

MULTI V WATER IV

ARWB080LAS4 / ARWB100LAS4 / ARWB140LAS4 / ARWB200LAS4

ARWB220LAS4 / ARWB240LAS4 / ARWB280LAS4 / ARWB300LAS4

HP		8	10	14	20
Model Name	Combination Unit	ARWB080LAS4	ARWB100LAS4	ARWB140LAS4	ARWB200LAS4
	Independent Unit	ARWB080LAS4	ARWB100LAS4	ARWB140LAS4	ARWB200LAS4
Capacity	Cooling kW	22.4	28.0	39.2	56.0
	Heating kW	25.2	31.5	44.1	63.0
Input	Cooling kW	3.86	5.09	7.84	11.20
	Heating kW	4.20	5.34	8.17	11.67
Casing Color		Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination	(Inverter) x 1	(Inverter) x 1	(Inverter) x 1	(Inverter) x 1
	Piston Displacement cm ³ /rev	43.8	43.8	43.8	62.1
	Number of revolution rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output kW	4.2	4.2	4.2	5.3
	Starting Method	Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge Amount cc	1 200 + 1 600	1 200 + 1 600	1 200 + 1 600	1 400 + 1 600
	Heat Exchanger	Type	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
Heat Exchanger	Maximum Pressure Resistance kgf/cm ²	45	45	45	45
	Head Loss kPa	10.7	15.8	28.6	30.1
	Rated Water Flow LPM	77	96	135	192
Temp. range of Circulation water	Cooling	10°C ~ 45°C (50°F ~ 113°F)	10°C ~ 45°C (50°F ~ 113°F)	10°C ~ 45°C (50°F ~ 113°F)	10°C ~ 45°C (50°F ~ 113°F)
Refrigerant Connecting Pipes	Liquid Pipes mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
	Low Pressure Gas Pipes mm (inch)	22.2 (7/8)	22.2 (7/8)	25.4 (1)	28.58 (1-1/8)
	High Pressure Gas Pipes mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
Water Connecting Pipes	Inlet mm	PT40 (1-1/2, Internal)	PT40 (1-1/2, Internal)	PT40 (1-1/2, Internal)	PT40 (1-1/2, Internal)
	Outlet mm	PT40 (1-1/2, Internal)	PT40 (1-1/2, Internal)	PT40 (1-1/2, Internal)	PT40 (1-1/2, Internal)
	Drain Outlet mm	PT20 (3/4, External)	PT20 (3/4, External)	PT20 (3/4, External)	PT20 (3/4, External)
Dimensions (W x H x D)	mm	(755 x 500 x 997) x 1	(755 x 500 x 997) x 1	(755 x 500 x 997) x 1	(755 x 500 x 997) x 1
	inch	(29-23/32 x 39-1/4 x 19-11/16) x 1	(29-23/32 x 39-1/4 x 19-11/16) x 1	(29-23/32 x 39-1/4 x 19-11/16) x 1	(29-23/32 x 39-1/4 x 19-11/16) x 1
Net Weight	kg	127 x 1	127 x 1	127 x 1	140 x 1
	lbs	280 x 1	280 x 1	280 x 1	309 x 1
Transmission Cable (CVV-SB)	mm ²	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Name	R410A	R410A	R412A	R410A
	Charge Amount kg	5.8	5.8	5.8	3.0
	Control Device	EEV	EEV	EEV	EEV
Power Supply	∅ / V / Hz	3 / 380 - 415 / 50	3 / 380 - 415 / 50	3 / 380 - 415 / 50	3 / 380 - 415 / 50
		3 / 380 / 60	3 / 380 / 60	3 / 380 / 60	3 / 380 / 60
Sound Pressure Level	Cooling dB(A)	47	50	58	54
	Heating dB(A)	51	53	57	60
Sound Power Level	Cooling dB(A)	59	62	70	66
	Heating dB(A)	63	65	69	72

HP		22	24	28	30
Model Name	Combination Unit	ARWB220LAS4	ARWB240LAS4	ARWB280LAS4	ARWB300LAS4
	Independent Unit	ARWN140LAS4 ARWN080LAS4	ARWN140LAS4 ARWN100LAS4	ARWB140LAS4 ARWB140LAS4	ARWN200LAS4 ARWN100LAS4
Capacity	Cooling kW	61.6	67.2	78.4	84.0
	Heating kW	69.3	75.6	88.2	94.5
Input	Cooling kW	11.70	12.93	15.68	16.29
	Heating kW	12.37	13.51	16.34	17.01
Casing Color		Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination	(Inverter) x 2	(Inverter) x 2	(Inverter) x 2	(Inverter) x 2
	Piston Displacement cm ³ /rev	43.8 + 43.8	43.8 + 43.8	43.8 + 43.8	62.1 + 43.8
	Number of revolution rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output kW	4.2+4.2	4.2 + 4.2	4.2 + 4.2	5.3 + 4.2
	Starting Method	Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge Amount cc	(1 200 + 1 600) x 2	(1 200 + 1 600) x 2	(1 200 + 1 600) x 2	(1 400 + 1 200) + 1 600 x 2
	Heat Exchanger	Type	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
Heat Exchanger	Maximum Pressure Resistance kgf/cm ²	45	45	45	45
	Head Loss kPa	28.6 + 10.7	28.6 + 15.8	28.6 + 28.6	30.1 + 15.8
	Rated Water Flow LPM	135 + 77	135 + 96	135 + 135	192 + 96
Temp. range of Circulation water	Cooling	10°C ~ 45°C (50°F ~ 113°F)	10°C ~ 45°C (50°F ~ 113°F)	10°C ~ 45°C (50°F ~ 113°F)	10°C ~ 45°C (50°F ~ 113°F)
Refrigerant Connecting Pipes	Liquid Pipes mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Low Pressure Gas Pipes mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
	High Pressure Gas Pipes mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Water Connecting Pipes	Inlet mm	PT40 + PT40 (Internal)	PT40 + PT40 (Internal)	PT40 + PT40 (Internal)	PT40 + PT40 (Internal)
	Outlet mm	PT40 + PT40 (Internal)	PT40 + PT40 (Internal)	PT40 + PT40 (Internal)	PT40 + PT40 (Internal)
	Drain Outlet mm	PT20 (3/4, External)	PT20 (3/4, External)	PT20 (3/4, External)	PT20 (3/4, External)
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	(755 x 997 x 500) x 2
	inch	(29-23/32 x 39-1/4 x 19-11/16) x 2	(29-23/32 x 39-1/4 x 19-11/16) x 2	(29-23/32 x 39-1/4 x 19-11/16) x 2	(29-23/32 x 39-1/4 x 19-11/16) x 2
Net Weight	kg	127 x 2	127 x 2	127 x 2	(140 x 1) + (127 x 1)
	lbs	280 x 2	280 x 2	280 x 2	(309 x 1) + (280 x 1)
Transmission Cable (CVV-SB)	mm ²	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C
Refrigerant	Name	R410A	R410A	R410A	R410A
	Charge Amount kg	5.8 + 5.8	5.8 + 5.8	5.8 + 5.8	3.0 + 5.8
	Control Device	EEV	EEV	EEV	EEV
Power Supply	∅ / V / Hz	3 / 380 - 415 / 50	3 / 380 - 415 / 50	3 / 380 - 415 / 50	3 / 380 - 415 / 50
		3 / 380 / 60	3 / 380 / 60	3 / 380 / 60	3 / 380 / 60
Sound Pressure Level	Cooling dB(A)	58	59	59	55
	Heating dB(A)	58	58	58	61
Sound Power Level	Cooling dB(A)	71	72	72	68
	Heating dB(A)	71	71	71	74

* 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 unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

* 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 unit 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

ARWB340LAS4 / ARWB400LAS4 / ARWB420LAS4 / ARWB440LAS4

ARWB480LAS4 / ARWB500LAS4 / ARWB540LAS4 / ARWB600LAS4

HP			34	40	42	44
Model Name	Combination Unit		ARWB340LAS4	ARWB400LAS4	ARWB420LAS4	ARWB440LAS4
	Independent Unit		ARWB200LAS4 ARWB140LAS4	ARWB200LAS4 ARWB200LAS4	ARWN200LAS4 ARWN140LAS4 ARWN080LAS4	ARWN200LAS4 ARWN140LAS4 ARWN100LAS4
Capacity	Cooling	kW	95.2	112.0	117.6	123.2
	Heating	kW	107.1	126.0	132.3	138.6
Input	Cooling	kW	19.04	22.40	22.90	24.13
	Heating	kW	19.84	23.34	24.04	25.18
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 2	(Inverter) x 2	(Inverter) x 3	(Inverter) x 3
	Piston Displacement	cm ³ /rev	43.8 + 62.1	62.1 + 62.1	62.1 + 43.8 + 43.8	62.1 + 43.8 + 43.8
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	4.2 + 5.3	5.3 + 5.3	5.3 + 4.2 + 4.2	5.3 + 4.2 + 4.2
	Starting Method		Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge Amount	cc	(1 400 + 1 200) + 1 600 x 2	(1 400 + 1 600) x 2	(1 400 + 1 200 + 1 200) + 1 600 x 3	(1 400 + 1 200 + 1 200) + 1 600 x 3
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm ²	45	45	45	45
	Head Loss	kPa	30.1 + 28.6	30.1 + 30.1	30.1 + 28.6 + 10.7	30.1 + 28.6 + 15.8
	Rated Water Flow	LPM	192 + 135	192 + 192	192 + 135 + 77	192 + 135 + 96
Temp. range of	Cooling		10°C - 45°C (50°F - 113°F)	10°C - 45°C (50°F - 113°F)	10°C - 45°C (50°F - 113°F)	10°C - 45°C (50°F - 113°F)
Circulation water	Heating		-5°C - 45°C (23°F - 113°F)	-5°C - 45°C (23°F - 113°F)	-5°C - 45°C (23°F - 113°F)	-5°C - 45°C (23°F - 113°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Low Pressure Gas Pipes	mm (inch)	34.9 (1-3/8)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
	High Pressure Gas Pipes	mm (inch)	28.58 (1-1/8)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
Water Connecting Pipes	Inlet	mm	PT40 + PT40 (Internal)	PT40 + PT40 (Internal)	PT40 + PT40 + PT40 (Internal)	PT40 + PT40 + PT40 (Internal)
	Outlet	mm	PT40 + PT40 (Internal)	PT40 + PT40 (Internal)	PT40 + PT40 + PT40 (Internal)	PT40 + PT40 + PT40 (Internal)
	Drain Outlet	mm	PT20 (3/4, External)	PT20 (3/4, External)	PT20 (3/4, External)	PT20 (3/4, External)
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 3	(755 x 997 x 500) x 3
	inch		(29-23/32 x 39-1/4 x 19-11/16) x 2	(29-23/32 x 39-1/4 x 19-11/16) x 2	(29-23/32 x 39-1/4 x 19-11/16) x 3	(29-23/32 x 39-1/4 x 19-11/16) x 3
Net Weight	kg		(140 x 1) + (127 x 1)	140 x 2	(140 x 1) + (127 X 2)	(140 x 1) + (127 X 2)
	lbs		(309 x 1) + (280 x 1)	309 x 2	(309 x 1) + (280 X 2)	(309 x 1) + (280 X 2)
Transmission Cable (CVV-SB)			1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Name		R410A	R410A	R410A	R410A
	Charge Amount	kg	3.0 + 5.8	3.0 + 3.0	3.0 + 5.8 + 5.8	3.0 + 5.8 + 5.8
	Control Device		EEV	EEV	EEV	EEV
Power Supply			3 / 380 - 415 / 50	3 / 380 - 415 / 50	3 / 380 - 415 / 50	3 / 380 - 415 / 50
			3 / 380 / 60	3 / 380 / 60	3 / 380 / 60	3 / 380 / 60
Sound Pressure Level	Cooling	dB(A)	59	55	60	60
	Heating	dB(A)	61	61	62	62
Sound Power Level	Cooling	dB(A)	72	68	73	74
	Heating	dB(A)	74	74	76	76

HP			48	50	54	60
Model Name	Combination Unit		ARWB480LAS4	ARWB500LAS4	ARWB540LAS4	ARWB600LAS4
	Independent Unit		ARWB200LAS4 ARWB140LAS4 ARWB140LAS4	ARWN200DAS4 ARWN200DAS4 ARWN100DAS4	ARWB200LAS4 ARWB200LAS4 ARWB140LAS4	ARWB200LAS4 ARWB200LAS4 ARWB200LAS4
Capacity	Cooling	kW	134.4	140.0	151.2	168.0
	Heating	kW	151.2	157.5	170.1	189.0
Input	Cooling	kW	26.88	27.49	30.24	33.60
	Heating	kW	28.01	28.68	31.51	35.01
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 3	(Inverter) x 3	(Inverter) x 3	(Inverter) x 3
	Piston Displacement	cm ³ /rev	62.1 + 43.8 + 43.8	62.1 + 62.1 + 43.8	62.1 + 62.1 + 43.8	62.1 + 62.1 + 62.1
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3 + 4.2 + 4.2	5.3 + 5.3 + 4.2	5.3 + 5.3 + 4.2	5.3 + 5.3 + 5.3
	Starting Method		Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)	FVC68D (PVE)
	Oil Charge Amount	cc	(1 400 + 1 200 + 1 200) + 1 600 x 3	(1 400 + 1 400 + 1 200) + 1 600 x 3	(1 400 + 1 400 + 1 200) + 1 600 x 3	(1 400 + 1 600) x 3
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm ²	45	45	45	45
	Head Loss	kPa	30.1 + 28.6 + 28.6	30.1 + 30.1 + 15.8	30.1 + 28.6 + 28.6	30.1 + 30.1 + 30.1
	Rated Water Flow	LPM	192 + 135 + 135	192 + 192 + 96	192 + 192 + 135	192 + 192 + 192
Temp. range of	Cooling		10°C - 45°C (50°F - 113°F)	10°C - 45°C (50°F - 113°F)	10°C - 45°C (50°F - 113°F)	10°C - 45°C (50°F - 113°F)
Circulation water	Heating		-5°C - 45°C (23°F - 113°F)	-5°C - 45°C (23°F - 113°F)	-5°C - 45°C (23°F - 113°F)	-5°C - 45°C (23°F - 113°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Low Pressure Gas Pipes	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)	41.3 (1-5/8)
	High Pressure Gas Pipes	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)	34.9 (1-3/8)
Water Connecting Pipes	Inlet	mm	PT40 + PT40 + PT40 (Internal)	PT40 + PT40 + PT40 (Internal)	PT40 + PT40 + PT40 (Internal)	PT40 + PT40 + PT40 (Internal)
	Outlet	mm	PT40 + PT40 + PT40 (Internal)	PT40 + PT40 + PT40 (Internal)	PT40 + PT40 + PT40 (Internal)	PT40 + PT40 + PT40 (Internal)
	Drain Outlet	mm	PT20 (3/4, External)	PT20 (3/4, External)	PT20 (3/4, External)	PT20 (3/4, External)
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
	inch		(29-23/32 x 39-1/4 x 19-11/16) x 3	(29-23/32 x 39-1/4 x 19-11/16) x 3	(29-23/32 x 39-1/4 x 19-11/16) x 3	(29-23/32 x 39-1/4 x 19-11/16) x 3
Net Weight	kg		(140 x 1) + (127 X 2)	(140 x 2) + (127 X 1)	(140 x 2) + (127 X 1)	140 x 3
	lbs		(309 x 1) + (280 X 2)	(309 x 2) + (280X1)	(309 x 2) + (280X1)	309 x 3
Transmission Cable (CVV-SB)			1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Refrigerant	Name		R410A	R410A	R410A	R410A
	Charge Amount	kg	3.0 + 5.8 + 5.8	3.0 + 3.0 + 5.8	3.0 + 3.0 + 5.8	3.0 + 3.0 + 3.0
	Control Device		EEV	EEV	EEV	EEV
Power Supply			3 / 380 - 415 / 50	3 / 380 - 415 / 50	3 / 380 - 415 / 50	3 / 380 - 415 / 50
			3 / 380 / 60	3 / 380 / 60	3 / 380 / 60	3 / 380 / 60
Sound Pressure Level	Cooling	dB(A)	60	58	60	56
	Heating	dB(A)	62	63	62	62
Sound Power Level	Cooling	dB(A)	74	72	74	70
	Heating	dB(A)	76	77	76	76

* 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 unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

* 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 unit 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

ARWB600LAS4 / ARWB600LAS4 / ARWN680LAS4 / ARWN680LAS4

ARWB400LAS4

HP			62	64	68	70
Model Name	Combination Unit		ARWB600LAS4	ARWB600LAS4	ARWN680LAS4	ARWN680LAS4
	Independent Unit		ARWB200LAS4 ARWB200LAS4 ARWB140LAS4 ARWB080LAS4	ARWB200LAS4 ARWB200LAS4 ARWB100LAS4	ARWN200LAS4 ARWN200LAS4 ARWN140LAS4 ARWN140LAS4	ARWN200LAS4 ARWN200LAS4 ARWN200LAS4 ARWN100LAS4
Capacity	Cooling	kW	173.6	179.2	190.4	196.0
	Heating	kW	195.3	201.6	214.2	220.5
Input	Cooling	kW	34.10	35.33	38.08	38.69
	Heating	kW	35.71	36.85	39.68	40.35
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 4	(Inverter) x 4	(Inverter) x 4	(Inverter) x 4
	Piston Displacement	cm ³ /rev	62.1 + 62.1 + 43.8 + 43.8	62.1 + 62.1 + 43.8 + 43.8	62.1 + 62.1 + 43.8 + 43.8	62.1 + 62.1 + 62.1 + 43.8
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3 + 5.3 + 4.2 + 4.2	5.3 + 5.3 + 4.2 + 4.2	5.3 + 5.3 + 4.2 + 4.2	5.3 + 5.3 + 5.3 + 4.2
	Starting Method		Direct On Line	Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D (PVE)	FVC68D (PVE)	FVC71D (PVE)	FVC71D (PVE)
	Oil Charge Amount	cc	(1 400 x 2 + 1200 x 2) +(1 600 x 4)	(1 400 x 2 + 1200 x 2) +(1 600 x 4)	(1 400 x 2 + 1200 x 2) +(1 600 x 4)	(1 400 x 3 + 1 200) +(1 600 x 4)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm ²	45	45	45	45
	Head Loss	kPa	30.1 + 30.1 + 28.6 + 10.7	30.1 + 30.1 + 28.6 + 15.8	30.1 + 30.1 + 28.6 + 28.6	30.1 + 30.1 + 30.1 + 15.8
	Rated Water Flow	LPM	192 + 192+ 135 + 77	192 + 192+ 135 + 96	192 + 192 + 135 + 135	192 + 192 + 192 + 96
Temp. range of	Cooling	10°C - 45°C (50°F - 113°F)				
Circulation water	Heating	-5°C - 45°C (23°F - 113°F)				
Refrigerant Connecting Pipes	Liquid Pipes	mm (inch)	19.05 (3/4)	19.05 (3/4)	22.2 (7/8)	22.2 (7/8)
	Low Pressure Gas Pipes	mm (inch)	41.3 (1-5/8)	41.3 (1-5/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High Pressure Gas Pipes	mm (inch)	34.9 (1-3/8)	34.9 (1-3/8)	44.5 (1-3/4)	44.5 (1-3/4)
Water Connecting Pipes	Inlet	mm	PT40 + PT40 + PT40 (Internal)	PT40 + PT40 + PT40 (Internal)	PT 40 + PT 40 + PT 40 + PT40	PT 40 + PT 40 + PT 40 + PT40
	Outlet	mm	PT40 + PT40 + PT40 (Internal)	PT40 + PT40 + PT40 (Internal)	PT 40 + PT 40 + PT 40 + PT40	PT 40 + PT 40 + PT 40 + PT40
	Drain Outlet	mm	PT20 (3/4, External)	PT20 (3/4, External)	PT20 (3/4, External)	PT20 (3/4, External)
	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
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)	
	lbs	(309 x 2) + (280X2)	(309 x 2) + (280X2)	(309 x 2) + (280 X 2)	(309 x 2) + (280 X 2)	
Transmission Cable (CVV-SB)	mm ²	1.0 -1.5 x 2C	1.0 -1.5 x 2C	1.0 -1.5 x 5C	1.0 -1.5 x 5C	
Refrigerant	Name		R410A	R410A	R410A	R410A
	Charge Amount	kg	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
	Control Device		EEV	EEV	EEV	EEV
Power Supply	∅ / V / Hz	3 / 380 - 415 / 50				
Sound Pressure Level	Cooling	dB(A)	61	61	61	60
	Heating	dB(A)	64	64	63	65
Sound Power Level	Cooling	dB(A)	75	75	75	74
	Heating	dB(A)	79	79	77	80

* 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 unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)

HP			74	80
Model Name	Combination Unit		ARWN740LAS4	ARWN800LAS4
	Independent Unit		ARWN200LAS4 ARWN200LAS4 ARWN200LAS4 ARWN140LAS4	ARWN200LAS4 ARWN200LAS4 ARWN200LAS4 ARWN200LAS4
Capacity	Cooling	kW	184.8	201.6
	Heating	kW	207.9	226.8
Input	Cooling	kW	35.53	38.76
	Heating	kW	37.14	40.52
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 4	(Inverter) x 4
	Piston Displacement	cm ³ /rev	62.1 + 62.1 + 62.1 + 43.8	62.1 + 62.1 + 62.1 + 62.1
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3 + 5.3 + 5.3 + 4.2	5.3 + 5.3 + 5.3 + 5.3
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC74D (PVE)	FVC77D (PVE)
	Oil Charge Amount	cc	(1 400 x 3 + 1 200) + (1 600 x 4)	(1 400 + 1 600) x 4
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm ²	45	45
	Head Loss	kPa	30.1 + 30.1 + 30.1 + 28.6	30.1 + 30.1 + 30.1 + 30.1
	Rated Water Flow	LPM	192 + 192 + 192 + 135	192 + 192 + 192 + 192
Temp. range of	Cooling	10°C - 45°C (50°F - 119°F)		
Circulation water	Heating	-5°C - 45°C (23°F - 119°F)		
Refrigerant Connecting Pipes	Liquid Pipes	mm (inch)	22.2 (7/8)	22.2 (7/8)
	Low Pressure Gas Pipes	mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)
	High Pressure Gas Pipes	mm (inch)	44.5 (1-3/4)	44.5 (1-3/4)
Water Connecting Pipes	Inlet	mm	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
	Drain Outlet	mm	PT20 (3/4, External)	PT20 (3/4, External)
Dimensions (W x H x D)	mm	(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 4	
	lbs	(309 x 3) + (280 x 1)	309 x 4	
Transmission Cable (CVV-SB)	mm ²	1.0 -1.5 x 8C	1.0 -1.5 x 11C	
Refrigerant	Name		R410A	R410A
	Charge Amount	kg	3.0 + 3.0 + 3.0 + 5.8	3.0 + 3.0 + 3.0 + 3.0
	Control Device		EEV	EEV
Power Supply	∅ / V / Hz	9 / 380 - 415 / 50		
Sound Pressure Level	Cooling	dB(A)	61	57
	Heating	dB(A)	63	63
Sound Power Level	Cooling	dB(A)	75	71
	Heating	dB(A)	77	77

* 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 unit is operating under 10°C (50°F), and change the DIP switch on main PCB. (For more information on installation section.)