



HP			62	64	66	68	70
<b>Model</b>	<b>Combination unit</b>		ARWN620LAS4	ARWN640LAS4	ARWN660LAS4	ARWN680LAS4	ARWN700LAS4
	<b>Independent unit</b>		ARWN100LAS4	ARWN120LAS4	ARWN140LAS4	ARWN160LAS4	ARWN180LAS4
			ARWN120LAS4	ARWN140LAS4	ARWN160LAS4	ARWN180LAS4	ARWN200LAS4
			ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
<b>Capacity</b>	Cooling	Nom kW	173.6	179.2	184.8	190.4	196
	Heating	Nom kW	195.3	201.6	207.9	214.2	220.5
<b>Power Input</b>	Cooling	Nom kW	33.95	35.32	36.7	38.08	38.39
	Heating	Nom kW	35.43	36.84	38.26	39.68	40.05
<b>EER</b>			5.11	5.07	5.04	5.00	5.11
<b>COP</b>			5.51	5.47	5.43	5.40	5.51
<b>ESEER</b>			7.12	7.08	7.04	7.01	7.05
<b>Operation Range</b>	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
<b>Compressor</b>	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor		4	4	4	4	4
<b>Sound Pressure (Cooling)</b>		Nom dBA	59	59	61	61	61
<b>Sound Pressure (Heating)</b>		Nom dBA	63	63	63	63	63
<b>Sound Power (Cooling)</b>		Nom dBA	73	73	75	75	75
<b>Sound Power (Heating)</b>		Nom dBA	77	77	77	77	77
<b>Dimensions</b>	WxHxD	mm	(755 × 997 × 500) × 4	(755 × 997 × 500) × 4	(755 × 997 × 500) × 4	(755 × 997 × 500) × 4	(755 × 997 × 500) × 4
<b>Net Weight</b>		kg	(140 × 3) + (127 × 1)	(140 × 3) + (127 × 1)	(140 × 3) + (127 × 1)	(140 × 3) + (127 × 1)	(140 × 3) + (127 × 1)
<b>Refrigerant</b>	Type		R410A	R410A	R410A	R410A	R410A
	Charge	kg	30 + 30 + 58 + 58	30 + 30 + 58 + 58	30 + 30 + 58 + 58	30 + 30 + 58 + 58	30 + 30 + 58 + 58
<b>Refrigerant Oil</b>	Type		FVC68D(PVE)	FVC69D(PVE)	FVC70D(PVE)	FVC71D(PVE)	FVC72D(PVE)
	Control		EVV	EVV	EVV	EVV	EVV
<b>Power Supply</b>	Type	cc	1400 + 1400 + 1200 + 1200	1400 + 1400 + 1200 + 1200	1400 + 1400 + 1200 + 1200	1400 + 1400 + 1200 + 1200	1400 + 1400 + 1200 + 1200
	Control	ø/V/Hz	3 / 380 - 415 / 50	3 / 380 - 415 / 50	3 / 380 - 415 / 50	3 / 380 - 415 / 50	3 / 380 - 415 / 50
<b>Transmission Cable (VCTF-SB)</b>		No. x mm²	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
<b>Piping Length</b>	Total	Max m	300(500)	300(500)	300(500)	300(500)	300(500)
	Actual Longest Piping Length	Max m	150(200)	150(200)	150(200)	150(200)	150(200)
	After 1st Y branch	Max m	40(90)	40(90)	40(90)	40(90)	40(90)
<b>Piping Level Difference</b>	IDU-ODU	Max m	50	50	50	50	50
	IDU-IDU	Max m	40	40	40	40	40
<b>Piping Connection</b>	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)
<b>Number of Outdoor Units</b>			4	4	4	4	4
<b>Number of Connectable Indoor Units</b>		Max	64	64	64	64	64
<b>Ratio of the Connectable Indoor Units</b>		Min-Max	50 - 130%	50 - 130%	50 - 130%	50 - 130%	50 - 130%
<b>Heat Exchanger</b>	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Pressure Resistance	Max kgf/cm²	45	45	45	45	45
	Nom 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	30.1 + 30.1 + 21.8 + 15.8	30.1 + 30.1 + 21.8 + 21.8	30.1 + 30.1 + 28.6 + 28.6	30.1 + 30.1 + 28.6 + 28.6	30.1 + 30.1 + 19.4 + 28.6
<b>Water Connection pipe</b>	Inlet	mm(inch)	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	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	PT 40 + PT 40 + PT 40 + PT 40 + 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 + 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 + 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 + PT 40 + PT 40 + PT 40 + PT 40
<b>Drain Outlet</b>		mm	20	20	20	20	20

**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. EVV - Electronic Expansion Valve  
 5. Add an anti freeze to circulation water when outside units is operating undet 10°C (50°F), and change the DIP switch on main PCB.(For more information on installation section.)

\* ( ) : Conditional application



HP			72	74	76	78	80
<b>Model</b>	<b>Combination unit</b>		ARWN720LAS4	ARWN740LAS4	ARWN760LAS4	ARWN780LAS4	ARWN800LAS4
	<b>Independent unit</b>		ARWN140LAS4	ARWN140LAS4	ARWN180LAS4	ARWN180LAS4	ARWN200LAS4
			ARWN180LAS4	ARWN200LAS4	ARWN180LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
<b>Capacity</b>	Cooling	Nom kW	201.6	207.2	212.8	218.4	224
	Heating	Nom kW	226.8	233.1	239.4	245.7	252
<b>Power Input</b>	Cooling	Nom kW	39.93	41.44	41.78	43.29	44.8
	Heating	Nom kW	41.64	43.18	43.6	45.14	46.68
<b>EER</b>			5.05	5.00	5.09	5.05	5.00
<b>COP</b>			5.45	5.40	5.49	5.44	5.40
<b>ESEER</b>			7.03	7.01	7.05	7.03	7.01
<b>Operation Range</b>	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
<b>Compressor</b>	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Number of Compressor		4	4	4	4	4
<b>Sound Pressure (Cooling)</b>		Nom dBA	61	61	58	58	57
<b>Sound Pressure (Heating)</b>		Nom dBA	63	63	63	63	63
<b>Sound Power (Cooling)</b>		Nom dBA	75	75	72	72	71
<b>Sound Power (Heating)</b>		Nom dBA	77	77	77	77	77
<b>Dimensions</b>	WxHxD	mm	(755 × 997 × 500) × 4	(755 × 997 × 500) × 4	(755 × 997 × 500) × 4	(755 × 997 × 500) × 4	(755 × 997 × 500) × 4
<b>Net Weight</b>		kg	(140 × 3) + (127 × 1)	(140 × 3) + (127 × 1)	140 x 4	140 x 4	140 x 4
<b>Refrigerant</b>	Type		R410A	R410A	R410A	R410A	R410A
	Charge	kg	30 + 30 + 30 + 58	30 + 30 + 30 + 58	30 + 30 + 30 + 30	30 + 30 + 30 + 30	30 + 30 + 30 + 30
<b>Refrigerant Oil</b>	Type		FVC73D(PVE)	FVC74D(PVE)	FVC75D(PVE)	FVC76D(PVE)	FVC77D(PVE)
	Control		EVV	EVV	EVV	EVV	EVV
<b>Power Supply</b>	Type	cc	1400 + 1400 + 1400 + 1200	1400 + 1400 + 1400 + 1200	1400 + 1400 + 1400 + 1400	1400 + 1400 + 1400 + 1400	1400 + 1400 + 1400 + 1400
	Control	ø/V/Hz	3 / 380 - 415 / 50	3 / 380 - 415 / 50	3 / 380 - 415 / 50	3 / 380 - 415 / 50	3 / 380 - 415 / 50
<b>Transmission Cable (VCTF-SB)</b>		No. x mm²	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
<b>Piping Length</b>	Total	Max m	300(500)	300(500)	300(500)	300(500)	300(500)
	Actual Longest Piping Length	Max m	150(200)	150(200)	150(200)	150(200)	150(200)
	After 1st Y branch	Max m	40(90)	40(90)	40(90)	40(90)	40(90)
<b>Piping Level Difference</b>	IDU-ODU	Max m	50	50	50	50	50
	IDU-IDU	Max m	40	40	40	40	40
<b>Piping Connection</b>	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)
<b>Number of Outdoor Units</b>			4	4	4	4	4
<b>Number of Connectable Indoor Units</b>		Max	64	64	64	64	64
<b>Ratio of the Connectable Indoor Units</b>		Min-Max	50 - 130%	50 - 130%	50 - 130%	50 - 130%	50 - 130%
<b>Heat Exchanger</b>	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Pressure Resistance	Max kgf/cm²	45	45	45	45	45
	Nom Water Flow	L/min	192 + 192 + 173 + 135	192 + 192 + 135	192 + 192 + 173 + 173	192 + 192 + 173	192 + 192 + 192 + 192
	Head Loss	kPa	30.1 + 30.1 + 24.0 + 28.6	30.1 + 30.1 + 28.6 + 28.6	30.1 + 30.1 + 24.0 + 24.0	30.1 + 30.1 + 24.0	30.1 + 30.1 + 30.1 + 30.1
<b>Water Connection pipe</b>	Inlet	mm(inch)	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	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	PT 40 + PT 40 + PT 40 + PT 40 + 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 + 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 + 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 + PT 40 + PT 40 + PT 40 + PT 40
<b>Drain Outlet</b>		mm	20	20	20	20	20

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 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  
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