

HYDRO KIT

AVAILABLE FROM
MID 2018 ONWARDS

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ARNH04GK2A4/ ARNH10GK2A4

Type				Low Temp.		Low Temp.	
Model				ARNH04GK2A4		ARNH10GK2A4	
Power Supply			Ø / V / Hz	1 / 220-240 / 50 1 / 220 / 60		1 / 220-240 / 50 1 / 220 / 60	
Capacity (Rated)	Cooling	kW		12.3		28.0	
	Heating	kW		13.8		31.5	
Power Input	Cooling	Nomal	kW	0.01		0.01	
	Heating	Nomal	kW	0.01		0.01	
Water Outlet Temperature	Cooling	Min	°C	5°C		5°C	
	Heating	Max	°C	50°C		50°C	
Casing				Painted Steel Plate		Painted Steel Plate	
Dimensions	Body	W x H x D	mm	520 × 631 × 330		520 × 631 × 330	
			inch	20-15 / 32 x 24-27 / 32 x13		20-15 / 32 x 24-27 / 32 x13	
Net Weight			kg (lbs)	30.5 (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		Type	-		-		
Piping Connections	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	
Refrigerant	Refrigerant to Refrigerant	Refrigerant Type		-		-	
		Control		-		-	
	Refrigerant to Water	Refrigerant Type		R410A		R410A	
		Precharged Amount	kg (lbs)	-		-	
Control		EEV		EEV			
Operation Range	Connctected to Heat Pump	Cooling	°C (DB)	10°C ~ 43°C		10°C ~ 43°C	
		Heating	°C (DB)	-20°C ~ 35°C		-20°C ~ 35°C	
	Connctected to Heat Recovery	Cooling	°C (DB)	10°C ~ 43°C		10°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	

* This product contains Fluorinated Greenhouse Gases. (R410A)

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)

2. Piping Length : Interconnected Pipe Length = 7.5m

3. Difference Limit of Elevation (Outdoor ~ Indoor Unit) is Zero.

4. MULTI V S 4HP (ARUN040GSS0, ARUN040LSS0) cannot be connected to Hydro Kit.

5. MULTI V Water S cannot be connected to Hydro Kit.

6. Anti freezing liquid should be added under 10°C (outdoor temp.) during cooling mode.



ARNH04GK3A4/ ARNH08GK3A4

Type				High Temp.		High Temp.	
Model				ARNH04GK3A4		ARNH08GK3A4	
Power Supply			Ø / V / Hz	1 / 220-240 / 50 1 / 220 / 60		1 / 220-240 / 50 1 / 220 / 60	
Capacity (Rated)	Cooling	kW		-		-	
	Heating	kW		13.8		25.2	
Power Input	Cooling	Nomal	kW	-		-	
	Heating	Nomal	kW	2.3		5.0	
Water Outlet Temperature	Cooling	Min	°C	-		-	
	Heating	Max	°C	80°C		80°C	
Casing				Painted Steel Plate		Painted Steel Plate	
Dimensions	Body	W x H x D	mm	520 × 1,080 × 330		520 × 1,080 × 330	
			inch	20-15 / 32 x 42-17 / 32 x13		20-15 / 32 x 42-17 / 32 x13	
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	5.0		20.0	
	Refrigerant to Refrigerant	Type	Brazed Plate HEX		Brazed Plate HEX		
Compressor		Type	Twin Rotary Inverter		Twin Rotary Inverter		
Piping Connections	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)		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	
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	Connctected to Heat Pump	Cooling	°C (DB)	-		-	
		Heating	°C (DB)	-20°C ~ 35°C		-20°C ~ 35°C	
	Connctected to Heat Recovery	Cooling	°C (DB)	-		-	
		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	

* This product contains Fluorinated Greenhouse Gases. (R410A, R134A)

Note : 1. Capacities are based on the following conditions :

- 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 55°C (131°F) / Outlet 65°C (149°F)

2. Piping Length : Interconnected Pipe Length = 7.5m

3. Difference Limit of Elevation (Outdoor ~ Indoor Unit) is Zero.

4. MULTI V S 4HP (ARUN040GSS0, ARUN040LSS0) cannot be connected to Hydro Kit.

5. MULTI V Water S cannot be connected to Hydro Kit.