



HP			22	24
Model	Combination unit		ARWN220LAS4	ARWN240LAS4
	Independent unit		ARWN100LAS4	ARWN120LAS4
			ARWN120LAS4	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	13.5
EER			5.33	5.20
COP			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		1	2
Sound Pressure (Cooling)		Nom dBA	57	57
Sound Pressure (Heating)		Nom dBA	57	57
Sound Power (Cooling)		Nom dBA	70	70
Sound Power (Heating)		Nom dBA	70	70
Dimensions	WxHxD	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
	Control		EEV	EEV
Refrigerant Oil	Type		FVC68D(PVE)	FVC68D(PVE)
	Control	cc	1,200 + 1,200	1,200 + 1,200
Power Supply		ø/V/Hz	3 / 380 - 415 / 50	3 / 380 - 415 / 50
Transmission Cable (VCTF-SB)		No x mm²	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Piping Length	Total	Max m	300(500)	300(500)
	Actual Longest Piping Length	Max m	150(200)	150(200)
	After 1st Y branch	Max m	40(90)	40(90)
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	35(44)	39(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/cm²	45	45
	Nom Water Flow	L/min	116 + 96	116 + 116
Water Connection pipe	Head Loss	kPa	21.8 + 15.8	21.8 + 21.8
	Inlet	mm(inch)	PT 40 + PT 40	PT 40 + PT 40
	Outlet	mm(inch)	PT 40 + PT 40	PT 40 + PT 40
	Drain Outlet	mm	20	20

**Note :**

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

\* ( ) : Conditional application



HP			26	28
Model	Combination unit		ARWN260LAS4	ARWN280LAS4
	Independent unit		ARWN120LAS4	ARWN140LAS4
			ARWN140LAS4	ARWN140LAS4
Capacity	Cooling	Nom kW	72.8	78.4
	Heating	Nom kW	81.9	88.2
Power Input	Cooling	Nom kW	14.3	15.68
	Heating	Nom kW	14.92	16.34
EER			5.09	5.00
COP			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
Sound Pressure (Heating)		Nom dBA	58	58
Sound Power (Cooling)		Nom dBA	72	72
Sound Power (Heating)		Nom dBA	71	71
Dimensions	WxHxD	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
	Control		EEV	EEV
Refrigerant Oil	Type		FVC68D(PVE)	FVC68D(PVE)
	Control	cc	1,200 + 1,200	1,200 + 1,200
Power Supply		ø/V/Hz	3 / 380 - 415 / 50	3 / 380 - 415 / 50
Transmission Cable (VCTF-SB)		No x mm²	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Piping Length	Total	Max m	300(500)	300(500)
	Actual Longest Piping Length	Max m	150(200)	150(200)
	After 1st Y branch	Max m	40(90)	40(90)
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	42(52)	45(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/cm²	45	45
	Nom Water Flow	L/min	135 + 116	135 + 135
Water Connection pipe	Head Loss	kPa	28.6 + 21.8	28.6 + 28.6
	Inlet	mm(inch)	PT 40 + PT 40	PT 40 + PT 40
	Outlet	mm(inch)	PT 40 + PT 40	PT 40 + PT 40
	Drain Outlet	mm	20	20

**Note :**

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

\* ( ) : Conditional application