



HP			30	32	34
Model	Combination unit		ARWN300LAS4	ARWN320LAS4	ARWN340LAS4
	Independent unit		ARWN140LAS4	ARWN140LAS4	ARWN140LAS4
			ARWN160LAS4	ARWN180LAS4	ARWN200LAS4
Capacity	Cooling	Nom kW	84	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	18.3	19.84
EER			5.25	5.11	5.00
COP			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
Sound Pressure (Heating)		Nom dBA	58	58	61
Sound Power (Cooling)		Nom dBA	72	72	72
Sound Power (Heating)		Nom dBA	71	71	74
Dimensions	WxHxD	mm	(755 × 997 × 500) × 2	(755 × 997 × 500) × 2	(755 × 997 × 500) × 2
Net Weight		kg	(127 × 1) + (140 × 1)	(127 × 1) + (140 × 1)	(127 × 1) + (140 × 1)
Refrigerant	Type		R410A	R410A	R410A
	Charge	kg	3.0 + 5.8	3.0 + 3.0	3.0 + 5.8
	Control		EEV	EEV	EEV
Refrigerant Oil	Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Control	cc	1,400 + 1,200	1,400 + 1,200	1,400 + 1,200
Power Supply		ø/V/Hz	3 / 380 - 415 / 50	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	1.0 - 1.5 x 2C
Piping Length	Total	Max m	300(500)	300(500)	300(500)
	Actual Longest Piping Length	Max m	150(200)	150(200)	150(200)
	After 1st Y branch	Max m	40(90)	40(90)	40(90)
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			2	2	2
Number of Connectable Indoor Units	Max		49(60)	52(64)	55(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/cm²	45	45	45
	Nom Water Flow	L/min	154 + 135	173 + 135	192 + 135
	Head Loss	kPa	19.4 + 28.6	24.0 + 28.6	30.1 + 28.6
Water Connection pipe	Inlet	mm(inch)	PT 40 + PT 40	PT 40 + PT 40	PT 40 + PT 40
	Outlet	mm(inch)	PT 40 + PT 40	PT 40 + PT 40	PT 40 + PT 40
	Drain Outlet	mm	20	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			36	38	40
Model	Combination unit		ARWN360LAS4	ARWN380LAS4	ARWN400LAS4
	Independent unit		ARWN180LAS4	ARWN180LAS4	ARWN200LAS4
			ARWN180LAS4	ARWN200LAS4	ARWN200LAS4
Capacity	Cooling	Nom kW	100.8	106.4	112
	Heating	Nom kW	113.4	119.7	126
Power Input	Cooling	Nom kW	19.38	20.89	22.4
	Heating	Nom kW	20.26	21.8	23.34
EER			5.20	5.09	5.00
COP			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
Sound Pressure (Heating)		Nom dBA	57	61	61
Sound Power (Cooling)		Nom dBA	69	69	68
Sound Power (Heating)		Nom dBA	70	74	74
Dimensions	WxHxD	mm	(755 × 997 × 500) × 2	(755 × 997 × 500) × 2	(755 × 997 × 500) × 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
	Control		EEV	EEV	EEV
Refrigerant Oil	Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Control	cc	1,400 + 1,400	1,400 + 1,400	1,400 + 1,400
Power Supply		ø/V/Hz	3 / 380 - 415 / 50	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	1.0 - 1.5 x 2C
Piping Length	Total	Max m	300(500)	300(500)	300(500)
	Actual Longest Piping Length	Max m	150(200)	150(200)	150(200)
	After 1st Y branch	Max m	40(90)	40(90)	40(90)
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			2	2	2
Number of Connectable Indoor Units	Max		58(64)	61(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/cm²	45	45	45
	Nom Water Flow	L/min	173 + 173	192 + 173	192 + 192
	Head Loss	kPa	24.0 + 24.0	30.1 + 24.0	30.1 + 30.1
Water Connection pipe	Inlet	mm(inch)	PT 40 + PT 40	PT 40 + PT 40	PT 40 + PT 40
	Outlet	mm(inch)	PT 40 + PT 40	PT 40 + PT 40	PT 40 + PT 40
	Drain Outlet	mm	20	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
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- EEV : Electronic Expansion Valve
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