



Type				Mid Temp.	Mid Temp.
Model				ARNH04GK2A2	ARNH10GK2A2
Power Supply		ø/ V / Hz		1 / 220 - 240 / 50	1 / 220 - 240 / 50
Capacity (Rated)	Cooling		kW	12.3	28
	Heating		kW	13.8	31.5
Power Input	Cooling	Max	kW	0.01	0.01
	Heating	Max	kW	0.01	0.01
Water Outlet Temperature	Cooling	M in	°C	6	6
	Heating	Max	°C	50	50
Casing				Painted Steel Plate	Painted Steel Plate
Dimensions	Body	WxHxD	mm	520 x 631 x 330	520 x 631 x 330
			inch	20-15/32 x 24-27/32 x 13	20-15/32 x 24-27/32 x 13
Net Weight			kg(lbs)	30.4(67)	35.0(77.2)
Heat Exchanger	Refrigerant to Water	Type		Brazed Plate Hex	Brazed Plate Hex
		Rated Water Flow	L/min	39.6	92.0
	Head Loss	kPa		41.0	69.0
	Refrigerant to Refrigerant	Type			
Compressor	Water Side	Inlet	inch	Male PT 1	Male PT 1
		Outlet	inch	Male PT 1	Male PT 1
	Refrigerant Side	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)
		Gas Side	mm(inch)	15.88(5/8)	22.2(7/8)
Drain Piping Connection			mm(inch)	Male PT 1	Male PT 1
Sound Pressure Level	Cooling		dB(A)	26	26
	Heating		dB(A)	26	26
Power Supply Cable			No. x mm <sup>2</sup>	3C x CV2.5	3C x CV2.5
Communication cable			No. x mm <sup>2</sup>	2C x CVV-SB 1.0-1.5	2C x CVV-SB 1.0-1.5
Refrigerant	Refrigerant to Refrigerant	Refrigerant type			
		Control			
	Refrigerant to Water	Refrigerant type		R410A	R410A
		Precharged Amount	kg(lbs)	-	-
		Control		EEV	EEV
Operation range	Connected to Heat pump	Cooling	°C(DB)	-5°C - 43°C	-5°C - 43°C
		Heating	°C(DB)	-20°C - 35°C	-20°C - 35°C
	Connected to Heat recovery	Cooling	°C(DB)	-5°C - 43°C	-5°C - 43°C
		Heating	°C(DB)	-20°C - 43°C	-20°C - 43°C
Combination ratio	Only hydrokit	Min -Max	%	50 - 100	50 - 100
	Hydrokit + standard IDUs	Min -Max	%	50 - 130	50 - 130

**Note :**

1. Capacities are based on the following conditions:

Cooling - Indoor 27°C(80.6°F) DB / 19°C(66.2°F) WB, Outdoor 35°C(95°F) DB / 24°C(75.2°F) WB, Water Inlet 23°C(73.4°F) / Outlet 18°C(64.4°F)

Heating - Indoor 20°C(68°F) DB / 15°C(59°F) WB, Outdoor 7°C(44.6°F) DB / 6°C(42.8°F) WB, \* Water Inlet 30°C(86°F) / Outlet 35°C(95°F),

\*\* Water Inlet 55°C(131°F) / Outlet 65°C(149°F)

3. Piping Length : Interconnected Pipe Length = 7.5m

4. Difference Limit of Elevation (Outdoor - Indoor Unit) is Zero.

\* Medium Temp. \*\* High Temp.



Type				High Temp.	High Temp.
Model				ARNH04GK3A2	ARNH08GK3A2
Power Supply		ø/ V / Hz		1 / 220 - 240 / 50	1 / 220 - 240 / 50
Capacity (Rated)	Cooling		kW	-	-
	Heating		kW	13.8	25.2
Power Input	Cooling	Max	kW	-	-
	Heating	Max	kW	2.30	5.00
Water Outlet Temperature	Cooling	M in	°C	-	-
	Heating	Max	°C	80	80
Casing				Painted Steel Plate	Painted Steel Plate
Dimensions	Body	WxHxD	mm	520 x 1,080 x 330	520 x 1,080 x 330
			inch	20-15/32 x 42-17/32 x 13	20-15/32 x 42-17/32 x 13
Net Weight			kg(lbs)	88.0 (194.0)	94.0(207.2)
Heat Exchanger	Refrigerant to Water	Type		Brazed Plate Hex	Brazed Plate Hex
		Rated Water Flow	L/min	19.8	36.0
	Head Loss	kPa		5	20
	Refrigerant to Refrigerant	Type		Brazed Plate Hex	Brazed Plate Hex
Compressor	Water Side	Inlet	inch	Male PT 1	Male PT 1
		Outlet	inch	Male PT 1	Male PT 1
Piping Connections	Refrigerant Side	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)
		Gas Side	mm(inch)	15.88(5/8)	19.05(3/4)
Drain Piping Connection			mm(inch)	Male PT 1	Male PT 1
Sound Pressure Level	Cooling		dB(A)	-	-
	Heating		dB(A)	43	43
Power Supply Cable			No. x mm <sup>2</sup>	3C x CV4.0	3C x CV4.0
Communication cable			No. x mm <sup>2</sup>	2C x CVV-SB 1.0-1.5	2C x CVV-SB 1.0-1.5
Refrigerant	Refrigerant to Refrigerant	Refrigerant type		R410A	R410A
		Control		EEV	EEV
	Refrigerant to Water	Refrigerant type		R134a	R134a
		Precharged Amount	kg(lbs)	2.3(5.1)	3.0(6.6)
		Control		EEV	EEV
Operation range	Connected to Heat pump	Cooling	°C(DB)	-5°C - 43°C	-5°C - 43°C
		Heating	°C(DB)	-20°C - 35°C	-20°C - 35°C
	Connected to Heat recovery	Cooling	°C(DB)	-5°C - 43°C	-5°C - 43°C
		Heating	°C(DB)	-20°C - 43°C	-20°C - 43°C
Combination ratio	Only hydrokit	Min -Max	%	50 - 100	50 - 100
	Hydrokit + standard IDUs	Min -Max	%	50 - 130	50 - 130

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