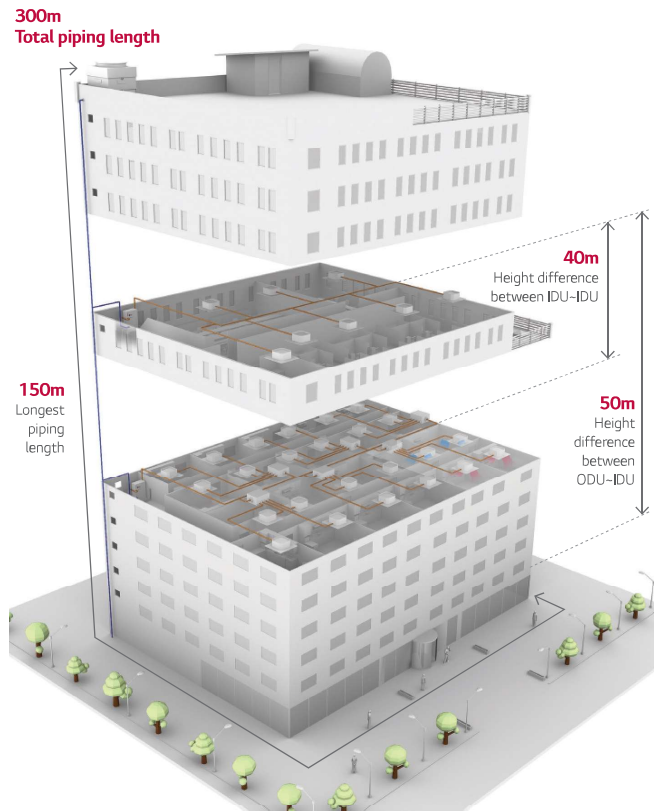
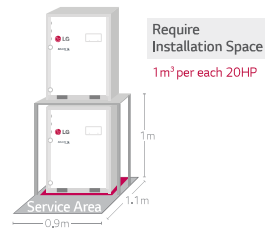


OUTDOOR UNIT

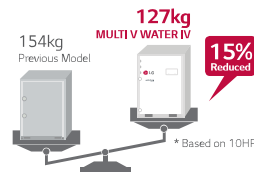
MULTI V WATER IV Heat Pump / Heat recovery



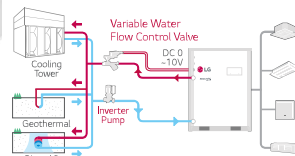
1. Compact Size



2. Light Weight



3. Variable Water Flow Control Kit



Benefit

- Saves valuable floor space
- Low noise level (no fans)
- Flexible design applications
- High efficient water source system

Application

- Large scale office
- Commercial building using geothermal / Water supply
- Luxurious residential building



Superior Efficiency via Integration of Smart Technologies

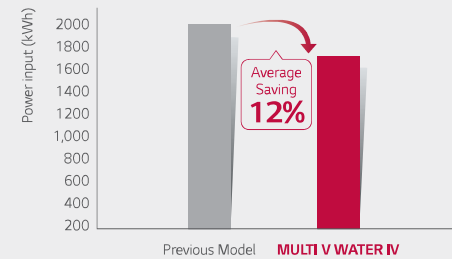
Today's businesses demand highly efficient temperature control solutions, capable of providing optimal energy savings without sacrificing performance. When it comes to cooling and heating a multi-storey or high-rise building, water cooled HVAC systems have become the solution of choice. Offering several performance enhancements and greater installation versatility, LG's MULTI V WATER IV combines intelligent functions with advanced inverter technology, boosting both energy efficiency and operational range. This superior water cooled system significantly improves return on investment (ROI) with a stellar 5.9 coefficient of performance (COP) and an equally impressive independent part load value (IPLV) of *6.73.

Along with outstanding energy efficiency, the new solution comes with a range of truly smart features, including optimized cycle composition and smart control. For ease of installation and better economy of space, MULTI V WATER IV is both lighter in weight and smaller in overall size. LG, a leading innovator in HVAC technologies, will continue to develop and manufacture high performance, energy efficient solutions for the benefit of its growing global customer-base.

* Based on the tested by 10HP model : ARWN100LAS4

Economical, Highly Efficient System

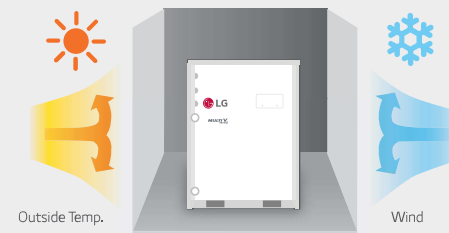
Adopting a water-based cooling method, this unit optimizes performance in comparison to compressor capacity. It also ensures heat exchange performance for high-rise buildings, thus allowing electrical-savings.



Source :
LG Energy Estimate Program (LEEP)
simulation data-5th floor building in Paris, France

High Efficiency System Regardless of External Conditions

Regardless of outdoor temperature and other environmental conditions, MULTI V WATER IV is the optimal solution for high-rise buildings.

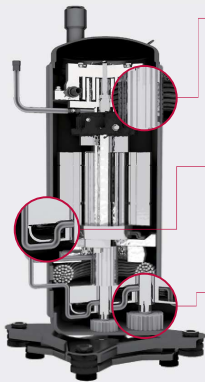
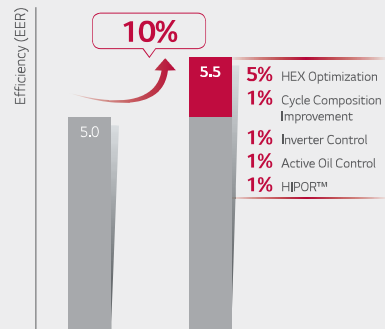


EFFICIENCY

Designed to maximize energy efficiency for high-rise building

LG's 4th Generation Inverter Compressor

With a fourth generation inverter compressor, the MULTI V WATER IV boasts top-class energy efficiency.



- Extended Compressor Speed 20Hz - 140Hz**
 - Rapid operation response
 - Capable of reaching required temperature quickly
 - Increase part load efficiency
- HiPOR™ (High Pressure Oil Return)**
 - Eliminating loss in suction gas by returning oil directly to compressor
 - Resolve compressor efficiency loss caused by oil return
- Smart Oil Return**
 - Oil recovery occurs only when required
 - Enhanced compressor reliability & user comfort

Previous Model MULTI V WATER IV

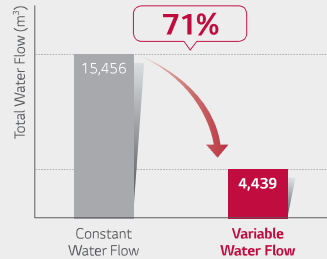
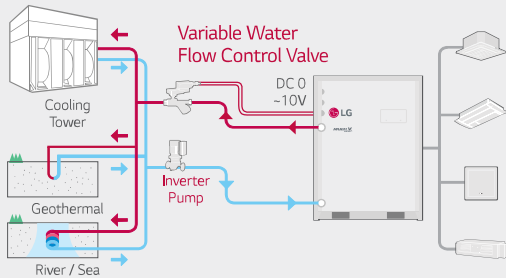
* Comparison between 10HP in cooling mode

Variable Water Flow Control Kit (Option)

The world's first variable water flow control system for water cooled VRF system.

LG applied variable water flow control system to reduce circulation pump energy consumption, by controlling embedded kit.

- Adjust water flow by pressure control after connecting PCB in the existing MULTI V Water Outdoor unit



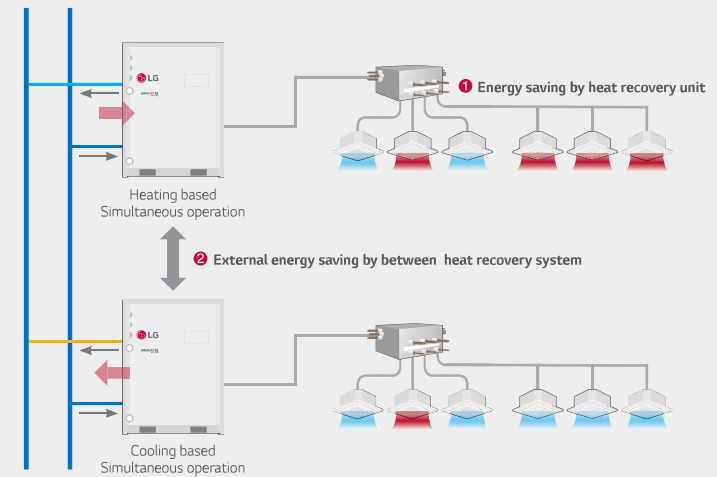
Note
 1. Location: France
 2. Total operation time: 1,344hr
 3. Indoor temperature: normal office environment
 4. Outdoor temperature: average summer temperature
 5. Inlet flow temperature: approximately 30°C

PERFORMANCE

Stable performance and long life are ensured irrespective of environmental changes, in addition to high-speed cooling and heating

Minimizing Energy Input

Through water sourced heat recovery system, minimizing not only outside unit power input but also external energy input such as cooling tower and boiler.



Largest Capacity

Providing 8~20 HP with single unit, and up to the world's largest capacity 80HP by combination.

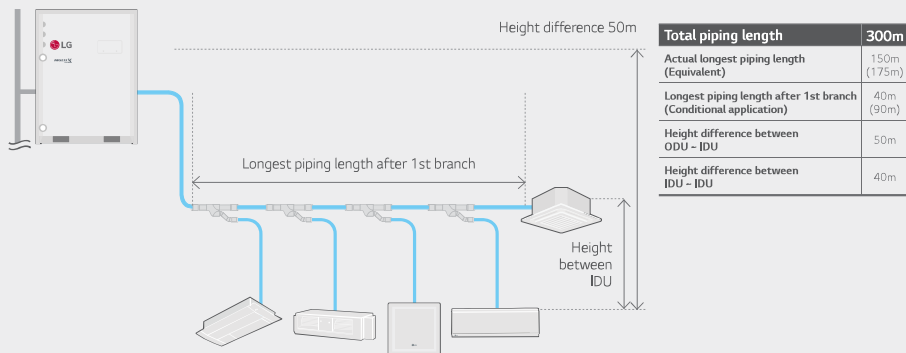
Line up (HP)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42-60	62-80	
LG							1 Unit						2 Units					3 Units	4 Units	
Company B	1 Unit					2 Unit				3 Unit										
Company C	1 Unit						2 Unit			3 Unit										

FLEXIBLE DESIGN

Easy design with the most convenient features

Longest Piping Length

Provide flexible installation up to 300m of total piping length.
As water pipes are not connected to indoor units, users are free from leakage problems.

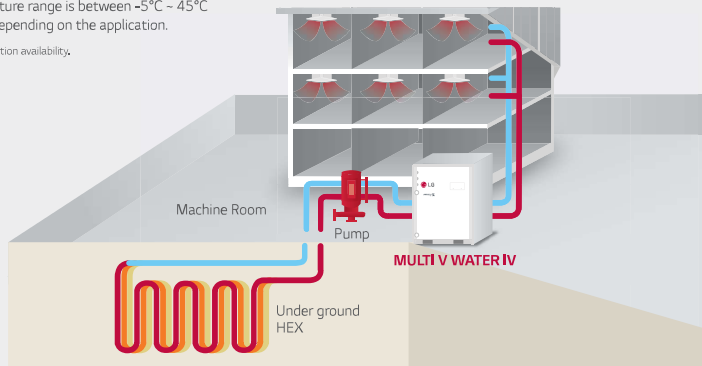


MULTI V WATER IV System for Geothermal Applications

Uses underground heat sources such as soil, ground water, lake, river, etc. as renewable energy for cooling and Heating of a building. Water or antifreeze solution is circulated through the closed loop HDPE(High Density Poly-Ethylene) pipes buried beneath the earth's surface. It is a highly efficient and eco-friendly MULTI V system.

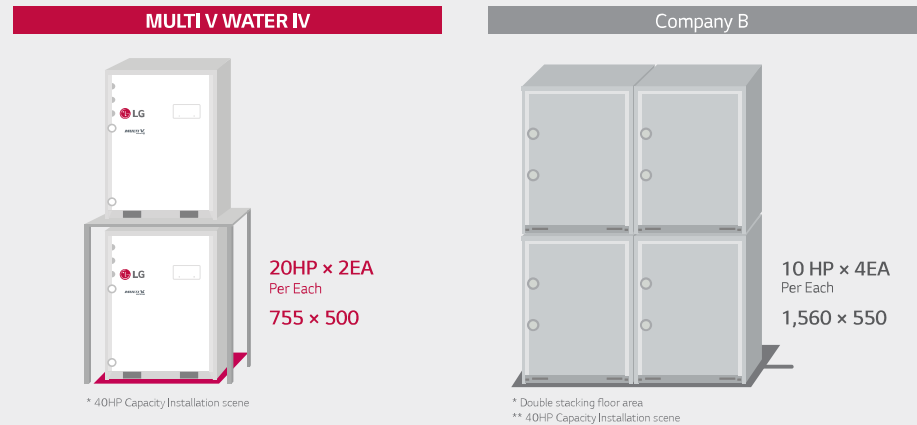
- The Circulating water temperature range is between -5°C ~ 45°C
- Antifreeze should be applied depending on the application.

* Please contact local LG office for application availability.



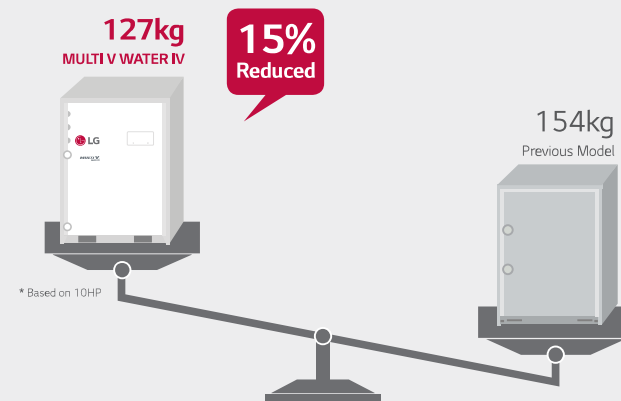
Compact Size

The optimal design of the compact, lightweight outdoor unit enables double stacking, which results in 50% savings in installation space.



Light Weight

Easier to transport and install thanks to 13% reduction in unit size and 15% reduction in overall weight.



MULTI V™ WATER IV

ARWN080LAS4 / ARWN100LAS4 / ARWN120LAS4



HP			8	10	12
Model	Combination Unit		ARWN080LAS4	ARWN100LAS4	ARWN120LAS4
	Independent Unit		ARWN080LAS4	ARWN100LAS4	ARWN120LAS4
Capacity	Cooling	Nom kW	22,4	28,0	33,6
	Heating	Nom kW	25,2	31,5	37,8
Power Input	Cooling	Nom kW	3,86	5,09	6,46
	Heating	Nom kW	4,20	5,34	6,75
EER	Cooling		5,80	5,50	5,20
COP	Heating		6,00	5,90	5,60
ESEER			7,77	7,71	7,26
Operation Range	Cooling	Min - Max °C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C
	Heating	Min - Max °C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor		1	1	1
Sound Pressure	Cooling	Nom dBA	47	50	56
	Heating	Nom dBA	51	53	56
Sound Power	Cooling	Nom dBA	59	62	68
	Heating	Nom dBA	63	65	68
Dimensions	W x H x D	mm	(755 × 997 × 500) × 1	(755 × 997 × 500) × 1	(755 × 997 × 500) × 1
Net Weight		kg	127 x 1	127 x 1	127 x 1
Refrigerant	Type		R410A	R410A	R410A
	Charge	kg	5,8	5,8	5,8
Refrigerant Oil	Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Control	cc	1,800	1,800	1,800
Power Supply	Ø / V / Hz		3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60
Transmission Cable (VCTF-SB)	No. x mm²		2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5
Piping Length	Total	Max m	300	300	300
	Actual Longest Piping Length	Max m	150	150	150
	After 1st Y branch	Max m	40	40	40
Piping Level Difference	IDU - ODU	Max m	50	50	50
	IDU - IDU	Max m	40	40	40
Piping Connection	Liquid	mm (inch)	9,52 (3/8)	9,52 (3/8)	12,7 (1/2)
	Gas	mm (inch)	22,2 (7/8)	22,2 (7/8)	25,4 (1)
Number of Outdoor Units			1	1	1
Number of Connectable Indoor Units	Max		20	25	30
Ratio of the Connectable Indoor Units	Min - Max		50 - 200%	50 - 200%	50 - 200%
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Pressure Resistance	Max kgf / cm²	45	45	45
	Rated Water Flow	L / min	77	96	116
	Head Loss	kPa	11	16	22
Water Connection pipe	Inlet	mm	PT 40	PT 40	PT 40
	Outlet	mm	PT 40	PT 40	PT 40
	Drain Outlet	mm	20	20	20

* This product contains Fluorinated Greenhouse Gases, (R410A)
 Note: 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, Water inlet temp. 30°C (86°F), Interconnecting piping length 7.5m, Level difference of zero - Heating: Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside units is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V™ WATER IV

ARWN140LAS4 / ARWN160LAS4
ARWN180LAS4 / ARWN200LAS4



HP			14	16	18	20
Model	Combination Unit		ARWN140LAS4	ARWN160LAS4	ARWN180LAS4	ARWN200LAS4
	Independent Unit		ARWN140LAS4	ARWN160LAS4	ARWN180LAS4	ARWN200LAS4
Capacity	Cooling	Nom kW	39,2	44,8	50,4	56,0
	Heating	Nom kW	44,1	50,4	56,7	63,0
Power Input	Cooling	Nom kW	7,84	8,15	9,69	11,20
	Heating	Nom kW	8,17	8,54	10,13	11,67
EER	Cooling		5,00	5,50	5,20	5,00
COP	Heating		5,40	5,90	5,60	5,40
ESEER			6,96	7,18	7,10	7,02
Operation Range	Cooling	Min - Max °C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C
	Heating	Min - Max °C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor		1	1	1	1
Sound Pressure	Cooling	Nom dBA	58	53	55	54
	Heating	Nom dBA	57	57	56	60
Sound Power	Cooling	Nom dBA	70	65	67	66
	Heating	Nom dBA	69	69	68	72
Dimensions	W x H x D	mm	(755 × 997 × 500) × 1	(755 × 997 × 500) × 1	(755 × 997 × 500) × 1	(755 × 997 × 500) × 1
Net Weight		kg	127 x 1	140 x 1	140 x 1	140 x 1
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	kg	5,8	3,0	3,0	3,0
Refrigerant Oil	Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Control	cc	1,800	1,800	1,800	1,800
Power Supply	Ø / V / Hz		3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60
Transmission Cable (VCTF-SB)	No. x mm²		2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5
Piping Length	Total	Max m	300	300	300	300
	Actual Longest Piping Length	Max m	150	150	150	150
	After 1st Y branch	Max m	40	40	40	40
Piping Level Difference	IDU - ODU	Max m	50	50	50	50
	IDU - IDU	Max m	40	40	40	40
Piping Connection	Liquid	mm (inch)	12,7 (1/2)	12,7 (1/2)	12,7 (1/2)	12,7 (1/2)
	Gas	mm (inch)	25,4 (1)	28,58 (1-1/8)	28,58 (1-1/8)	28,58 (1-1/8)
Number of Outdoor Units			1	1	1	1
Number of Connectable Indoor Units	Max		35	40	45	50
Ratio of the Connectable Indoor Units	Min - Max		50 - 200%	50 - 200%	50 - 200%	50 - 200%
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Pressure Resistance	Max kgf / cm²	45	45	45	45
	Rated Water Flow	L / min	135	154	173	192
	Head Loss	kPa	29	20	25	31
Water Connection pipe	Inlet	mm	PT 40	PT 40	PT 40	PT 40
	Outlet	mm	PT 40	PT 40	PT 40	PT 40
	Drain Outlet	mm	20	20	20	20

* This product contains Fluorinated Greenhouse Gases, (R410A)
 Note: 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, Water inlet temp. 30°C (86°F), Interconnecting piping length 7.5m, Level difference of zero - Heating: Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside units is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V™ WATER IV

ARWN220LAS4 / ARWN240LAS4



HP	22			24		
Model	Combination Unit		ARWN220LAS4	ARWN240LAS4		
	Independent Unit		ARWN120LAS4	ARWN120LAS4		
			ARWN100LAS4	ARWN120LAS4		
Capacity	Cooling	Nom	kW	61,6	67,2	
	Heating	Nom	kW	69,3	75,6	
Power Input	Cooling	Nom	kW	11,55	12,92	
	Heating	Nom	kW	12,09	13,50	
EER	Cooling			5,33	5,20	
COP	Heating			5,73	5,60	
ESEER				7,34	7,21	
Operation Range	Cooling	Min - Max	°C DB	10°C - 45°C		
	Heating	Min - Max	°C WB	-5°C - 45°C		
Compressor	Type			Hermetically Sealed Scroll	Hermetically Sealed Scroll	
	Number of Compressor			2	2	
Sound Pressure	Cooling	Nom	dBA	57	57	
	Heating	Nom	dBA	57	57	
Sound Power	Cooling	Nom	dBA	70	70	
	Heating	Nom	dBA	70	70	
Dimensions	W x H x D	mm		(755 x 997 x 500) x 2	(755 x 997 x 500) x 2	
Net Weight		kg		127 x 2	127 x 2	
Refrigerant	Type			R410A	R410A	
	Charge	kg		5,8 + 5,8	5,8 + 5,8	
Refrigerant Oil	Type			FVC68D (PVE)	FVC68D (PVE)	
	Control	cc		3,600	3,600	
Power Supply		Ø / V / Hz		3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	
Transmission Cable (VCTF-SB)		No. x mm ²		2C x 1,0-1,5	2C x 1,0-1,5	
Piping Length	Total	Max	m	300	300	
	Actual Longest Piping Length	Max	m	150	150	
	After 1st Y branch	Max	m	40	40	
Piping Level Difference	IDU - ODU	Max	m	50	50	
	IDU - IDU	Max	m	40	40	
Piping Connection	Liquid	mm (inch)		19,05 (3/4)	19,05 (3/4)	
	Gas	mm (inch)		34,9 (1-3/8)	34,9 (1-3/8)	
Number of Outdoor Units				2	2	
Number of Connectable Indoor Units	Max			44	48	
Ratio of the Connectable Indoor Units	Min - Max			50 - 160%	50 - 160%	
Heat Exchanger	Type			Stainless Steel Plate	Stainless Steel Plate	
	Pressure Resistance	Max	kgf / cm ²	45	45	
	Rated Water Flow	L / min		116 + 96	116 + 116	
	Head Loss	kPa		22 + 16	22 + 22	
Water Connection pipe	Inlet	mm		PT 40 + PT 40	PT 40 + PT 40	
	Outlet	mm		PT 40 + PT 40	PT 40 + PT 40	
	Drain Outlet	mm		20	20	

* This product contains Fluorinated Greenhouse Gases, (R410A)

Note: 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, Water inlet temp, 30°C (86°F), Interconnecting piping length 7,5m, Level difference of zero - Heating: Indoor temp, 20°C (68°F) DB, Water inlet temp, 20°C (68°F)

2. Capacities are net capacities

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

4. Add an anti freeze to circulation water when outside units is operating under 1.0°C (50°F), and change the DIP switch on main PCB, (For more information on installation section.)

MULTI V™ WATER IV

ARWN260LAS4 / ARWN280LAS4



HP	26			28		
Model	Combination Unit		ARWN260LAS4	ARWN280LAS4		
	Independent Unit		ARWN140LAS4	ARWN140LAS4		
			ARWN120LAS4	ARWN140LAS4		
Capacity	Cooling	Nom	kW	72,8	78,4	
	Heating	Nom	kW	81,9	88,2	
Power Input	Cooling	Nom	kW	14,30	15,68	
	Heating	Nom	kW	14,92	16,34	
EER	Cooling			5,09	5,00	
COP	Heating			5,49	5,40	
ESEER				7,11	7,02	
Operation Range	Cooling	Min - Max	°C DB	10°C - 45°C		
	Heating	Min - Max	°C WB	-5°C - 45°C		
Compressor	Type			Hermetically Sealed Scroll	Hermetically Sealed Scroll	
	Number of Compressor			2	2	
Sound Pressure	Cooling	Nom	dBA	59	59	
	Heating	Nom	dBA	58	58	
Sound Power	Cooling	Nom	dBA	72	72	
	Heating	Nom	dBA	71	71	
Dimensions	W x H x D	mm		(755 x 997 x 500) x 2	(755 x 997 x 500) x 2	
Net Weight		kg		127 x 2	127 x 2	
Refrigerant	Type			R410A	R410A	
	Charge	kg		5,8 + 5,8	5,8 + 5,8	
Refrigerant Oil	Type			FVC68D (PVE)	FVC68D (PVE)	
	Control	cc		3,600	3,600	
Power Supply		Ø / V / Hz		3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	
Transmission Cable (VCTF-SB)		No. x mm ²		2C x 1,0-1,5	2C x 1,0-1,5	
Piping Length	Total	Max	m	300	300	
	Actual Longest Piping Length	Max	m	150	150	
	After 1st Y branch	Max	m	40	40	
Piping Level Difference	IDU - ODU	Max	m	50	50	
	IDU - IDU	Max	m	40	40	
Piping Connection	Liquid	mm (inch)		19,05 (3/4)	19,05 (3/4)	
	Gas	mm (inch)		34,9 (1-3/8)	34,9 (1-3/8)	
Number of Outdoor Units				2	2	
Number of Connectable Indoor Units	Max			52	56	
Ratio of the Connectable Indoor Units	Min - Max			50 - 160%	50 - 160%	
Heat Exchanger	Type			Stainless Steel Plate	Stainless Steel Plate	
	Pressure Resistance	Max	kgf / cm ²	45	45	
	Rated Water Flow	L / min		135 + 116	135 + 135	
	Head Loss	kPa		29 + 22	29 + 29	
Water Connection pipe	Inlet	mm		PT 40 + PT 40	PT 40 + PT 40	
	Outlet	mm		PT 40 + PT 40	PT 40 + PT 40	
	Drain Outlet	mm		20	20	

* This product contains Fluorinated Greenhouse Gases, (R410A)

Note: 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, Water inlet temp, 30°C (86°F), Interconnecting piping length 7,5m, Level difference of zero - Heating: Indoor temp, 20°C (68°F) DB, Water inlet temp, 20°C (68°F)

2. Capacities are net capacities

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

4. Add an anti freeze to circulation water when outside units is operating under 1.0°C (50°F), and change the DIP switch on main PCB, (For more information on installation section.)

MULTI V™ WATER IV

ARWN300LAS4 / ARWN320LAS4 / ARWN340LAS4



HP	30			32			34		
Model	Combination Unit			ARWN300LAS4	ARWN320LAS4	ARWN340LAS4			
	Independent Unit			ARWN160LAS4	ARWN180LAS4	ARWN200LAS4			
				ARWN140LAS4	ARWN140LAS4	ARWN140LAS4			
Capacity	Cooling	Nom	kW	84,0	89,5	95,2			
	Heating	Nom	kW	94,5	100,8	107,1			
Power Input	Cooling	Nom	kW	15,99	17,53	19,04			
	Heating	Nom	kW	16,71	18,30	19,84			
EER	Cooling			5,25	5,11	5,00			
COP	Heating			5,66	5,51	5,40			
ESEER				7,12	7,07	7,01			
Operation Range	Cooling	Min - Max	°C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C			
	Heating	Min - Max	°C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C			
Compressor	Type			Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll			
	Number of Compressor			2	2	2			
Sound Pressure	Cooling	Nom	dBA	59	59	59			
	Heating	Nom	dBA	58	58	61			
Sound Power	Cooling	Nom	dBA	72	72	72			
	Heating	Nom	dBA	71	71	74			
Dimensions	W x H x D	mm		(755 x 997 x 500) x 2	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2			
Net Weight			kg	(127 x 1) + (140 x 1)	(127 x 1) + (140 x 1)	(127 x 1) + (140 x 1)			
Refrigerant	Type			R410A	R410A	R410A			
	Charge	kg		3,0 + 5,8	3,0 + 5,8	3,0 + 5,8			
Refrigerant Oil	Type			FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)			
	Control	cc		3,600	3,600	3,600			
Power Supply	Ø / V / Hz			3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60			
Transmission Cable (VCTF-SB)			No. x mm ²	2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5			
Piping Length	Total	Max	m	300	300	300			
	Actual Longest Piping Length	Max	m	150	150	150			
	After 1st Y branch	Max	m	40	40	40			
Piping Level Difference	IDU - ODU	Max	m	50	50	50			
	IDU - IDU	Max	m	40	40	40			
Piping Connection	Liquid	mm (inch)		19,05 (3/4)	19,05 (3/4)	19,05 (3/4)			
	Gas	mm (inch)		34,9 (1-3/8)	34,9 (1-3/8)	34,9 (1-3/8)			
Number of Outdoor Units			Max	2	2	2			
Number of Connectable Indoor Units			Max	60	64	64			
Ratio of the Connectable Indoor Units			Min - Max	50 - 160%	50 - 160%	50 - 160%			
Heat Exchanger	Type			Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate			
	Pressure Resistance	Max	kgf / cm ²	45	45	45			
	Rated Water Flow	L / min		154 + 135	173 + 135	192 + 135			
	Head Loss	kPa		20 + 29	25 + 29	31 + 29			
Water Connection pipe	Inlet	mm		PT 40 + PT 40	PT 40 + PT 40	PT 40 + PT 40			
	Outlet	mm		PT 40 + PT 40	PT 40 + PT 40	PT 40 + PT 40			
	Drain Outlet	mm		20	20	20			

* This product contains Fluorinated Greenhouse Gases, (R410A)

Note: 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, Water inlet temp. 30°C (86°F), Interconnecting piping length 7,5m, Level difference of zero - Heating: Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)

2. Capacities are net capacities

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

4. Add an anti freeze to circulation water when outside units is operating under 1.0°C (50°F), and change the DIP switch on main PCB, (For more information on installation section.)

MULTI V™ WATER IV

ARWN360LAS4 / ARWN380LAS4 / ARWN400LAS4



HP	36			38			40		
Model	Combination Unit			ARWN360LAS4	ARWN380LAS4	ARWN400LAS4			
	Independent Unit			ARWN180LAS4	ARWN200LAS4	ARWN200LAS4			
				ARWN180LAS4	ARWN180LAS4	ARWN200LAS4			
Capacity	Cooling	Nom	kW	100,8	106,4	112,0			
	Heating	Nom	kW	113,4	119,7	126,0			
Power Input	Cooling	Nom	kW	19,38	20,89	22,40			
	Heating	Nom	kW	20,26	21,80	23,34			
EER	Cooling			5,20	5,09	5,00			
COP	Heating			5,60	5,49	5,40			
ESEER				7,11	7,06	7,01			
Operation Range	Cooling	Min - Max	°C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C			
	Heating	Min - Max	°C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C			
Compressor	Type			Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll			
	Number of Compressor			2	2	2			
Sound Pressure	Cooling	Nom	dBA	56	56	55			
	Heating	Nom	dBA	57	61	61			
Sound Power	Cooling	Nom	dBA	69	69	68			
	Heating	Nom	dBA	70	74	74			
Dimensions	W x H x D	mm		(755 x 997 x 500) x 2	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2			
Net Weight			kg	140 x 2	140 x 2	140 x 2			
Refrigerant	Type			R410A	R410A	R410A			
	Charge	kg		3,0 + 3,0	3,0 + 3,0	3,0 + 3,0			
Refrigerant Oil	Type			FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)			
	Control	cc		3,600	3,600	3,600			
Power Supply	Ø / V / Hz			3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60			
Transmission Cable (VCTF-SB)			No. x mm ²	2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5			
Piping Length	Total	Max	m	300	300	300			
	Actual Longest Piping Length	Max	m	150	150	150			
	After 1st Y branch	Max	m	40	40	40			
Piping Level Difference	IDU - ODU	Max	m	50	50	50			
	IDU - IDU	Max	m	40	40	40			
Piping Connection	Liquid	mm (inch)		19,05 (3/4)	19,05 (3/4)	19,05 (3/4)			
	Gas	mm (inch)		41,3 (1-5/8)	41,3 (1-5/8)	41,3 (1-5/8)			
Number of Outdoor Units			Max	2	2	2			
Number of Connectable Indoor Units			Max	64	64	64			
Ratio of the Connectable Indoor Units			Min - Max	50 - 160%	50 - 160%	50 - 160%			
Heat Exchanger	Type			Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate			
	Pressure Resistance	Max	kgf / cm ²	45	45	45			
	Rated Water Flow	L / min		173 + 173	192 + 173	192 + 192			
	Head Loss	kPa		25 + 25	31 + 25	31 + 31			
Water Connection pipe	Inlet	mm		PT 40 + PT 40	PT 40 + PT 40	PT 40 + PT 40			
	Outlet	mm		PT 40 + PT 40	PT 40 + PT 40	PT 40 + PT 40			
	Drain Outlet	mm		20	20	20			

* This product contains Fluorinated Greenhouse Gases, (R410A)

Note: 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, Water inlet temp. 30°C (86°F), Interconnecting piping length 7,5m, Level difference of zero - Heating: Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)

2. Capacities are net capacities

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

4. Add an anti freeze to circulation water when outside units is operating under 1.0°C (50°F), and change the DIP switch on main PCB, (For more information on installation section.)

MULTI V™ WATER IV

ARWN420LAS4 / ARWN440LAS4 / ARWN460LAS4
ARWN480LAS4 / ARWN500LAS4



HP				42	44	46	48	50
Model	Combination Unit			ARWN420LAS4	ARWN440LAS4	ARWN460LAS4	ARWN480LAS4	ARWN500LAS4
	Independent Unit			ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
				ARWN120LAS4	ARWN120LAS4	ARWN140LAS4	ARWN140LAS4	ARWN160LAS4
				ARWN100LAS4	ARWN120LAS4	ARWN120LAS4	ARWN140LAS4	ARWN140LAS4
Capacity	Cooling	Nom	kW	117,6	123,2	128,8	134,4	140,0
	Heating	Nom	kW	132,3	138,6	144,9	151,2	157,5
Power Input	Cooling	Nom	kW	22,75	24,12	25,50	26,88	27,19
	Heating	Nom	kW	23,76	25,17	26,59	28,01	28,38
EER	Cooling	5,17 5,11 5,05 5,00 5,15						
COP	Heating	5,57 5,51 5,45 5,40 5,55						
ESEER	7,18 7,12 7,06 7,01 7,07							
Operation Range	Cooling	Min - Max	°C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C
	Heating	Min - Max	°C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C
Compressor	Type			Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor			3	3	3	3	3
Sound Pressure	Cooling	Nom	dB(A)	58	58	60	60	60
	Heating	Nom	dB(A)	62	62	62	62	62
Sound Power	Cooling	Nom	dB(A)	72	72	74	74	74
	Heating	Nom	dB(A)	76	76	76	76	76
Dimensions	W x H x D			mm (755 × 997 × 500) × 3 (755 × 997 × 500) × 3 (755 × 997 × 500) × 3 (755 × 997 × 500) × 3 (755 × 997 × 500) × 3				
Net Weight	kg			(140 × 1) + (127 × 2) (140 × 1) + (127 × 2) (140 × 1) + (127 × 2) (140 × 1) + (127 × 2) (140 × 2) + (127 × 1)				
Refrigerant	Type			R410A R410A R410A R410A R410A				
	Charge			kg 3,0 + 5,8 + 5,8 3,0 + 5,8 + 5,8 3,0 + 5,8 + 5,8 3,0 + 5,8 + 5,8 3,0 + 3,0 + 5,8				
Refrigerant Oil	Type			FVC68D (PVE) FVC68D (PVE) FVC68D (PVE) FVC68D (PVE) FVC68D (PVE)				
	Control			cc 5,400 5,400 5,400 5,400 5,400				
Power Supply	Ø / V / Hz			3 / 380-415 / 50, 60 3 / 380-415 / 50, 60 3 / 380-415 / 50, 60 3 / 380-415 / 50, 60 3 / 380-415 / 50, 60				
Transmission Cable (VCTF-SB)	No. x mm ²			2C × 1,0-1,5 2C × 1,0-1,5 2C × 1,0-1,5 2C × 1,0-1,5 2C × 1,0-1,5				
Piping Length	Total	Max	m	300 300 300 300 300				
	Actual Longest Piping Length After 1st Y branch	Max	m	150 150 150 150 150				
Piping Level Difference	IDU - ODU	Max	m	40 40 40 40 40				
	IDU - IDU	Max	m	50 50 50 50 50				
Piping Connection	Liquid	mm (inch)	19,05 (3/4) 19,05 (3/4) 19,05 (3/4) 19,05 (3/4) 19,05 (3/4)					
	Gas	mm (inch)	41,3 (1-5/8) 41,3 (1-5/8) 41,3 (1-5/8) 41,3 (1-5/8) 41,3 (1-5/8)					
Number of Outdoor Units	Max			3 3 3 3 3				
Number of Connectable Indoor Units	Max			64 64 64 64 64				
Ratio of the Connectable Indoor Units	Min - Max			50 - 130% 50 - 130% 50 - 130% 50 - 130% 50 - 130%				
Heat Exchanger	Type			Stainless Steel Plate Stainless Steel Plate Stainless Steel Plate Stainless Steel Plate Stainless Steel Plate				
	Pressure Resistance	Max	kgf / cm ²	45 45 45 45 45				
	Rated Water Flow	L / min	192 + 116 + 96 192 + 116 + 116 192 + 135 + 116 192 + 135 + 135 192 + 154 + 135					
Water Connection pipe	Head Loss	kPa	31 + 22 + 16 31 + 22 + 22 31 + 29 + 22 31 + 29 + 29 31 + 20 + 29					
	Inlet	mm	PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40					
Water Connection pipe	Outlet	mm	PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40					
	Drain Outlet	mm	20 20 20 20 20					

* This product contains Fluorinated Greenhouse Gases, (R410A)
 Note: 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, Water inlet temp, 30°C (86°F), Interconnecting piping length 7,5m, Level difference of zero - Heating: Indoor temp, 20°C (68°F) DB, Water inlet temp, 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside units is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V™ WATER IV

ARWN520LAS4 / ARWN540LAS4 / ARWN560LAS4
ARWN580LAS4 / ARWN600LAS4



HP				52	54	56	58	60
Model	Combination Unit			ARWN520LAS4	ARWN540LAS4	ARWN560LAS4	ARWN580LAS4	ARWN600LAS4
	Independent Unit			ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
				ARWN180LAS4	ARWN200LAS4	ARWN180LAS4	ARWN200LAS4	ARWN200LAS4
				ARWN140LAS4	ARWN140LAS4	ARWN180LAS4	ARWN180LAS4	ARWN200LAS4
Capacity	Cooling	Nom	kW	145,6	151,2	156,8	162,4	168,0
	Heating	Nom	kW	163,8	170,1	176,4	182,7	189,0
Power Input	Cooling	Nom	kW	28,73	30,24	30,58	32,09	33,60
	Heating	Nom	kW	29,97	31,51	31,93	33,47	35,01
EER	Cooling	5,07 5,00 5,13 5,06 5,00						
COP	Heating	5,47 5,40 5,52 5,46 5,40						
ESEER	7,04 7,01 7,07 7,04 7,01							
Operation Range	Cooling	Min - Max	°C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C
	Heating	Min - Max	°C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C
Compressor	Type			Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor			3	3	3	3	3
Sound Pressure	Cooling	Nom	dB(A)	60	60	57	57	56
	Heating	Nom	dB(A)	62	62	62	62	62
Sound Power	Cooling	Nom	dB(A)	74	74	71	71	70
	Heating	Nom	dB(A)	76	76	76	76	76
Dimensions	W x H x D			mm (755 × 997 × 500) × 3 (755 × 997 × 500) × 3 (755 × 997 × 500) × 3 (755 × 997 × 500) × 3 (755 × 997 × 500) × 3				
Net Weight	kg			(140 × 2) + (127 × 1) (140 × 2) + (127 × 1) 140 × 3 140 × 3 140 × 3				
Refrigerant	Type			R410A R410A R410A R410A R410A				
	Charge			kg 3,0 + 3,0 + 5,8 3,0 + 3,0 + 5,8 3,0 + 3,0 + 3,0 3,0 + 3,0 + 3,0 3,0 + 3,0 + 3,0				
Refrigerant Oil	Type			FVC68D (PVE) FVC68D (PVE) FVC68D (PVE) FVC68D (PVE) FVC68D (PVE)				
	Control			cc 5,400 5,400 5,400 5,400 5,400				
Power Supply	Ø / V / Hz			3 / 380-415 / 50, 60 3 / 380-415 / 50, 60 3 / 380-415 / 50, 60 3 / 380-415 / 50, 60 3 / 380-415 / 50, 60				
Transmission Cable (VCTF-SB)	No. x mm ²			2C × 1,0-1,5 2C × 1,0-1,5 2C × 1,0-1,5 2C × 1,0-1,5 2C × 1,0-1,5				
Piping Length	Total	Max	m	300 300 300 300 300				
	Actual Longest Piping Length After 1st Y branch	Max	m	150 150 150 150 150				
Piping Level Difference	IDU - ODU	Max	m	40 40 40 40 40				
	IDU - IDU	Max	m	50 50 50 50 50				
Piping Connection	Liquid	mm (inch)	19,05 (3/4) 19,05 (3/4) 19,05 (3/4) 19,05 (3/4) 19,05 (3/4)					
	Gas	mm (inch)	41,3 (1-5/8) 41,3 (1-5/8) 41,3 (1-5/8) 41,3 (1-5/8) 41,3 (1-5/8)					
Number of Outdoor Units	Max			3 3 3 3 3				
Number of Connectable Indoor Units	Max			64 64 64 64 64				
Ratio of the Connectable Indoor Units	Min - Max			50 - 130% 50 - 130% 50 - 130% 50 - 130% 50 - 130%				
Heat Exchanger	Type			Stainless Steel Plate Stainless Steel Plate Stainless Steel Plate Stainless Steel Plate Stainless Steel Plate				
	Pressure Resistance	Max	kgf / cm ²	45 45 45 45 45				
	Rated Water Flow	L / min	192 + 173 + 135 192 + 192 + 135 192 + 173 + 173 192 + 192 + 173 192 + 192 + 192					
Water Connection pipe	Head Loss	kPa	31 + 25 + 29 31 + 31 + 29 31 + 25 + 25 31 + 31 + 25 31 + 31 + 31					
	Inlet	mm	PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40					
Water Connection pipe	Outlet	mm	PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40 PT 40 + PT 40 + PT 40					
	Drain Outlet	mm	20 20 20 20 20					

* This product contains Fluorinated Greenhouse Gases, (R410A)
 Note: 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, Water inlet temp, 30°C (86°F), Interconnecting piping length 7,5m, Level difference of zero - Heating: Indoor temp, 20°C (68°F) DB, Water inlet temp, 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside units is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)



ARWN620LAS4 / ARWN640LAS4 / ARWN660LAS4
ARWN680LAS4 / ARWN700LAS4



HP			62	64	66	68	70
Model	Combination Unit		ARWN620LAS4	ARWN640LAS4	ARWN660LAS4	ARWN680LAS4	ARWN700LAS4
	Independent Unit		ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN120LAS4	ARWN120LAS4	ARWN140LAS4	ARWN140LAS4	ARWN160LAS4
			ARWN100LAS4	ARWN120LAS4	ARWN120LAS4	ARWN140LAS4	ARWN140LAS4
Capacity	Cooling	Nom kW	173.6	179.2	184.8	190.4	196.0
	Heating	Nom kW	195.3	201.6	207.9	214.2	220.5
Power Input	Cooling	Nom kW	33.95	35.32	36.70	38.08	38.99
	Heating	Nom kW	35.43	36.84	38.26	39.68	40.05
EER	Cooling		5.11	5.07	5.04	5.00	5.11
COP	Heating		5.51	5.47	5.43	5.40	5.51
ESEER			7.12	7.08	7.04	7.01	7.05
Operation Range	Cooling	Min - Max °C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C
	Heating	Min - Max °C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor		4	4	4	4	4
Sound Pressure	Cooling	Nom dBA	59	59	61	61	61
	Heating	Nom dBA	63	63	63	63	63
Sound Power	Cooling	Nom dBA	73	73	75	75	75
	Heating	Nom dBA	77	77	77	77	77
Dimensions	W x H x D mm		(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4
Net Weight	kg		(140 x 2) + (127 x 2)	(140 x 2) + (127 x 2)	(140 x 2) + (127 x 2)	(140 x 2) + (127 x 2)	(140 x 3) + (127 x 1)
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Charge	kg	3.0 + 3.0 + 5.8 + 5.8	3.0 + 3.0 + 5.8 + 5.8	3.0 + 3.0 + 5.8 + 5.8	3.0 + 3.0 + 5.8 + 5.8	3.0 + 3.0 + 3.0 + 5.8
Refrigerant Oil	Type		FVC68D (PVE)	FVC69D (PVE)	FVC70D (PVE)	FVC71D (PVE)	FVC72D (PVE)
	Control	cc	7,200	7,200	7,200	7,200	7,200
Power Supply	Ø / V / Hz		3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60
Transmission Cable (VCTF-SB)	No. x mm ²		2C x 1.0-1.5	2C x 1.0-1.5	2C x 1.0-1.5	2C x 1.0-1.5	2C x 1.0-1.5
Piping Length	Total	Max m	300	300	300	300	300
	Actual Longest Piping Length	Max m	150	150	150	150	150
	After 1st Y branch	Max m	40	40	40	40	40
Piping Level Difference	IDU - ODU	Max m	50	50	50	50	50
	IDU - IDU	Max m	40	40	40	40	40
Piping Connection	Liquid	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas	mm (inch)	44.5 (1-3/4)	44.5 (1-3/4)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Number of Outdoor Units	Max		4	4	4	4	4
Number of Connectable Indoor Units	Max		64	64	64	64	64
Ratio of the Connectable Indoor Units	Min - Max		50 - 130%	50 - 130%	50 - 130%	50 - 130%	50 - 130%
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Pressure Resistance	Max kgf / cm ²	45	45	45	45	45
	Rated Water Flow	L / min	192 + 192 + 116 + 96	192 + 192 + 116 + 116	192 + 192 + 135 + 116	192 + 192 + 135 + 135	192 + 192 + 154 + 135
	Head Loss	kPa	31 + 31 + 22 + 16	31 + 31 + 22 + 22	31 + 31 + 29 + 22	31 + 31 + 29 + 29	31 + 31 + 20 + 29
Water Connection pipe	Inlet	mm	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40
	Outlet	mm	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40
	Drain Outlet	mm	20	20	20	20	20
		mm	20	20	20	20	20

* This product contains Fluorinated Greenhouse Gases, (R410A)
 Note: 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, Water inlet temp. 30°C (86°F), Interconnecting piping length 7.5m, Level difference of zero - Heating: Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside units is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)



ARWN720LAS4 / ARWN740LAS4 / ARWN760LAS4
ARWN780LAS4 / ARWN800LAS4



HP			72	74	76	78	80
Model	Combination Unit		ARWN720LAS4	ARWN740LAS4	ARWN760LAS4	ARWN780LAS4	ARWN800LAS4
	Independent Unit		ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN180LAS4	ARWN200LAS4	ARWN180LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN140LAS4	ARWN140LAS4	ARWN180LAS4	ARWN180LAS4	ARWN200LAS4
Capacity	Cooling	Nom kW	201.6	207.2	212.8	218.4	224.0
	Heating	Nom kW	226.6	233.1	239.4	245.7	252.0
Power Input	Cooling	Nom kW	39.93	41.44	41.78	43.29	44.80
	Heating	Nom kW	41.64	43.18	43.60	45.14	46.68
EER	Cooling		5.05	5.00	5.09	5.05	5.00
COP	Heating		5.45	5.40	5.49	5.44	5.40
ESEER			7.03	7.01	7.05	7.03	7.01
Operation Range	Cooling	Min - Max °C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C
	Heating	Min - Max °C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor		4	4	4	4	4
Sound Pressure	Cooling	Nom dBA	61	61	58	58	57
	Heating	Nom dBA	63	63	63	63	63
Sound Power	Cooling	Nom dBA	75	75	72	72	71
	Heating	Nom dBA	77	77	77	77	77
Dimensions	W x H x D mm		(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4
Net Weight	kg		(140 x 3) + (127 x 1)	(140 x 3) + (127 x 1)	140 x 4	140 x 4	140 x 4
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Charge	kg	3.0 + 3.0 + 3.0 + 5.8	3.0 + 3.0 + 3.0 + 5.8	3.0 + 3.0 + 3.0 + 3.0	3.0 + 3.0 + 3.0 + 3.0	3.0 + 3.0 + 3.0 + 3.0
Refrigerant Oil	Type		FVC73D (PVE)	FVC74D (PVE)	FVC75D (PVE)	FVC76D (PVE)	FVC77D (PVE)
	Control	cc	7,200	7,200	7,200	7,200	7,200
Power Supply	Ø / V / Hz		3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60
Transmission Cable (VCTF-SB)	No. x mm ²		2C x 1.0-1.5	2C x 1.0-1.5	2C x 1.0-1.5	2C x 1.0-1.5	2C x 1.0-1.5
Piping Length	Total	Max m	300	300	300	300	300
	Actual Longest Piping Length	Max m	150	150	150	150	150
	After 1st Y branch	Max m	40	40	40	40	40
Piping Level Difference	IDU - ODU	Max m	50	50	50	50	50
	IDU - IDU	Max m	40	40	40	40	40
Piping Connection	Liquid	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Gas	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Number of Outdoor Units	Max		4	4	4	4	4
Number of Connectable Indoor Units	Max		64	64	64	64	64
Ratio of the Connectable Indoor Units	Min - Max		50 - 130%	50 - 130%	50 - 130%	50 - 130%	50 - 130%
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Pressure Resistance	Max kgf / cm ²	45	45	45	45	45
	Rated Water Flow	L / min	192 + 192 + 173 + 135	192 + 192 + 192 + 135	192 + 192 + 173 + 173	192 + 192 + 192 + 173	192 + 192 + 192 + 192
	Head Loss	kPa	31 + 31 + 25 + 29	31 + 31 + 31 + 29	31 + 31 + 25 + 25	31 + 31 + 25 + 25	31 + 31 + 31 + 31
Water Connection pipe	Inlet	mm	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40
	Outlet	mm	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40
	Drain Outlet	mm	20	20	20	20	20
		mm	20	20	20	20	20

* This product contains Fluorinated Greenhouse Gases, (R410A)
 Note: 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, Water inlet temp. 30°C (86°F), Interconnecting piping length 7.5m, Level difference of zero - Heating: Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside units is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V™ WATER IV

ARWB080LAS4 / ARWB100LAS4 / ARWB120LAS4



HP			8	10	12
Model	Combination Unit		ARWB080LAS4	ARWB100LAS4	ARWB120LAS4
	Independent Unit		ARWB080LAS4	ARWB100LAS4	ARWB120LAS4
Capacity	Cooling	Nom kW	22,4	28,0	33,6
	Heating	Nom kW	25,2	31,5	37,8
Power Input	Cooling	Nom kW	3,86	5,09	6,46
	Heating	Nom kW	4,20	5,34	6,75
EER	Cooling		5,80	5,50	5,20
COP	Heating		6,00	5,90	5,60
ESEER			7,77	7,71	7,26
Operation Range	Cooling	Min - Max °C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C
	Heating	Min - Max °C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor		1	1	1
Sound Pressure	Cooling	Nom dBA	47	50	56
	Heating	Nom dBA	51	53	56
Sound Power	Cooling	Nom dBA	59	62	68
	Heating	Nom dBA	63	65	68
Dimensions	W x H x D	mm	(755 × 997 × 500) × 1	(755 × 997 × 500) × 1	(755 × 997 × 500) × 1
Net Weight		kg	127 x 1	127 x 1	127 x 1
Refrigerant	Type		R410A	R410A	R410A
	Charge	kg	5,8	5,8	5,8
Refrigerant Oil	Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Control	cc	1,800	1,800	1,800
Power Supply	Ø / V / Hz		3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60
Transmission Cable (VCTF-SB)	No. x mm²		2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5
Piping Length	Total	Max m	300	300	300
	Actual Longest Piping Length	Max m	150	150	150
	After 1st Y branch	Max m	40	40	40
Piping Level Difference	IDU - ODU	Max m	50	50	50
	IDU - IDU	Max m	40	40	40
Piping Connection	Liquid	mm (inch)	9,52 (3/8)	9,52 (3/8)	12,7 (1/2)
	Low Pressure Gas	mm (inch)	22,2 (7/8)	22,2 (7/8)	25,4 (1)
	High Pressure Gas	mm (inch)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)
Number of Outdoor Units			1	1	1
Number of Connectable Indoor Units	Max		20	25	30
Ratio of the Connectable Indoor Units	Min - Max		50 - 200%	50 - 200%	50 - 200%
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Pressure Resistance	Max kgf / cm²	45	45	45
	Rated Water Flow	L / min	77	96	116
	Head Loss	kPa	11	16	22
Water Connection pipe	Inlet	mm	PT 40	PT 40	PT 40
	Outlet	mm	PT 40	PT 40	PT 40
	Drain Outlet	mm	20	20	20

* This product contains Fluorinated Greenhouse Gases, (R410A)

Note: 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, Water inlet temp, 30°C (86°F), Interconnecting piping length 7,5m, Level difference of zero - Heating: Indoor temp, 20°C (68°F) DB, Water inlet temp, 20°C (68°F)

2. Capacities are net capacities

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

4. Add an anti freeze to circulation water when outside units is operating under 1.0°C (50°F), and change the DIP switch on main PCB, (For more information on installation section.)

MULTI V™ WATER IV

ARWB140LAS4 / ARWB160LAS4
ARWB180LAS4 / ARWB200LAS4



HP			14	16	18	20
Model	Combination Unit		ARWB140LAS4	ARWB160LAS4	ARWB180LAS4	ARWB200LAS4
	Independent Unit		ARWB140LAS4	ARWB160LAS4	ARWB180LAS4	ARWB200LAS4
Capacity	Cooling	Nom kW	39,2	44,8	50,4	56,0
	Heating	Nom kW	44,1	50,4	56,7	63,0
Power Input	Cooling	Nom kW	7,84	8,15	9,69	11,20
	Heating	Nom kW	8,17	8,54	10,13	11,67
EER	Cooling		5,00	5,50	5,20	5,00
COP	Heating		5,40	5,90	5,60	5,40
ESEER			6,96	7,18	7,10	7,02
Operation Range	Cooling	Min - Max °C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C
	Heating	Min - Max °C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor		1	1	1	1
Sound Pressure	Cooling	Nom dBA	58	53	55	54
	Heating	Nom dBA	57	57	56	60
Sound Power	Cooling	Nom dBA	70	65	67	66
	Heating	Nom dBA	69	69	68	72
Dimensions	W x H x D	mm	(755 × 997 × 500) × 1	(755 × 997 × 500) × 1	(755 × 997 × 500) × 1	(755 × 997 × 500) × 1
Net Weight		kg	127 x 1	140 x 1	140 x 1	140 x 1
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	kg	5,8	3,0	3,0	3,0
Refrigerant Oil	Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Control	cc	1,800	1,800	1,800	1,800
Power Supply	Ø / V / Hz		3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60
Transmission Cable (VCTF-SB)	No. x mm²		2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5
Piping Length	Total	Max m	300	300	300	300
	Actual Longest Piping Length	Max m	150	150	150	150
	After 1st Y branch	Max m	40	40	40	40
Piping Level Difference	IDU - ODU	Max m	50	50	50	50
	IDU - IDU	Max m	40	40	40	40
Piping Connection	Liquid	mm (inch)	12,7 (1/2)	12,7 (1/2)	12,7 (1/2)	12,7 (1/2)
	Low Pressure Gas	mm (inch)	25,4 (1)	28,58 (1-1/8)	28,58 (1-1/8)	28,58 (1-1/8)
	High Pressure Gas	mm (inch)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)
Number of Outdoor Units			1	1	1	1
Number of Connectable Indoor Units	Max		35	40	45	50
Ratio of the Connectable Indoor Units	Min - Max		50 - 200%	50 - 200%	50 - 200%	50 - 200%
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Pressure Resistance	Max kgf / cm²	45	45	45	45
	Rated Water Flow	L / min	135	154	173	192
	Head Loss	kPa	29	20	25	31
Water Connection pipe	Inlet	mm	PT 40	PT 40	PT 40	PT 40
	Outlet	mm	PT 40	PT 40	PT 40	PT 40
	Drain Outlet	mm	20	20	20	20

* This product contains Fluorinated Greenhouse Gases, (R410A)

Note: 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, Water inlet temp, 30°C (86°F), Interconnecting piping length 7,5m, Level difference of zero - Heating: Indoor temp, 20°C (68°F) DB, Water inlet temp, 20°C (68°F)

2. Capacities are net capacities

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

4. Add an anti freeze to circulation water when outside units is operating under 1.0°C (50°F), and change the DIP switch on main PCB, (For more information on installation section.)

MULTI V™ WATER IV

ARWB220LAS4 / ARWB240LAS4



HP			22	24
Model	Combination Unit		ARWB220LAS4	ARWB240LAS4
	Independent Unit		ARWB120LAS4	ARWB120LAS4
			ARWB100LAS4	ARWB120LAS4
Capacity	Cooling	Nom kW	61,6	67,2
	Heating	Nom kW	69,3	75,6
Power Input	Cooling	Nom kW	11,55	12,92
	Heating	Nom kW	12,09	13,50
EER	Cooling		5,33	5,20
COP	Heating		5,73	5,60
ESEER			7,34	7,21
Operation Range	Cooling	Min - Max °C DB	10°C - 45°C	10°C - 45°C
	Heating	Min - Max °C WB	-5°C - 45°C	-5°C - 45°C
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor		2	2
Sound Pressure	Cooling	Nom dBA	57	57
	Heating	Nom dBA	57	57
Sound Power	Cooling	Nom dBA	40	70
	Heating	Nom dBA	70	70
Dimensions	W x H x D		(755 x 997 x 500) x 2	(755 x 997 x 500) x 2
Net Weight			127 x 2	127 x 2
Refrigerant	Type		R410A	R410A
	Charge		5,8 + 5,8	5,8 + 5,8
Refrigerant Oil	Type		FVC68D (PVE)	FVC68D (PVE)
	Control		3,600	3,600
Power Supply	Ø / V / Hz		3 / 380-415 / 50, 60	3 / 380-415 / 50, 60
Transmission Cable (VCTF-SB)			No. x mm ²	2C x 1,0-1,5
Piping Length	Total	Max m	300	300
	Actual Longest Piping Length	Max m	150	150
	After 1st Y branch	Max m	40	40
Piping Level Difference	IDU - ODU	Max m	50	50
	IDU - IDU	Max m	40	40
Piping Connection	Liquid	mm (inch)	19,05 (3/4)	19,05 (3/4)
	Low Pressure Gas	mm (inch)	34,9 (1-3/8)	34,9 (1-3/8)
	High Pressure Gas	mm (inch)	28,58 (1-1/8)	28,58 (1-1/8)
Number of Outdoor Units			2	2
Number of Connectable Indoor Units	Max		44	48
Ratio of the Connectable Indoor Units	Min - Max		50 - 160%	50 - 160%
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Pressure Resistance	Max kgf / cm ²	45	45
	Rated Water Flow	L / min	116 + 96	116 + 116
	Head Loss	kPa	22 + 16	22 + 22
	Inlet	mm	PT 40 + PT 40	PT 40 + PT 40
Water Connection pipe	Outlet	mm	PT 40 + PT 40	PT 40 + PT 40
	Drain Outlet	mm	20	20

* This product contains Fluorinated Greenhouse Gases, (R410A)

Note: 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, Water inlet temp. 30°C (86°F), Interconnecting piping length 7.5m, Level difference of zero - Heating: Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)

2. Capacities are net capacities

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

4. Add an anti freeze to circulation water when outside units is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V™ WATER IV

ARWB260LAS4 / ARWB280LAS4



HP			26	28
Model	Combination Unit		ARWB260LAS4	ARWB280LAS4
	Independent Unit		ARWB140LAS4	ARWB140LAS4
			ARWB120LAS4	ARWB140LAS4
Capacity	Cooling	Nom kW	72,8	78,4
	Heating	Nom kW	81,9	88,2
Power Input	Cooling	Nom kW	14,30	15,68
	Heating	Nom kW	14,92	16,34
EER	Cooling		5,09	5,00
COP	Heating		5,49	5,40
ESEER			7,11	7,02
Operation Range	Cooling	Min - Max °C DB	10°C - 45°C	10°C - 45°C
	Heating	Min - Max °C WB	-5°C - 45°C	-5°C - 45°C
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor		2	2
Sound Pressure	Cooling	Nom dBA	59	59
	Heating	Nom dBA	58	58
Sound Power	Cooling	Nom dBA	72	72
	Heating	Nom dBA	71	71
Dimensions	W x H x D		(755 x 997 x 500) x 2	(755 x 997 x 500) x 2
Net Weight			127 x 2	127 x 2
Refrigerant	Type		R410A	R410A
	Charge		5,8 + 5,8	5,8 + 5,8
Refrigerant Oil	Type		FVC68D (PVE)	FVC68D (PVE)
	Control		3,600	3,600
Power Supply	Ø / V / Hz		3 / 380-415 / 50, 60	3 / 380-415 / 50, 60
Transmission Cable (VCTF-SB)			No. x mm ²	2C x 1,0-1,5
Piping Length	Total	Max m	300	300
	Actual Longest Piping Length	Max m	150	150
	After 1st Y branch	Max m	40	40
Piping Level Difference	IDU - ODU	Max m	50	50
	IDU - IDU	Max m	40	40
Piping Connection	Liquid	mm (inch)	19,05 (3/4)	19,05 (3/4)
	Low Pressure Gas	mm (inch)	34,9 (1-3/8)	34,9 (1-3/8)
	High Pressure Gas	mm (inch)	28,58 (1-1/8)	28,58 (1-1/8)
Number of Outdoor Units			2	2
Number of Connectable Indoor Units	Max		52	56
Ratio of the Connectable Indoor Units	Min - Max		50 - 160%	50 - 160%
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Pressure Resistance	Max kgf / cm ²	45	45
	Rated Water Flow	L / min	135 + 116	135 + 135
	Head Loss	kPa	29 + 22	29 + 29
	Inlet	mm	PT 40 + PT 40	PT 40 + PT 40
Water Connection pipe	Outlet	mm	PT 40 + PT 40	PT 40 + PT 40
	Drain Outlet	mm	20	20

* This product contains Fluorinated Greenhouse Gases, (R410A)

Note: 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, Water inlet temp. 30°C (86°F), Interconnecting piping length 7.5m, Level difference of zero - Heating: Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)

2. Capacities are net capacities

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

4. Add an anti freeze to circulation water when outside units is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V™ WATER IV

ARWB300LAS4 / ARWB320LAS4 / ARWB340LAS4



HP				30	32	34	
Model	Combination Unit			ARWB300LAS4	ARWB320LAS4	ARWB340LAS4	
	Independent Unit			ARWB160LAS4	ARWB180LAS4	ARWB200LAS4	
				ARWB140LAS4	ARWB140LAS4	ARWB140LAS4	
Capacity	Cooling	Nom	kW	84,0	89,6	95,2	
	Heating	Nom	kW	94,5	100,8	107,1	
Power Input	Cooling	Nom	kW	15,99	17,53	19,04	
	Heating	Nom	kW	16,71	18,30	19,84	
EER	Cooling			5,25	5,11	5,00	
COP	Heating			5,66	5,51	5,40	
ESEER				7,12	7,07	7,01	
Operation Range	Cooling	Min - Max	°C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C	
	Heating	Min - Max	°C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	
Compressor	Type	Hermetically Sealed Scroll			Hermetically Sealed Scroll	Hermetically Sealed Scroll	
	Number of Compressor	2			2	2	
Sound Pressure	Cooling	Nom	dBA	59	59	59	
	Heating	Nom	dBA	58	58	61	
Sound Power	Cooling	Nom	dBA	72	72	72	
	Heating	Nom	dBA	71	71	74	
Dimensions	W x H x D	mm			(755 x 997 x 500) x 2	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2
Net Weight			kg	(127 x 1) + (140 x 1)	(127 x 1) + (140 x 1)	(127 x 1) + (140 x 1)	
Refrigerant	Type	R410A			R410A	R410A	
	Charge	kg			3,0 + 5,8	3,0 + 5,8	3,0 + 5,8
Refrigerant Oil	Type	FVC68D (PVE)			FVC68D (PVE)	FVC68D (PVE)	
	Control	cc			3,600	3,600	3,600
Power Supply			Ø / V / Hz	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	
Transmission Cable (VCTF-SB)			No. x mm ²	2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5	
Piping Length	Total	Max	m	300	300	300	
	Actual Longest Piping Length	Max	m	150	150	150	
	After 1st Y branch	Max	m	40	40	40	
Piping Level Difference	IDU - ODU	Max	m	50	50	50	
	IDU - IDU	Max	m	40	40	40	
Piping Connection	Liquid	mm (inch)			19,05 (3/4)	19,05 (3/4)	19,05 (3/4)
	Low Pressure Gas	mm (inch)			34,9 (1-3/8)	34,9 (1-3/8)	34,9 (1-3/8)
	High Pressure Gas	mm (inch)			28,58 (1-1/8)	28,58 (1-1/8)	28,58 (1-1/8)
Number of Outdoor Units				2	2	2	
Number of Connectable Indoor Units	Max			64	64	64	
Ratio of the Connectable Indoor Units	Min - Max			50 - 160%	50 - 160%	50 - 160%	
Heat Exchanger	Type	Stainless Steel Plate			Stainless Steel Plate	Stainless Steel Plate	
	Pressure Resistance	Max	kgf / cm ²	45	45	45	
	Rated Water Flow	L / min			154 + 135	173 + 135	192 + 135
	Head Loss	kPa			20 + 29	25 + 29	31 + 29
	Inlet	mm			PT 40 + PT 40	PT 40 + PT 40	PT 40 + PT 40
Water Connection pipe	Outlet	mm			PT 40 + PT 40	PT 40 + PT 40	PT 40 + PT 40
	Drain Outlet	mm			20	20	20

* This product contains Fluorinated Greenhouse Gases, (R410A)
 Note: 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, Water inlet temp. 30°C (86°F), Interconnecting piping length 7.5m, Level difference of zero - Heating: Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside units is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

MULTI V™ WATER IV

ARWB360LAS4 / ARWB380LAS4 / ARWB400LAS4



HP				36	38	40	
Model	Combination Unit			ARWB360LAS4	ARWB380LAS4	ARWB400LAS4	
	Independent Unit			ARWB180LAS4	ARWB200LAS4	ARWB200LAS4	
				ARWB180LAS4	ARWB180LAS4	ARWB200LAS4	
Capacity	Cooling	Nom	kW	100,8	106,4	112,0	
	Heating	Nom	kW	113,4	119,7	126,0	
Power Input	Cooling	Nom	kW	19,38	20,89	22,40	
	Heating	Nom	kW	20,26	21,80	23,34	
EER	Cooling			5,20	5,09	5,00	
COP	Heating			5,60	5,49	5,40	
ESEER				7,11	7,06	7,01	
Operation Range	Cooling	Min - Max	°C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C	
	Heating	Min - Max	°C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	
Compressor	Type	Hermetically Sealed Scroll			Hermetically Sealed Scroll	Hermetically Sealed Scroll	
	Number of Compressor	2			2	2	
Sound Pressure	Cooling	Nom	dBA	56	56	55	
	Heating	Nom	dBA	57	61	61	
Sound Power	Cooling	Nom	dBA	69	69	68	
	Heating	Nom	dBA	70	74	74	
Dimensions	W x H x D	mm			(755 x 997 x 500) x 2	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2
Net Weight			kg	140 x 2	140 x 2	140 x 2	
Refrigerant	Type	R410A			R410A	R410A	
	Charge	kg			3,0 + 3,0	3,0 + 3,0	3,0 + 3,0
Refrigerant Oil	Type	FVC68D (PVE)			FVC68D (PVE)	FVC68D (PVE)	
	Control	cc			3,600	3,600	3,600
Power Supply			Ø / V / Hz	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	
Transmission Cable (VCTF-SB)			No. x mm ²	2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5	
Piping Length	Total	Max	m	300	300	300	
	Actual Longest Piping Length	Max	m	150	150	150	
	After 1st Y branch	Max	m	40	40	40	
Piping Level Difference	IDU - ODU	Max	m	50	50	50	
	IDU - IDU	Max	m	40	40	40	
Piping Connection	Liquid	mm (inch)			19,05 (3/4)	19,05 (3/4)	19,05 (3/4)
	Low Pressure Gas	mm (inch)			41,3 (1-5/8)	41,3 (1-5/8)	41,3 (1-5/8)
	High Pressure Gas	mm (inch)			34,9 (1-3/8)	34,9 (1-3/8)	34,9 (1-3/8)
Number of Outdoor Units				2	2	2	
Number of Connectable Indoor Units	Max			64	64	64	
Ratio of the Connectable Indoor Units	Min - Max			50 - 160%	50 - 160%	50 - 160%	
Heat Exchanger	Type	Stainless Steel Plate			Stainless Steel Plate	Stainless Steel Plate	
	Pressure Resistance	Max	kgf / cm ²	45	45	45	
	Rated Water Flow	L / min			173 + 173	192 + 173	192 + 192
	Head Loss	kPa			25 + 25	31 + 25	31 + 31
	Inlet	mm			PT 40 + PT 40	PT 40 + PT 40	PT 40 + PT 40
Water Connection pipe	Outlet	mm			PT 40 + PT 40	PT 40 + PT 40	PT 40 + PT 40
	Drain Outlet	mm			20	20	20

* This product contains Fluorinated Greenhouse Gases, (R410A)
 Note: 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, Water inlet temp. 30°C (86°F), Interconnecting piping length 7.5m, Level difference of zero - Heating: Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside units is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)



ARWB420LAS4 / ARWB440LAS4 / ARWB460LAS4
ARWB480LAS4 / ARWB500LAS4



HP			42	44	46	48	50
Model	Combination Unit		ARWB420LAS4	ARWB440LAS4	ARWB460LAS4	ARWB480LAS4	ARWB500LAS4
	Independent Unit		ARWB200LAS4	ARWB200LAS4	ARWB200LAS4	ARWB200LAS4	ARWB200LAS4
			ARWB120LAS4	ARWB140LAS4	ARWB140LAS4	ARWB160LAS4	ARWB160LAS4
			ARWB100LAS4	ARWB120LAS4	ARWB120LAS4	ARWB140LAS4	ARWB140LAS4
Capacity	Cooling	Nom kW	117,6	123,2	128,8	134,4	140,0
	Heating	Nom kW	132,3	138,6	144,9	151,2	157,5
Power Input	Cooling	Nom kW	22,75	24,12	25,50	26,88	27,19
	Heating	Nom kW	23,76	25,17	26,59	28,01	28,38
EER	Cooling		5,17	5,11	5,05	5,00	5,15
COP	Heating		5,57	5,51	5,45	5,40	5,55
ESEER			7,18	7,12	7,06	7,01	7,07
Operation Range	Cooling	Min - Max °C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C
	Heating	Min - Max °C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor		3	3	3	3	3
Sound Pressure	Cooling	Nom dBA	58	58	60	60	60
	Heating	Nom dBA	62	62	62	62	62
Sound Power	Cooling	Nom dBA	72	72	74	74	74
	Heating	Nom dBA	76	76	76	76	76
Dimensions	W x H x D	mm	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3
Net Weight		kg	(140 x 1) + (127 X 2)	(140 x 1) + (127 X 2)	(140 x 1) + (127 X 2)	(140 x 1) + (127 X 2)	(140 x 2) + (127 X 1)
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Charge	kg	3,0 + 5,8 + 5,8	3,0 + 5,8 + 5,8	3,0 + 5,8 + 5,8	3,0 + 5,8 + 5,8	3,0 + 3,0 + 5,8
Refrigerant Oil	Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Control	cc	5,400	5,400	5,400	5,400	5,400
Power Supply		Ø / V / Hz	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60
Transmission Cable (VCTF-SB)		No. x mm ²	2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5
Piping Length	Total	Max m	300	300	300	300	300
	Actual Longest Piping Length	Max m	150	150	150	150	150
	After 1st Y branch	Max m	40	40	40	40	40
Piping Level Difference	IDU - ODU	Max m	50	50	50	50	50
	IDU - IDU	Max m	40	40	40	40	40
Piping Connection	Liquid	mm (mch)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)
	Low Pressure Gas	mm (mch)	41,3 (1-5/8)	41,3 (1-5/8)	41,3 (1-5/8)	41,3 (1-5/8)	41,3 (1-5/8)
	High Pressure Gas	mm (mch)	34,9 (1-3/8)	34,9 (1-3/8)	34,9 (1-3/8)	34,9 (1-3/8)	34,9 (1-3/8)
Number of Outdoor Units			3	3	3	3	
Number of Connectable Indoor Units	Max		64	64	64	64	
Ratio of the Connectable Indoor Units	Min - Max		50 - 130%	50 - 130%	50 - 130%	50 - 130%	
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Pressure Resistance	Max kgf / cm ²	45	45	45	45	45
	Rated Water Flow	L / min	192 + 116 + 96	192 + 116 + 116	192 + 135 + 116	192 + 135 + 135	192 + 154 + 135
	Head Loss	kPa	31 + 22 + 16	31 + 22 + 22	31 + 29 + 22	31 + 29 + 29	31 + 20 + 29
Water Connection pipe	Inlet	mm	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40
	Outlet	mm	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40
	Drain Outlet	mm	20	20	20	20	20

* This product contains Fluorinated Greenhouse Gases, (R410A)
 Note: 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, Water inlet temp. 30°C (86°F), Interconnecting piping length 7.5m, Level difference of zero - Heating: Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities.
 3. Due to our policy of innovation some specifications may be changed without notification.
 4. Add an anti freeze to circulation water when outside units is operating under 1.0°C (50°F), and change the DIP switch on main PCB, (For more information on installation section.)



ARWB520LAS4 / ARWB540LAS4 / ARWB560LAS4
ARWB580LAS4 / ARWB600LAS4



HP			52	54	56	58	60
Model	Combination Unit		ARWB520LAS4	ARWB540LAS4	ARWB560LAS4	ARWB580LAS4	ARWB600LAS4
	Independent Unit		ARWB200LAS4	ARWB200LAS4	ARWB200LAS4	ARWB200LAS4	ARWB200LAS4
			ARWB180LAS4	ARWB180LAS4	ARWB180LAS4	ARWB200LAS4	ARWB200LAS4
			ARWB140LAS4	ARWB140LAS4	ARWB180LAS4	ARWB180LAS4	ARWB200LAS4
Capacity	Cooling	Nom kW	145,6	151,2	156,8	162,4	168,0
	Heating	Nom kW	163,8	170,1	176,4	182,7	189,0
Power Input	Cooling	Nom kW	28,73	30,24	30,58	32,09	33,60
	Heating	Nom kW	29,97	31,51	31,93	33,47	35,01
EER	Cooling		5,07	5,00	5,13	5,06	5,00
COP	Heating		5,47	5,40	5,52	5,46	5,40
ESEER			7,04	7,01	7,07	7,04	7,01
Operation Range	Cooling	Min - Max °C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C
	Heating	Min - Max °C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor		3	3	3	3	3
Sound Pressure	Cooling	Nom dBA	60	60	57	57	56
	Heating	Nom dBA	62	62	62	62	62
Sound Power	Cooling	Nom dBA	74	74	71	71	70
	Heating	Nom dBA	76	76	76	76	76
Dimensions	W x H x D	mm	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3
Net Weight		kg	(140 x 2) + (127 X 1)	(140 x 2) + (127 X 1)	140 x 3	140 x 3	140 x 3
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Charge	kg	3,0 + 3,0 + 5,8	3,0 + 3,0 + 5,8	3,0 + 3,0 + 3,0	3,0 + 3,0 + 3,0	3,0 + 3,0 + 3,0
Refrigerant Oil	Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Control	cc	5,400	5,400	5,400	5,400	5,400
Power Supply		Ø / V / Hz	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60
Transmission Cable (VCTF-SB)		No. x mm ²	2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5	2C x 1,0-1,5
Piping Length	Total	Max m	300	300	300	300	300
	Actual Longest Piping Length	Max m	150	150	150	150	150
	After 1st Y branch	Max m	40	40	40	40	40
Piping Level Difference	IDU - ODU	Max m	50	50	50	50	50
	IDU - IDU	Max m	40	40	40	40	40
Piping Connection	Liquid	mm (mch)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)	19,05 (3/4)
	Low Pressure Gas	mm (mch)	41,3 (1-5/8)	41,3 (1-5/8)	41,3 (1-5/8)	41,3 (1-5/8)	41,3 (1-5/8)
	High Pressure Gas	mm (mch)	34,9 (1-3/8)	34,9 (1-3/8)	34,9 (1-3/8)	34,9 (1-3/8)	34,9 (1-3/8)
Number of Outdoor Units			3	3	3	3	
Number of Connectable Indoor Units	Max		64	64	64	64	
Ratio of the Connectable Indoor Units	Min - Max		50 - 130%	50 - 130%	50 - 130%	50 - 130%	
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Pressure Resistance	Max kgf / cm ²	45	45	45	45	45
	Rated Water Flow	L / min	192 + 173 + 135	192 + 192 + 135	192 + 173 + 173	192 + 192 + 173	192 + 192 + 192
	Head Loss	kPa	31 + 25 + 29	31 + 31 + 29	31 + 25 + 25	31 + 31 + 25	31 + 31 + 31
Water Connection pipe	Inlet	mm	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40
	Outlet	mm	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40
	Drain Outlet	mm	20	20	20	20	20

* This product contains Fluorinated Greenhouse Gases, (R410A)
 Note: 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, Water inlet temp. 30°C (86°F), Interconnecting piping length 7.5m, Level difference of zero - Heating: Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities.
 3. Due to our policy of innovation some specifications may be changed without notification.
 4. Add an anti freeze to circulation water when outside units is operating under 1.0°C (50°F), and change the DIP switch on main PCB, (For more information on installation section.)



ARWB620LAS4 / ARWB640LAS4 / ARWB660LAS4
ARWB680LAS4 / ARWB700LAS4



HP			62	64	66	68	70
Model	Combination Unit		ARWB620LAS4	ARWB640LAS4	ARWB660LAS4	ARWB680LAS4	ARWB700LAS4
	Independent Unit		ARWB200LAS4	ARWB200LAS4	ARWB200LAS4	ARWB200LAS4	ARWB200LAS4
			ARWB200LAS4	ARWB200LAS4	ARWB200LAS4	ARWB200LAS4	ARWB200LAS4
			ARWB120LAS4	ARWB120LAS4	ARWB140LAS4	ARWB140LAS4	ARWB160LAS4
			ARWB100LAS4	ARWB120LAS4	ARWB120LAS4	ARWB140LAS4	ARWB140LAS4
Capacity	Cooling	Nom kW	173.6	179.2	184.8	190.4	196.0
	Heating	Nom kW	195.3	201.6	207.9	214.2	220.5
Power Input	Cooling	Nom kW	33.95	35.32	36.70	38.08	38.99
	Heating	Nom kW	35.43	36.84	38.26	39.68	40.05
EER	Cooling		5.11	5.07	5.04	5.00	5.11
COP	Heating		5.51	5.47	5.43	5.40	5.51
ESEER			7.12	7.08	7.04	7.01	7.05
Operation Range	Cooling	Min - Max °C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C
	Heating	Min - Max °C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor		4	4	4	4	4
Sound Pressure	Cooling	Nom dBA	59	59	61	61	61
	Heating	Nom dBA	63	63	63	63	63
Sound Power	Cooling	Nom dBA	73	73	75	75	75
	Heating	Nom dBA	77	77	77	77	77
Dimensions	W x H x D	mm	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4
Net Weight		kg	(140 x 2) + (127 x 2)	(140 x 2) + (127 x 2)	(140 x 2) + (127 x 2)	(140 x 2) + (127 x 2)	(140 x 3) + (127 x 1)
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Charge	kg	3.0 + 3.0 + 5.8	3.0 + 3.0 + 5.8	3.0 + 3.0 + 5.8	3.0 + 3.0 + 5.8	3.0 + 3.0 + 5.8
Refrigerant Oil	Type		FVC68D (PVE)	FVC69D (PVE)	FVC70D (PVE)	FVC71D (PVE)	FVC72D (PVE)
	Control	cc	7,200	7,200	7,200	7,200	7,200
Power Supply		Ø / V / Hz	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60
Transmission Cable (VCTF-SB)		No. x mm ²	2C x 1.0-1.5	2C x 1.0-1.5	2C x 1.0-1.5	2C x 1.0-1.5	2C x 1.0-1.5
Piping Length	Total	Max m	300	300	300	300	300
	Actual Longest Piping Length	Max m	150	150	150	150	150
	After 1st Y branch	Max m	40	40	40	40	40
Piping Level Difference	IDU - ODU	Max m	50	50	50	50	50
	IDU - IDU	Max m	40	40	40	40	40
Piping Connection	Liquid	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Low Pressure Gas	mm (inch)	44.5 (1-3/4)	44.5 (1-3/4)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High Pressure Gas	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)	44.5 (1-3/4)	44.5 (1-3/4)
Number of Outdoor Units			4	4	4	4	4
Number of Connectable Indoor Units	Max		64	64	64	64	64
Ratio of the Connectable Indoor Units	Min - Max		50 - 130%	50 - 130%	50 - 130%	50 - 130%	50 - 130%
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Pressure Resistance	Max kgf / cm ²	45	45	45	45	45
	Rated Water Flow	L / min	192 + 192 + 116 + 96	192 + 192 + 116 + 116	192 + 192 + 135 + 116	192 + 192 + 135 + 135	192 + 192 + 154 + 135
	Head Loss	kPa	31 + 31 + 22 + 16	31 + 31 + 22 + 22	31 + 31 + 29 + 22	31 + 31 + 29 + 29	31 + 31 + 29 + 29
Water Connection pipe	Inlet	mm	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40
	Outlet	mm	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40
Drain Outlet		mm	20	20	20	20	

* This product contains Fluorinated Greenhouse Gases: (R410A)
 Note: 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, Water inlet temp. 30°C (86°F), Interconnecting piping length 7.5m, Level difference of zero - Heating: Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside units is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)



ARWB720LAS4 / ARWB740LAS4 / ARWB760LAS4
ARWB780LAS4 / ARWB800LAS4



HP			72	74	76	78	80
Model	Combination Unit		ARWB720LAS4	ARWB740LAS4	ARWB760LAS4	ARWB780LAS4	ARWB800LAS4
	Independent Unit		ARWB200LAS4	ARWB200LAS4	ARWB200LAS4	ARWB200LAS4	ARWB200LAS4
			ARWB200LAS4	ARWB200LAS4	ARWB200LAS4	ARWB200LAS4	ARWB200LAS4
			ARWB180LAS4	ARWB200LAS4	ARWB180LAS4	ARWB200LAS4	ARWB200LAS4
			ARWB140LAS4	ARWB140LAS4	ARWB180LAS4	ARWB180LAS4	ARWB200LAS4
Capacity	Cooling	Nom kW	201.6	207.2	212.8	218.4	224.0
	Heating	Nom kW	226.8	233.1	239.4	245.7	252.0
Power Input	Cooling	Nom kW	39.93	41.44	41.78	43.29	44.80
	Heating	Nom kW	41.64	43.18	43.60	45.14	46.68
EER	Cooling		5.05	5.00	5.09	5.05	5.00
COP	Heating		5.45	5.40	5.49	5.44	5.40
ESEER			7.03	7.01	7.05	7.03	7.01
Operation Range	Cooling	Min - Max °C DB	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C	10°C - 45°C
	Heating	Min - Max °C WB	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C	-5°C - 45°C
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor		4	4	4	4	4
Sound Pressure	Cooling	Nom dBA	61	61	58	58	57
	Heating	Nom dBA	63	63	63	63	63
Sound Power	Cooling	Nom dBA	75	75	72	72	71
	Heating	Nom dBA	77	77	77	77	77
Dimensions	W x H x D	mm	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4
Net Weight		kg	(140 x 3) + (127 x 1)	(140 x 3) + (127 x 1)	140 x 4	140 x 4	140 x 4
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Charge	kg	3.0 + 3.0 + 3.0 + 5.8	3.0 + 3.0 + 3.0 + 5.8	3.0 + 3.0 + 3.0 + 3.0	3.0 + 3.0 + 3.0 + 3.0	3.0 + 3.0 + 3.0 + 3.0
Refrigerant Oil	Type		FVC73D (PVE)	FVC74D (PVE)	FVC75D (PVE)	FVC76D (PVE)	FVC77D (PVE)
	Control	cc	7,200	7,200	7,200	7,200	7,200
Power Supply		Ø / V / Hz	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60	3 / 380-415 / 50, 60
Transmission Cable (VCTF-SB)		No. x mm ²	2C x 1.0-1.5	2C x 1.0-1.5	2C x 1.0-1.5	2C x 1.0-1.5	2C x 1.0-1.5
Piping Length	Total	Max m	300	300	300	300	300
	Actual Longest Piping Length	Max m	150	150	150	150	150
	After 1st Y branch	Max m	40	40	40	40	40
Piping Level Difference	IDU - ODU	Max m	50	50	50	50	50
	IDU - IDU	Max m	40	40	40	40	40
Piping Connection	Liquid	mm (inch)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)	22.2 (7/8)
	Low Pressure Gas	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High Pressure Gas	mm (inch)	44.5 (1-3/4)	44.5 (1-3/4)	44.5 (1-3/4)	44.5 (1-3/4)	44.5 (1-3/4)
Number of Outdoor Units			4	4	4	4	4
Number of Connectable Indoor Units	Max		64	64	64	64	64
Ratio of the Connectable Indoor Units	Min - Max		50 - 130%	50 - 130%	50 - 130%	50 - 130%	50 - 130%
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Pressure Resistance	Max kgf / cm ²	45	45	45	45	45
	Rated Water Flow	L / min	192 + 192 + 173 + 135	192 + 192 + 192 + 135	192 + 192 + 173 + 173	192 + 192 + 192 + 173	192 + 192 + 192 + 192
	Head Loss	kPa	31 + 31 + 25 + 29	31 + 31 + 31 + 29	31 + 31 + 25 + 25	31 + 31 + 31 + 25	31 + 31 + 31 + 31
Water Connection pipe	Inlet	mm	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40
	Outlet	mm	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40	PT 40 + PT 40 + PT 40 + PT 40
Drain Outlet		mm	20	20	20	20	

* This product contains Fluorinated Greenhouse Gases: (R410A)
 Note: 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, Water inlet temp. 30°C (86°F), Interconnecting piping length 7.5m, Level difference of zero - Heating: Indoor temp. 20°C (68°F) DB, Water inlet temp. 20°C (68°F)
 2. Capacities are net capacities
 3. Due to our policy of innovation some specifications may be changed without notification
 4. Add an anti freeze to circulation water when outside units is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)