes formaldehyde, a leading cause of sick building syndrome.
- 3 The common odour filter removes odours that can cause migraines and other ailments.

Elimination

Tiny dust particles are eliminated when they come into contact with the electric field.

Plasma filter

The plasma air purifying system was initially developed by LG not only for the reduction of microscopic contaminants and dust, but also to remove the likes of household dust mites, micro dust, and pet fur in order to reduce allergy and asthma symptoms.



Auto cleaning

A major cause of air conditioner odours is mold and bacteria that breed in the heat exchanger. The auto clean function dries the wet heat exchanger to help prevent mold and bacteria from breeding. This significantly reduces smells and the need for frequent manual cleaning.



1st Step

The evaporator is dried with air and this removes remaining moisture. Press "Auto Clean" and the function starts after the cooling operation.



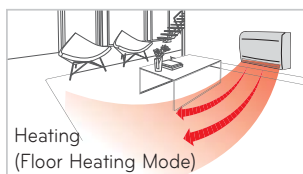
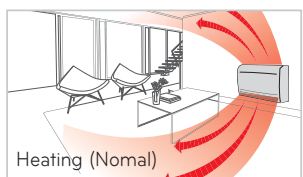
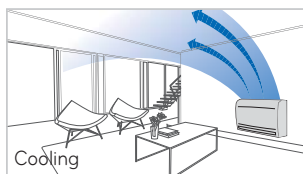
2nd Step

Removes the source of mold using the plasma plus system. In 30 minutes, "Auto Clean" dries the inner part of the indoor unit.

Console

Unique LG design

The Console has been designed with the latest technology to ensure optimum comfort.

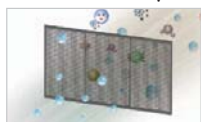


Different air flow for cooling and heating

For cooling, the vane is adjusted upwards to push the cold air towards the ceiling. In heating mode, the vane sends the heated air downwards to balance the room temperature, in particular at floor level.

3 stage air filter system

1st Advanced pre filter:



The anti-bacterial pre-filter primarily reduces large dust particles.

2nd Allergy filter:



This filter consists of an enzyme that breaks down allergens, and organic/inorganic matter that are caught in the filter. When air passes through the filter, allergens cling to the filter and enzymes cut the allergen's protein to neutralise it.

3rd Plasma ion generator:

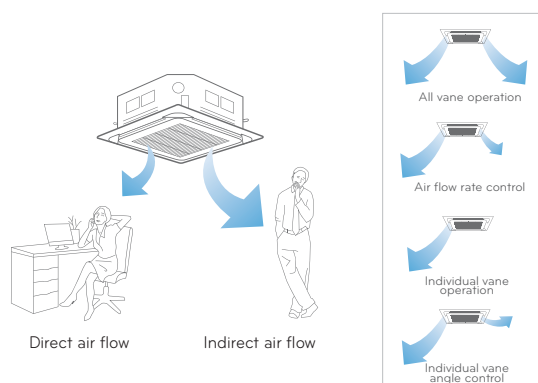


The sterilised ion generating system, emits around 1.2 million ions, and catches hazardous substances in the air. It therefore proactively looks for and catches germs.

Ceiling cassette

Independent vane operation

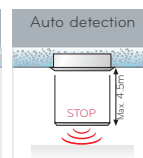
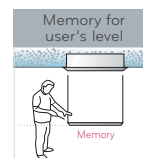
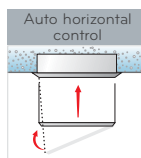
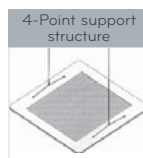
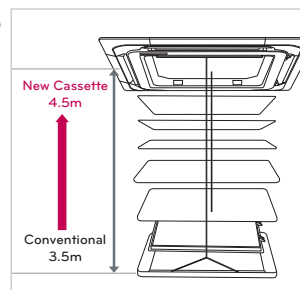
Vane angle control satisfies both users who like direct air flow as well as those who prefer indirect airflow. This helps to prevent cold drafts.



Auto elevation grille

Easy filter cleaning with elevation grille

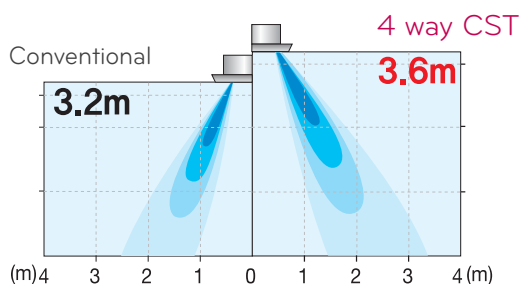
- Installed inside main body
- Auto leveling
- 4 support points
- Memory for user's level
- Max. 4.5m length



*Available for 24k - 48k Btu/h

High ceiling mode

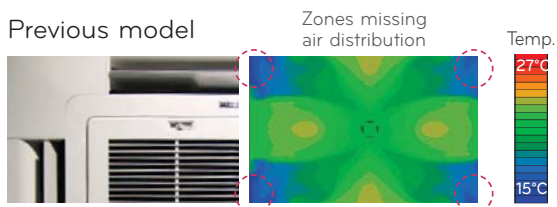
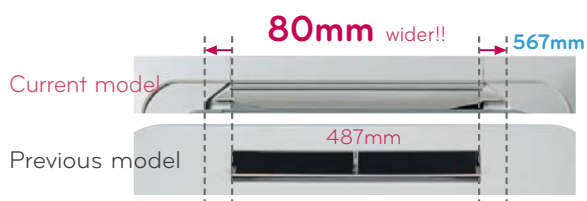
The high ceiling mode with phase-control algorithm makes it possible to install in ceilings as high as 3.6m.



Wide vanes

Wider and narrower vanes provide a more even temperature distribution without creating zones where the air flow does not reach.

Air flow improvement

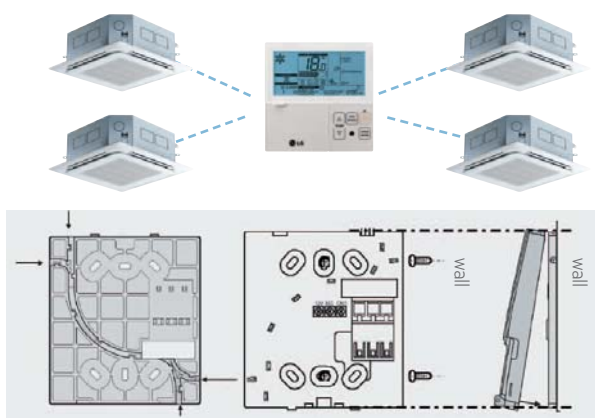


Flexible connection

Flexible connection of the remote controller

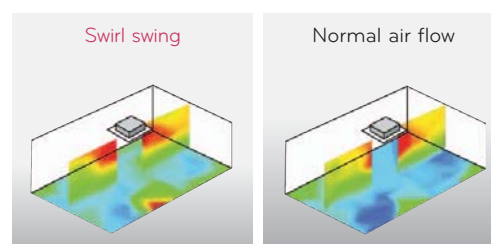
- Group control: 1 remote controller to several indoor units
- Second remote control: 2 remote controllers to 1 indoor unit

Simply attach to the wall

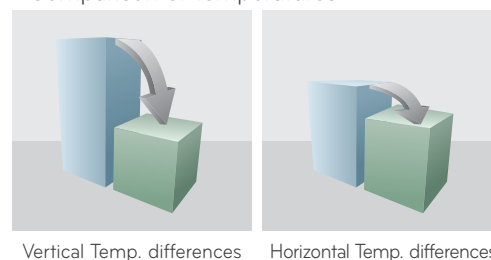


Swirl swing

Swirl swing distributes air evenly throughout the room to ensure a more comfortable air conditioned environment by adjusting the movement of the vane.

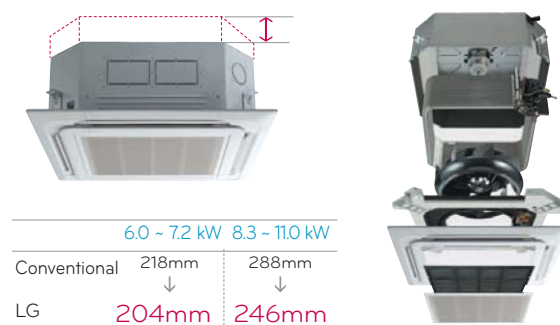


• Comparison of temperatures



Compact dimensions

The indoor unit is slim and compact. It has fewer restrictions which helps when installing the unit in different spaces.



One touch type panel

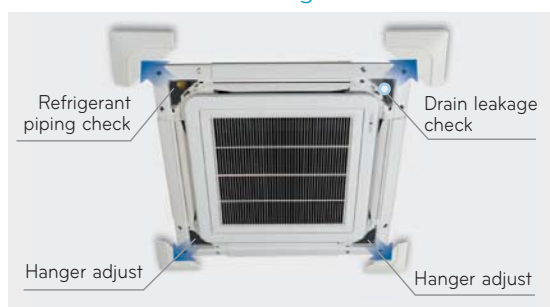
Provides easy installation with a one-touch detachable panel.



Convenient installation

Easy installation with detachable corner panels.

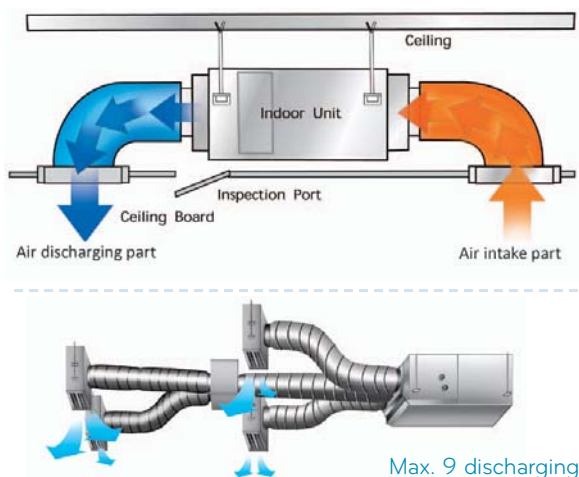
• Detachable corner design



Ceiling concealed duct

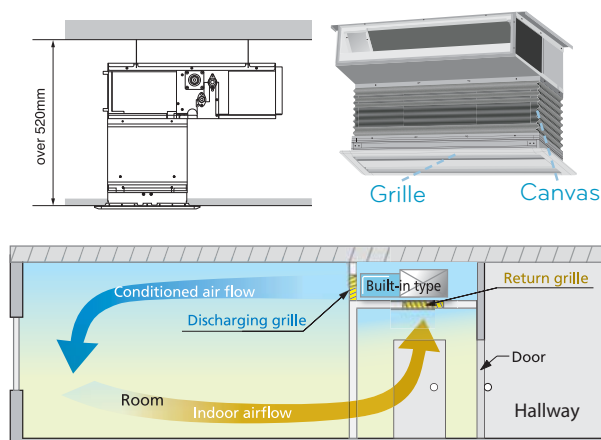
Application of ceiling concealed duct

It is possible to cool and warm each room by installing a chamber and a spiral duct.



Application of a built-in duct

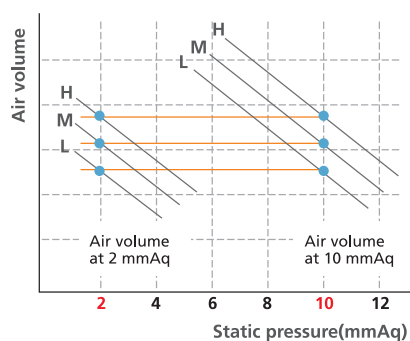
The built-in duct has no need for duct space when using the suction canvas and grille.



Linear E.S.P control

Using this technology you can:

- Optimise duct work installation
- Maintain capacity and sound level as desired
- Simplify model numbers



*E.S.P is easily controlled by remote controller

Ceiling and floor

Flexible installation

The ceiling and floor model can be installed either on the ceiling or at floor level. This means space can be saved when this unit is installed in shops or offices.

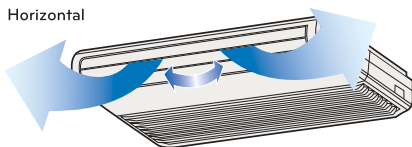


Airflow direction control

Horizontal air flow direction control

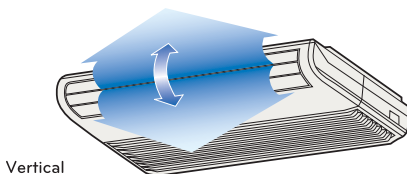
Adjust the horizontal airflow direction by manually moving the horizontal airflow direction louver by hand.

Horizontal



Vertical air flow direction control

The airflow direction can be adjusted as desired by using the remote controller.



Vertical

Floor standing

3-way flexible installation



It is possible to install and connect to the main piping run from all sides (side, back, floor)

Sliding type filter

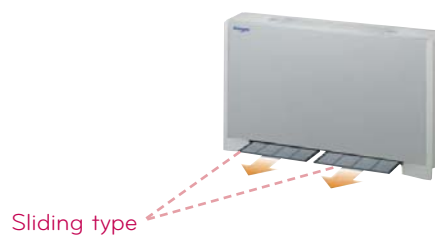
Easy to maintain and an extended product life by using the sliding antibiotic filter.



Antibiotic filter



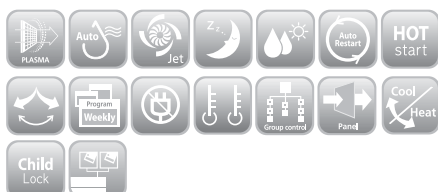
Easy cleaning



ARNU07GSF*1
ARNU09GSF*1
ARNU12GSF*1



Photo changeable



Specifications

Model	Unit	ARNU07GSF*1	ARNU09GSF*1	ARNU12GSF*1
Capacity	Cooling	kW	2.2	2.8
		Btu/h	7,500	9,600
	Heating	kW	2.5	3.2
		Btu/h	8,500	10,900
Power Input	Cooling	W	35	
	Heating	W	35	
Power Supply	Ø, V, Hz	1, 220~240, 50		
Dimensions(WxDxH)	mm	600x146x600		
Weight	kg	15		
Noise level	dBA±3	38 / 32 / 27		44 / 38 / 32
Air flow rate	H/M/L CMM	8.1 / 6.3 / 4.2		9.3 / 7.7 / 6.0
Plasma air purifying filter		✓		
Piping	Liquid	mm(inch)	Ø6.35(1/4)	
	Gas	mm(inch)	Ø12.7(1/2)	
Connection	Drain(ID)	mm	12.2	

Accessories

Model	ARNU07GSF*2	ARNU09GSF*2	ARNU12GSF*2
Dry Contact	Without case(1 contact point)	PQDSA	
	With case(1 contact point)	PQDSB/ PQDSB1	
	With case(2 contact point)	PQDSBC	

Wired remote controller					Wireless remote controller
Deluxe type PQRCUDSO*	Standard type PQRCVSLO	Standard type PQRCVSLOQW	Simple type PQRCVCLOQ(Black) PQRCVCLOQW(white)	Simple type for hotel PQRCHCAOQW(White) PQRCHCAOQ(Black)	PQWRHDF0

ART COOL MIRROR

ARNU07GSE*R
ARNU09GSE*R
ARNU12GSE*R
ARNU15GSE*R
ARNU18GS8*R
ARNU24GS8*R



Specifications

Model		Unit	ARNU07GSE*R	ARNU09GSE*R	ARNU12GSE*R	ARNU15GSE*R	ARNU18GS8*R	ARNU24GS8*R
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Heating	kW	2.5	3.2	4.0	5.0	6.3	8.0
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input	Cooling	W	40				35	
	Heating	W	40				35	
Power Supply		Ø, V, Hz	1, 220-240, 50					
Dimensions(WxDxH)		mm	915x165x282				1,107x200x299	
Weight		kg	11.2				15	
Noise level		dBA±3	37 / 33 / 23	39 / 35 / 25	41 / 36 / 27	42 / 36 / 27	37 / 34 / 31	43 / 37 / 32
Air flow rate	H/M/L	CMM	7 / 6 / 4	8 / 7 / 5	10 / 8 / 6	10.5 / 8 / 6	14.4 / 13 / 11	17.9 / 14.4 / 12
Plasma air purifying filter			√					
Piping	Liquid	mm(inch)	Ø6.35(1/4)				Ø9.52(3/8)	
	Gas	mm(inch)	Ø12.7(1/2)				Ø15.88(5/8)	
Connection	Drain(ID)	mm	16					

Accessories

Model	ARNU07GSE*2	ARNU09GSE*2	ARNU12GSE*2	ARNU15GSE*2	ARNU18GS8*2	ARNU24GS8*2
Dry Contact	Without case(1 contact point)	PQDSA				
	With case(1 contact point)	PQDSB/ PQDSB1				
	With case(2 contact point)	PQDSBC				

Wired remote controller					Wireless remote controller
Deluxe type PQRCUDSO*	Standard type PQRCVSLO	Standard type PQRCVSLOQW	Simple type PQRCVCLOQ(Black) PQRCVCLOQW(white)	Simple type for hotel PQRCHCAOQW(White) PQRCHCAOQ(Black)	PQWRHDF0

LIBERO

ARNU07GSBL2
ARNU09GSBL2
ARNU12GSBL2
ARNU15GSBL2
ARNU18GSCL2
ARNU24GSCL2



Specifications

Model		Unit	ARNU07GSBL2	ARNU09GSBL2	ARNU12GSBL2	ARNU15GSBL2	ARNU18GSCL2	ARNU24GSCL2
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	7,500	9,600	12,300	15,400	19100	24200
	Heating	kW	2.5	3.2	4	5	6.3	8
		Btu/h	8,500	10,900	13,600	17,100	21500	27300
Power Input	Cooling	W	40					
	Heating	W	40					
Power Supply		Ø, V, Hz	1, 220 ~240, 50					
Dimensions(WxDxH)		mm	885x210x285				1030x250x325	
Weight		kg	11				18	
Noise level		dBA±3	31/28/25	34/31/24	37/33/27	39/33/27	44/40/36	45/40/35
Air flow rate	H/M/L	CMM	5.6/5.0/4.6	7.0/6.5/6.0	9.5/9.0/8.5	10.5/9.0/8.5	16.2/14.2/12.3	20.4/17.0/13.2
Plasma air purifying filter			ø					
Piping Connection	Liquid	mm(inch)	ø6.35(1/4)					ø9.52(3/8)
	Gas	mm(inch)	ø12.7(1/2)					ø15.88(5/8)
Drain(ID)		mm	16					

Notes:

1. Capacities are based on the following conditions:

Cooling:	- Indoor temperature 27°C (80.6°F) DB /19°C (66.2°F) WB
	- Outdoor temperature 35°C (95°F) DB /24°C (75.2°F) WB
Heating:	- Indoor temperature 20°C (68°F) DB / 15°C(59°F) WB
	- Outdoor temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping length - Interconnecting piping length 7.5m
- Level difference of zero.

2. * : See combination tables at the back of the brochure.

Accessories

Model	ARNU07GSBL2	ARNU09GSBL2	ARNU12GSBL2	ARNU15GSBL2	ARNU18GSCL2	ARNU24GSCL2
Dry Contact	Without case(1 contact point)	PQDSA				
	With case(1 contact point)	PQDSB/ PQDSB1				
	With case(2 contact point)	PQDSBC				

Wired remote controller					Wireless remote controller
Deluxe type PQRCDU50*	Standard type PQRCSV50	Standard type PQRCSV50QW	Simple type PQRCSV50Q(Black) PQRCSV50QW(white)	Simple type for hotel PQRCHCAOQW(White) PQRCHCAOQ(Black)	PQRWHDFO

Wall Mounted

ARNU07GSEL2
ARNU09GSEL2
ARNU12GSEL2
ARNU15GSEL2
ARNU18GS5L2
ARNU24GS5L2



Specifications

Model		Unit	ARNU07GSEL2	ARNU09GSEL2	ARNU12GSEL2	ARNU15GSEL2	ARNU18GS5L2	ARNU24GS5L2
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Heating	kW	2.5	3.2	4.0	5.0	6.3	8.0
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input	Cooling	W	40					
	Heating	W	40					
Power Supply		Ø, V, Hz	1, 220~240, 50					
Dimensions(WxDxH)		mm	895x165x282				1090x178x300	
Weight		kg	9				12	
Noise level		dBA±3	37 / 33 / 23	39 / 35 / 25	41 / 36 / 27	42 / 36 / 27	44 / 40 / 36	46 / 41 / 38
Air flow rate	H/M/L	CMM	5.6 / 5 / 4.6	7 / 6.5 / 6	9.5 / 9 / 8.5	10.5 / 9 / 8.5	12 / 10.5 / 9	14 / 13 / 10
Plasma air purifying filter			√					
Piping Connection	Liquid	mm(inch)	Ø6.35(1/4)					Ø9.52(3/8)
	Gas	mm(inch)	Ø12.7(1/2)					Ø15.88(5/8)
Drain(ID)		mm	16					

Notes:

1. Capacities are based on the following conditions:

Cooling:	- Indoor temperature 27°C (80.6°F) DB /19°C (66.2°F) WB
	- Outdoor temperature 35°C (95°F) DB /24°C (75.2°F) WB
Heating:	- Indoor temperature 20°C (68°F) DB / 15°C(59°F) WB
	- Outdoor temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping length - Interconnecting piping length 7.5m
- Level difference of zero.

2. * : See combination tables at the back of the brochure.

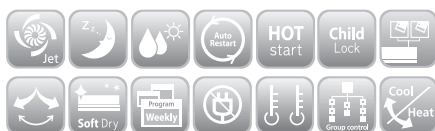
Accessories

Model	ARNU07GSEL2	ARNU09GSEL2	ARNU12GSEL2	ARNU15GSEL2	ARNU18GS5L2	ARNU24GS5L2
Dry Contact	Without case(1 contact point)	PQDSA				
	With case(1 contact point)	PQDSB/ PQDSB1				
	With case(2 contact point)	PQDSBC				

Wired remote controller					Wireless remote controller
Deluxe type PQRCUDSO*	Standard type PQRCVSLO	Standard type PQRCVSLOQW	Simple type PQRCVCLOQ(Black) PQRCVCLOQW(white)	Simple type for hotel PQRCHCAOQW(White) PQRCHCAOQ(Black)	PQWRHDF0

Console

ARNU07GQAA2
ARNU09GQAA2
ARNU12GQAA2
ARNU15GQAA2



Specifications

Model		Unit	ARNU07GQAA2	ARNU09GQAA2	ARNU12GQAA2	ARNU15GQAA2
Capacity	Cooling	kW	2.2	2.8	3.6	4.5
		Btu/h	7,500	9,600	12,300	15,400
	Heating	kW	2.5	3.2	4.0	5.0
		Btu/h	8,500	10,900	13,600	17,100
Power Input	Cooling	W	48			
	Heating	W	48			
Power Supply		Ø, V, Hz	1, 220 ~ 240, 50			
Dimensions(WxDxH)		mm	700x210x600			
Weight		kg	14			
Noise level		dBA±3	37/34/28		39/34/28	42/37/31
Air flow rate	H/M/L	CMM	6.7/5.9/4.8		7.5/5.9/4.8	8.7/6.7/5.9
Plasma air purifying filter			-			
Piping	Liquid	mm(inch)	Ø6.35(1/4)			
	Gas	mm(inch)	Ø12.7(1/2)			
Connection	Drain(ID)	mm	12.2			

Accessories

Model	ARNU07GQAA2	ARNU09GQAA2	ARNU12GQAA2	ARNU15GQAA2
Dry Contact	Without case(1 contact point)	PQDSA		
	With case(1 contact point)	PQDSB/ PQDSB1		
	With case(2 contact point)	PQDSBC		

Wired remote controller					Wireless remote controller
Deluxe type PQRCUDS0*	Standard type PQRCVSLO	Standard type PQRCVSLOQW	Simple type PQRCVCLOQ(Black) PQRCVCLOQW(white)	Simple type for hotel PQRCHCAOQW(White) PQRCHCAOQ(Black)	PQWRHDF0

4 Way Cassette

[570*570]

ARNU05GTRC2
ARNU07GTRC2
ARNU09GTRC2
ARNU12GTRC2
ARNU15GTQC2
ARNU18GTQC2



Specifications

Model		Unit	ARNU05GTRC2	ARNU07GTRC2	ARNU09GTRC2	ARNU12GTRC2	ARNU15GTQC2	ARNU18GTQC2
Capacity	Cooling	kW	1.6	2.2	2.8	3.6	4.5	5.6
		Btu/h	5,500	7,500	9,600	12,300	15,400	19,100
	Heating	kW	1.8	2.5	3.2	4.0	5.0	6.3
		Btu/h	6,100	8,500	10,900	13,600	17,100	21,500
Power Input	Cooling	W	30					
	Heating	W	30					
Power Supply		Ø, V, Hz	1, 220 ~ 240, 50					
Dimensions (WxDxH)	Body	mm	570 x 570 x 214				570 x 570 x 256	
	Front Panel	mm	700x700x22					
Weight	Body	kg	13.1		14.2		15.5	
	Front Panel	kg	3					
Panel Colour			Morning Fog					
Noise level		dBA±3	29 / 27 / 26		30 / 29 / 27	32 / 30 / 27	36 / 34 / 32	37 / 35 / 34
Air flow rate	H/M/L	CMM	7.5 / 7 / 6.6		8 / 7.5 / 7.1	8.7 / 8 / 7	11 / 10 / 9.3	11.2 / 11 / 10
Plasma air purifying filter			√					
Piping	Liquid	mm(inch)	Ø6.35(1/4)					
Connection	Gas	mm(inch)	Ø12.7(1/2)					
	Drain(ID)	mm	25					

Accessories

Model		ARNU05GTRC2	ARNU07GTRC2	ARNU09GTRC2	ARNU12GTRC2	ARNU15GTQC2	ARNU18GTQC2
Dry Contact	Without case(1 contact point)	PQDSA					
	With case(1 contact point)	PQDSB/ PQDSB1					
	With case(2 contact point)	PQDSBC					
Front panel		PT-UQC					

Wired remote controller					Wireless remote controller
Deluxe type PQRCDUSO*	Standard type PQRCSVLO	Standard type PQRCSVLOQW	Simple type PQRVCLOQ(Black) PQRVCLOQW(white)	Simple type for hotel PQRCHCAOQW(White) PQRCHCAOQ(Black)	PQWRHDF0

4 Way Cassette

[840*840]

ARNU24GTPC2
ARNU28GTPC2
ARNU36GTNC2
ARNU42GTMC2
ARNU48GTMC2



Specifications

Model		Unit	ARNU24GTPC2	ARNU28GTPC2	ARNU36GTNC2	ARNU42GTMC2	ARNU48GTMC2
Capacity	Cooling	kW	7.1	8.2	10.6	12.3	14.1
		Btu/h	24,200	28,000	36,200	42,000	48,100
	Heating	kW	8.0	9.2	11.9	13.8	15.9
		Btu/h	27,300	31,500	40,600	43,800	51,200
Power Input	Cooling	W	33			144	
	Heating	W	33			144	
Power Supply		Ø, V, Hz	1, 220 ~ 240, 50				
Dimensions (WxDxH)	Body	mm	840x840x204		840x840x246	840x840x288	
	Front Panel	mm			950x950x25		
Weight	Body	kg	20.8		23.5	25.6	
	Front Panel	kg			5		
Panel Colour			Morning Fog				
Noise level		dBA±3	36 / 34 / 31	39 / 35 / 33	43 / 40 / 37	44 / 41 / 38	46 / 43 / 41
Air flow rate	H/M/L	CMM	17 / 15 / 13	19 / 16 / 14	25 / 21 / 19	30 / 27 / 24	31 / 29 / 27
Plasma air purifying filter			✓				
Piping	Liquid	mm(inch)	Ø9.52(3/8)				
Connection	Gas	mm(inch)	Ø15.88(5/8)				
	Drain(ID)	mm	25				

Accessories

Model	ARNU24GTPC2	ARNU28GTPC2	ARNU36GTNC2	ARNU42GTMC2	ARNU48GTMC2
Dry Contact	Without case(1 contact point)		PQDSA		
	With case(1 contact point)		PQDSB / PQDSB1		
	With case(2 contact point)		PQDSBC		
Front panel			PT-UMC		
Auto Elevation Grille			PTEGMO		
Ventilation Kit			PTVK410 / PTVK420 / PTVK 430		

Wired remote controller					Wireless remote controller
Deluxe type PQRCDU50*	Standard type PQRCSVLO	Standard type PQRCSVLOQW	Simple type PQRVCLOQ(Black) PQRVCLOQW(white)	Simple type for hotel PQRCHCAOQ(White) PQRCHCAOQ(Black)	PQWRHDF0

2 Way Cassette

ARNU18GTLC2
ARNU24GTLC2



Specifications

Model	Unit	ARNU18GTLC2	ARNU24GTLC2
Capacity	Cooling	kW	5.6
		Btu/h	19,100
	Heating	kW	6.3
		Btu/h	21,500
Power Input	Cooling	W	70
	Heating	W	70
Power Supply	Ø, V, Hz	1, 220 ~ 240, 50	
Dimensions (WxDxH)	Body	mm	830x550x225
	Front Panel	mm	1050x640x28
Weight	Body	kg	22
	Front Panel	kg	4.5
Panel Colour		Morning Fog	
Noise level	dBA±3	40/36/32	42/38/34
Air flow rate	H/M/L	CMM	13 / 12 / 10
Plasma air purifying filter		✓	
Piping	Liquid	mm(inch)	Ø6.35(1/4)
	Gas	mm(inch)	Ø12.7(1/2)
Connection	Drain(ID)	mm	25

Accessories

Model	ARNU18GTLC2	ARNU24GTLC2
Dry Contact	Without case(1 contact point)	PQDSA
	With case(1 contact point)	PQDSB/ PQDSB1
	With case(2 contact point)	PQDSBC
Front panel	PT-HLC	

Wired remote controller					Wireless remote controller
Deluxe type PQRUCDSO*	Standard type PQRVCVSL0	Standard type PQRVCVSL0QW	Simple type PQRVCVCL0Q(Black) PQRVCVCL0QW(white)	Simple type for hotel PQRCHCAOQW(White) PQRCHCAOQ(Black)	PQWRHDF0

1 Way Cassette

ARNU07GTUC2
ARNU09GTUC2
ARNU12GTUC2
ARNU18GTTC2
ARNU24GTTC2



Grill Type



Specifications

Model		Unit	ARNU07GTUC2	ARNU09GTUC2	ARNU12GTUC2	ARNU18GTTC2	ARNU24GTTC2
Capacity	Cooling	kW	2.2	2.8	3.6	5.6	7.1
		Btu/h	7,500	9,600	12,300	19,100	24,200
	Heating	kW	2.5	3.2	4.0	6.3	7.1
		Btu/h	8,500	10,900	13,600	21,500	24,200
Power Input	Cooling	W	40			70	
	Heating	W	40			70	
Power Supply		Ø, V, Hz	1, 220~240, 50				
Dimensions (WxDxH)	Body	mm	860x450x132			1,180x450x132	
	Front Panel	mm	1,100x500x34			1,420x500x34	
Weight	Body	kg	14.7			18.7	
	Front Panel	kg	4.4			5.5	
Panel Colour			White				
Noise level		dBA±3	32 / 29 / 25	35 / 34 / 32	38 / 35 / 32	40 / 37 / 35	43 / 40 / 36
Air flow rate	H/M/L	CMM	8.2 / 7.3 / 6.4	9.2 / 8.6 / 8.2	10 / 9.2 / 8.2	13.3/12.1/10.9	14.6 / 13.3 / 11.5
Plasma air purifying filter			√				
Piping	Liquid	mm(inch)	Ø6.35(1/4)				Ø9.52(3/8)
Connection	Gas	mm(inch)	Ø12.7(1/2)				Ø15.88(5/8)
	Drain(ID)	mm	25				

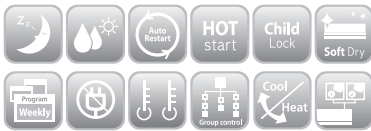
Accessories

Model	ARNU07GTUC2	ARNU09GTUC2	ARNU12GTUC2	ARNU18GTTC2	ARNU24GTTC2
Dry Contact	Without case(1 contact point)	PQDSA			PQDSA
	With case(1 contact point)	PQDSB/ PQDSB1			PQDSB/ PQDSB1
	With case(2 contact point)	PQDSBC			PQDSBC
Front panel		PT-UUC			PT-UTC

Wired remote controller					Wireless remote controller
					
Deluxe type PQRCDU50*	Standard type PQRCVSLO	Standard type PQRCVSLOQW	Simple type PQRCVCLOQ(Black) PQRCVCLOQW(white)	Simple type for hotel PQRCHCAOQW(White) PQRCHCAOQ(Black)	PQWRHDF0

Low Static Duct

ARNU07GB1G2
ARNU09GB1G2
ARNU12GB1G2
ARNU15GB1G2
ARNU18GB2G2
ARNU24GB2G2



Specifications

Model		Unit	ARNU07GB1G2	ARNU09GB1G2	ARNU12GB1G2	ARNU15GB1G2	ARNU18GB2G2	ARNU24GB2G2
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Heating	kW	2.5	3.2	4.0	5.0	6.3	8.0
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input	Cooling	W	30				80	
	Heating	W	30				80	
Power Supply		Ø, V, Hz	1, 220 ~ 240, 50					
Dimensions(WxDxH)		mm	820x575x190				1100x575x190	
Weight		kg	21				26	
Noise level		dBA±3	29 / 26 / 24	31 / 29 / 26	33 / 30 / 29	34 / 33 / 31	40 / 37 / 34	43 / 40 / 37
E.S.P range		mmAq	0~4					
Air flow rate	H/M/L	CMM	8.5 / 7.5 / 6.5	9.5 / 8.5 / 7.5	10.5 / 9.5 / 8.5	11.5 / 10.5 / 9.5	16 / 14 / 12	19 / 17 / 15
Plasma air purifying filter			-					
Piping Connection	Liquid	mm(inch)	Ø6.35(1/4)					Ø9.52(3/8)
	Gas	mm(inch)	Ø12.7(1/2)					Ø15.88(5/8)
	Drain(ID)	mm	25.4					

Accessories

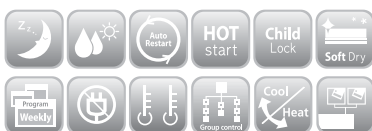
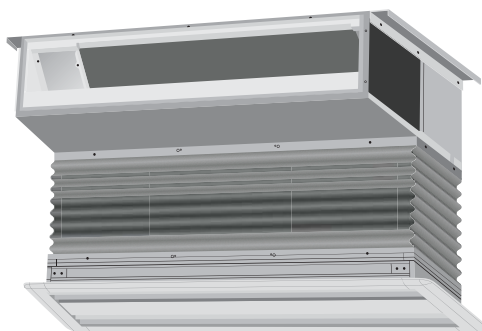
Model	ARNU07GB1G2	ARNU09GB1G2	ARNU12GB1G2	ARNU15GB1G2	ARNU18GB2G2	ARNU24GB2G2
Dry Contact	Without case(1 contact point)	PQDSA				
	With case(1 contact point)	PQDSB/ PQDSB1				
	With case(2 contact point)	PQDSBC				

Wired remote controller					Wireless remote controller*
Deluxe type PQRUCDSO*	Standard type PQRCSLO	Standard type PQRCSLOQW	Simple type PQRVCLOQ(Black) PQRVCLOQW(white)	Simple type for hotel PQRCHCAOQW(White) PQRCHCAOQ(Black)	PQWRHDF0

*Only when used in conjunction with a wired remote.

Built-in Duct

ARNU07GB3G2
ARNU09GB3G2
ARNU12GB3G2
ARNU15GB3G2
ARNU18GB4G2
ARNU24GB4G2



Specifications

Model		Unit	ARNU07GB3G2	ARNU09GB3G2	ARNU12GB3G2	ARNU15GB3G2	ARNU18GB4G2	ARNU24GB4G2
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Heating	kW	2.5	3.2	4.0	5.0	6.3	8.0
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input	Cooling	W	30					80
	Heating	W	30					80
Power Supply		Ø, V, Hz	1, 220~ 240, 50					
Dimensions(WxDxH)		mm	820x575x190					1100x575x190
Suction grille (WxDxH)			910x359x56					1188x359x56
Suction canvas (WxHxD)			821x274x(42~250)					1100x274x(42~250)
Weight		kg	21					26
Noise level		dBA±3	33 / 32 / 29	34/33/32	35 / 34 / 33	41 / 40 / 37	43 / 40 / 37	46 / 43 / 37
E.S.P range		mmAq	0~4					
Air flow rate	H/M/L	CMM	8 / 6.5 / 5.5	9 / 7 / 6	10 / 8 / 6.5	11 / 10 / 8	14 / 12 / 10	17 / 15 / 10
Plasma air purifying filter			-					
Piping	Liquid	mm(inch)	Ø6.35(1/4)					Ø9.52(3/8)
Connection	Gas	mm(inch)	Ø12.7(1/2)					Ø15.88(5/8)
	Drain(ID)	mm	25.4					

Accessories

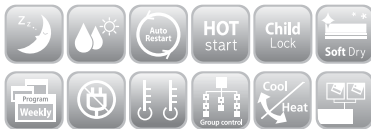
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Dry Contact	Without case(1 contact point)	PQDSA				
	With case(1 contact point)	PQDSB/ PQDSB1				
	With case(2 contact point)	PQDSBC				
Suction Grille		PBSGB30			PBSGB40	
Suction Canvas		PBSC30			PBSC40	

Wired remote controller					Wireless remote controller*
					
Deluxe type PQRCDU50*	Standard type PQRCSVLO	Standard type PQRCSVLOQW	Simple type PQRCSVLOQ(Black) PQRCSVLOQW(white)	Simple type for hotel PQRCHCAOQW(White) PQRCHCAOQ(Black)	PQRWRHDF0

*Only when used in conjunction with a wired remote.

High Static Duct

ARNU07GBHA2
ARNU09GBHA2
ARNU12GBHA2
ARNU15GBHA2
ARNU18GBHA2
ARNU24GBHA2



Specifications

Model		Unit	ARNU07GBHA2	ARNU09GBHA2	ARNU12GBHA2	ARNU15GBHA2	ARNU18GBHA2	ARNU24GBHA2
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Heating	kW	2.5	3.2	4.0	5.0	6.3	8.0
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input	Cooling	W	150					
	Heating	W	150					
Power Supply		Ø, V, Hz	1, 220 ~240, 50					
Dimensions(WxDxH)		mm	882x450x260					
Weight		kg	26					26.5
Noise level		dBA±3	34 / 33 / 32	35 / 34 / 33	37 / 35 / 34	39 / 37 / 34	40 / 38 / 37	42 / 41 / 40
E.S.P range		mmAq	3~12					
Air flow rate	H/M/L	CMM	8.5 / 7.5 / 6	10 / 8.5 / 7.5	12 / 10 / 8.5	13.5 / 12 / 8.5	15.5 / 13.5 / 12.4	18.3 / 16.9 / 15.5
Plasma air purifying filter			-					
Piping Connection	Liquid	mm(inch)	Ø6.35(1/4)					
	Gas	mm(inch)	Ø12.7(1/2)					
	Drain(ID)	mm	25					

Accessories

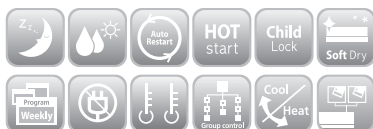
Model	ARNU07GBHA2	ARNU09GBHA2	ARNU12GBHA2	ARNU15GBHA2	ARNU18GBHA2	ARNU24GBHA2
Dry Contact	Without case(1 contact point)	PQDSA				
	With case(1 contact point)	PQDSB/ PQDSB1				
	With case(2 contact point)	PQDSBC				

Wired remote controller					Wireless remote controller*
Deluxe type PQRUCDSO*	Standard type PQRVCVLSLO	Standard type PQRVCVLSLOQW	Simple type PQRVCVLSLOQ(Black) PQRVCVLSLOQW(white)	Simple type for hotel PQRCHCAOQW(White) PQRCHCAOQ(Black)	PQWRHDF0

*Only when used in conjunction with a wired remote.

High Static Duct

ARNU28GBGA2
ARNU36GBGA2
ARNU42GBGA2
ARNU48GBRA2
URNU76GB8A2
URNU96GB8A2



Specifications

Model		Unit	ARNU28GBGA2	ARNU36GBGA2	ARNU42GBGA2	ARNU48GBRA2	URNU76GB8A2	URNU96GB8A2
Capacity	Cooling	kW	8.2	10.6	12.3	14.1	22.4	28.0
		Btu/h	28,000	36,200	42,000	48,100	76,400	95,900
	Heating	kW	9.2	11.9	13.8	15.9	25.2	31.5
		Btu/h	31,500	40,600	43,800	51,200	86,000	107,500
Power Input	Cooling	W	450				800	
	Heating	W	450				800	
Power Supply		Ø, V, Hz	1, 220 ~240, 50					
Dimensions(WxDxH)		mm	1182x450x298			1230x590x380	1562x688x460	
Weight		kg	38			53	87	
Noise level		dBA±3	42 / 41 / 40	44 / 43 / 42	45 / 44 / 44	44 / 42 / 41	50 / 48 / 48	52 / 50 / 50
E.S.P range		mmAq	5-16			5-20	6-25	
Air flow rate	H/M/L	CMM	25.9 / 24.1 / 21.8	32.3 / 29 / 25.3	34.5 / 32.3 / 30.7	44.8 / 40.6 / 33.3	60 / 50 / 50	72 / 64 / 64
Plasma air purifying filter			-					
Piping	Liquid	mm(inch)	Ø9.52(3/8)					
Connection	Gas	mm(inch)	Ø15.88(5/8)				Ø19.05(3/4)	Ø22.2(7/8)
	Drain(ID)	mm	25					

Accessories

Model	ARNU28GBGA2	ARNU36GBGA2	ARNU42GBGA2	ARNU48GBRA2	URNU76GB8A2	URNU96GB8A2
Dry Contact	Without case(1 contact point)	PQDSA				
	With case(1 contact point)	PQDSB/ PQDSB1				
	With case(2 contact point)	PQDSBC				

Wired remote controller					Wireless remote controller*
					
Deluxe type PQRUCDS0*	Standard type PQRVCSLO	Standard type PQRVCSLOQW	Simple type PQRVCLOQ(Black) PQRVCLOQW(white)	Simple type for hotel PQRCHCAQW(White) PQRCHCAQ(Black)	PQWRHDF0

*Only when used in conjunction with a wired remote.

Ceiling and Floor

ARNU09GVEA2
ARNU12GVEA2



Specifications

Model		Unit	ARNU09GVEA2	ARNU12GVEA2
Capacity	Cooling	kW	2.8	3.6
		Btu/h	9,600	12,300
	Heating	kW	3.2	4.0
		Btu/h	10,900	13,600
Power Input	Cooling	W	30	
	Heating	W	30	
Power Supply		Ø, V, Hz	1, 220 ~ 240, 50	
Dimensions(WxDxH)		mm	900x200x490	
Weight		kg	13.7	
Noise level		dBA±3	36 / 32 / 28	
Air flow rate	H/M/L	CMM	7.6 / 6.9 / 6.2	
Plasma air purifying filter			-	
Piping	Liquid	mm(inch)	Ø6.35(1/4)	
Connection	Gas	mm(inch)	Ø12.7(1/2)	
	Drain(ID)	mm	16	

Accessories

Model		ARNU09GVEA2	ARNU12GVEA2
Dry Contact	Without case(1 contact point)	PQDSA	
	With case(1 contact point)	PQDSB/ PQDSB1	
	With case(2 contact point)	PQDSBC	

Wired remote controller					Wireless remote controller
Deluxe type PQRCUDSO*	Standard type PQRCVSLO	Standard type PQRCVSLOQW	Simple type PQRCVCLOQ(Black) PQRCVCLOQW(white)	Simple type for hotel PQRCHCAOQW(White) PQRCHCAOQ(Black)	PQWRHDF0

Suspended Ceiling

URNU18GVJA2
URNU24GVJA2



Specifications

Model		Unit	URNU18GVJA2	URNU24GVJA2
Capacity	Cooling	kW	5.6	7.1
		Btu/h	19,100	24,200
	Heating	kW	6.3	8.0
		Btu/h	21,500	27,300
Power Input	Cooling	W	63	
	Heating	W	63	
Power Supply		Ø, V, Hz	1, 220~240, 50	
Dimensions(WxDxH)		mm	950x220x650	
Weight		kg	24.6	
Noise level		dBA±3	42 / 40 / 37	43 / 41 / 39
Air flow rate		H/M/L	16 / 14 / 12	18 / 16 / 14
Plasma air purifying filter			-	
Piping	Liquid	mm(inch)	Ø6.35(1/4)	Ø9.52(3/8)
	Gas	mm(inch)	Ø12.7(1/2)	Ø15.88(5/8)
Connection		Drain(ID)	16	

Accessories

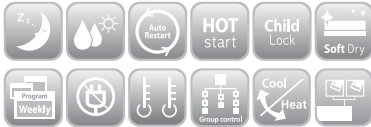
Model		URNU18GVJA2	URNU24GVJA2
Dry Contact	Without case(1 contact point)	PQDSA	
	With case(1 contact point)	PQDSB/ PQDSB1	
	With case(2 contact point)	PQDSBC	

Wired remote controller					Wireless remote controller
Deluxe type PQRCUDSO*	Standard type PQRCVSLO	Standard type PQRCVSLOQW	Simple type PQRCVCLOQ(Black) PQRCVCLOQW(white)	Simple type for hotel PQRCHCAOQW(White) PQRCHCAOQ(Black)	PQWRHDF0

Floor Standing

with Case

ARNU07GCEA2
ARNU09GCEA2
ARNU12GCEA2
ARNU15GCEA2
ARNU18GCFA2
ARNU24GCFA2



Specifications

Model		Unit	ARNU07GCEA2	ARNU09GCEA2	ARNU12GCEA2	ARNU15GCEA2	ARNU18GCFA2	ARNU24GCFA2
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Heating	kW	2.5	3.2	4.0	5.0	6.3	8.0
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input	Cooling	W	30				80	
	Heating	W	30				80	
Power Supply		Ø, V, Hz	1, 220~240, 50					
Dimensions(WxDxH)		mm	1067x203x635				1345x203x635	
Weight		kg	27				34	
Noise level		dBA±3	35 / 33 / 31	36 / 34 / 32	37 / 35 / 33	38 / 37 / 35	40 / 37 / 34	43 / 40 / 37
Air flow rate	H/M/L	CMM	8.5 / 7.5 / 6.5	9.5 / 8.5 / 7.5	10.5 / 9.5 / 8.5	11.5 / 10 / 9.5	16 / 14 / 12	18 / 16 / 14
Plasma air purifying filter			-					
Piping	Liquid	mm(inch)	Ø6.35(1/4)				Ø9.52(3/8)	
Connection	Gas	mm(inch)	Ø12.7(1/2)				Ø15.88(5/8)	
	Drain(ID)	mm	12					

Accessories

Model	ARNU07GCEA2	ARNU09GCEA2	ARNU12GCEA2	ARNU15GCEA2	ARNU18GCFA2	ARNU24GCFA2
Dry Contact	Without case(1 contact point)	PQDSA				
	With case(1 contact point)	PQDSB/ PQDSB1				
	With case(2 contact point)	PQDSBC				

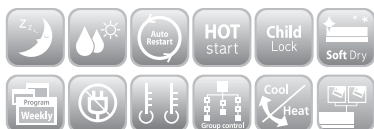
Wired remote controller					Wireless remote controller*
Deluxe type PQRCUDSO*	Standard type PQRCVSLO	Standard type PQRCVSLOQW	Simple type PQRCVCLOQ(Black) PQRCVCLOQW(white)	Simple type for hotel PQRCHCAOQW(White) PQRCHCAOQ(Black)	PQWRHDF0

*Only when used in conjunction with a wired remote.

Floor Standing

without Case

ARNU07GCEU2
ARNU09GCEU2
ARNU12GCEU2
ARNU15GCEU2
ARNU18GCFU2
ARNU24GCFU2



Specifications

Model		Unit	ARNU07GCEU2	ARNU09GCEU2	ARNU12GCEU2	ARNU15GCEU2	ARNU18GCFU2	ARNU24GCFU2
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Heating	kW	2.5	3.2	4.0	5.0	6.3	8.0
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input	Cooling	W	30				80	
	Heating	W	30				80	
Power Supply		Ø, V, Hz	1, 220-240, 50					
Dimensions(WxDxH)		mm	978x190x639				1256x190x639	
Weight		kg	20				27	
Noise level		dBA±3	35 / 33 / 31	36 / 34 / 32	37 / 35 / 33	38 / 37 / 35	40 / 37 / 34	43 / 40 / 37
Air flow rate	H/M/L	CMM	8.5 / 7.5 / 6.5	9.5 / 8.5 / 7.5	10.5 / 9.5 / 8.5	11.5 / 10 / 9.5	16 / 14 / 12	18 / 16 / 14
Plasma air purifying filter			-					
Piping	Liquid	mm(inch)	Ø6.35(1/4)					Ø9.52(3/8)
Connection	Gas	mm(inch)	Ø12.7(1/2)					Ø15.88(5/8)
	Drain(ID)	mm	12					

Accessories

Model	ARNU07GCEU2	ARNU09GCEU2	ARNU12GCEU2	ARNU15GCEU2	ARNU18GCFU2	ARNU24GCFU2
Dry Contact	Without case(1 contact point)	PQDSA				
	With case(1 contact point)	PQDSB/ PQDSB1				
	With case(2 contact point)	PQDSBC				

Wired remote controller					Wireless remote controller*
Deluxe type PQRCUDSO*	Standard type PQRCVSLO	Standard type PQRCVSLOQW	Simple type PQRCVCLOQ(Black) PQRCVCLOQW(white)	Simple type for hotel PQRCHCAOQW(White) PQRCHCAOQ(Black)	PQWRHDF0

*Only when used in conjunction with a wired remote.

Feature

- High Efficiency Heat Exchanger
- Interlocking with MULTI V
- Humidification function
- BLDC Fan motor
- Linear E.S.P Control by remote controller

Energy Recovery Ventilator with DX Coil



Specifications

Item		Unit	LZ-H050GXH0	LZ-H080GXH0	LZ-H100GXH0	LZ-H050GXN0	LZ-H080GXN0	LZ-H100GXN0
Fresh air conditioning load	Cooling	kW	4.93	7.46	9.12	4.93	7.46	9.12
	Heating	kW	6.73	9.80	11.72	6.73	9.80	11.72
Temperature exchange efficiency	SH/H/L	%	86/86/87	84/84/86	82/82/84	86/86/87	84/84/86	82/82/84
Enthalpy exchange efficiency	Cooling SH/H/L	%	68/68/69	64/64/66	60/60/63	68/68/69	64/64/66	60/60/63
	Heating SH/H/L	%	76/76/77	74/74/76	71/71/73	76/76/77	74/74/76	71/71/73
Air flow rate	Heat exchange mode SH/H/L	CMH	500/500/440	800/800/640	1000/1000/820	500/500/440	800/800/640	1000/1000/820
	Bypass mode SH/H/L	CMH	500/500/440	800/800/640	1000/1000/820	500/500/440	800/800/640	1000/1000/820
Fan	External static pressure SH/H/L	Pa	160/120/100	140/90/70	110/70/60	180/150/110	170/120/80	150/100/70
Humidifier	System		Natural evaporating Type			-		
	Amount	kg/h	2.7	4	5.4	-		
	Feed water pressure	MPa	0.02~0.49	0.02~0.49	0.02~0.49	-		
Noise Level	Heat Exchange mode	dB(A)	38/36/33	39/37/34	40/38/35	39/37/35	41/38/36	41/39/36
	Bypass mode	dB(A)	39/37/34	40/38/35	40/38/35	39/37/35	41/38/36	41/39/36
Refrigerant			R410A					
Power Supply		ØV/Hz	1,220~240,50					
Power input (nominal)	Heat exchange mode SH/H/L	kW	0.25/0.2/0.15	0.42/0.35/0.25	0.48/0.42/0.27	0.25/0.2/0.15	0.42/0.35/0.25	0.48/0.42/0.27
	Bypass mode SH/H/L	kW	0.25/0.2/0.15	0.42/0.35/0.25	0.48/0.42/0.27	0.25/0.2/0.15	0.42/0.35/0.25	0.48/0.42/0.27
Nominal Running current (RLA)	Heat exchange mode SH/H/L	A	1.5/1.3/1	2.5/2/1.5	3.6/3.2/2.3	1.5/1.3/1	2.5/2/1.5	3.6/3.2/2.3
	Bypass mode SH/H/L	A	1.5/1.3/1	2.5/2/1.5	3.6/3.2/2.3	1.5/1.3/1	2.5/2/1.5	3.6/3.2/2.3
Dimensions	HxWxD	mm	365x1667x1140					
Weight (Net)		kg	105			98		
Pipe connections	Liquid	mm				Ø6.35		
	Gas	mm				Ø12.7		
	Water	mm	Ø6.35			-		
	Drain	mm				Ø25.4		
Connection duct diameter		mm	Ø250					
Remote Controller			PQRCVSL0 / PQRCVSLQW					
Dry Contact (1 contact point)			PQDSB / PQDSB1					
Dry Contact (2 contac point)			PQDSBC					

Notes:

1. Noise level :

- The operating conditions are assumed to be standard.
- Sound measured at 1.5m below the center the body.
- Sound level will vary depending on a range of factors such as the construction(acoustic absorption coefficient) of particular room in which the equipment is installed.



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