

ARNH04GK2B4 / ARNH10GK2B4
ARNH16GK2B4



MODEL		UNIT	ARNH04GK2B4	ARNH10GK2B4	ARNH16GK2B4
Capacity (Rated)	Cooling	kW	12.3	28.0	46.4
		kcal/h	10,580	24,100	39,900
	Heating	litu/h	42,000	95,000	158,300
		kW	13.8	31.5	52.0
Input (Rated)	Cooling	kcal/h	11,870	27,100	44,700
		litu/h	47,000	107,500	177,400
	Heating	kW	0.01	0.01	0.01
		kcal/h	0.01	0.01	0.01
Casing	Material	-	Painted Steel Plate	Painted Steel Plate	Painted Steel Plate
		Color (RAL code)	RAL 7030	RAL 7030	RAL 7030
	Net	Body (W x H x D)	520 x 631 x 330	520 x 631 x 330	520 x 631 x 330
		mm	520 x 631 x 330	520 x 631 x 330	520 x 631 x 330
Dimensions	Net	Body (W x H x D)	20-15/32 x 24-27/32 x 13	20-15/32 x 24-27/32 x 13	20-15/32 x 24-27/32 x 13
		inch	20-15/32 x 24-27/32 x 13	20-15/32 x 24-27/32 x 13	20-15/32 x 24-27/32 x 13
	Type	Body	30.5 (61.2)	35.5 (78.3)	47 (103.6)
		kg (lbs)	Brazed Plate HEX	Brazed Plate HEX	Brazed Plate HEX
Heat Exchanger	Refrigerant	Quantity	EA	1	1
		Number of Plate	EA	26	48
	to Water	Rated Water Flow	l / min	39.6	92.0
		Head Loss	kPa	41.0	69.0
Flow Sensor	Type	Model	SIKA VVX20	SIKA VVX25	SIKA VVX25
		Measuring Range (Min. ~ Max.)	5 ~ 80	7 ~ 150	7 ~ 150
	Flow (Trigger Point, Min.)	l / min	7.0	15.0	15.0
		l / min	7.0	15.0	15.0
Temperature Control	Water Tank	Type (Sensor Holder)	-	Microprocessor, Thermostat for Cooling and Heating	-
		Length	Male PT 1/2	Male PT 1/2	Male PT 1/2
Temperature Sensor	Safety Device	Length	12	12	12
		Insulation Material	Foamed Polystyrene	Foamed Polystyrene	Foamed Polystyrene
Piping Connections	Water Side	Inlet	Male PT 1	Male PT 1	Male PT 1 1/4
		Outlet	Male PT 1	Male PT 1	Male PT 1 1/4
	Refrigerant Side	Liquid	mm(inch)	09.52 (3/8)	09.52 (3/8)
		Gas	mm(inch)	015.88 (5/8)	022.2 (7/8)
Drain Piping Connection	Cooling	mm	Male PT 1	Male PT 1	Male PT 1
		mm	Male PT 1	Male PT 1	Male PT 1
Sound Pressure Level	Heating	dB(A)	26	26	30
		dB(A)	26	26	30
Transmission Cable	Refrigerant name	Refrigerant name	R410A / R32	R410A / R32	R410A / R32
		Additional Refrigerant Charge Amount	0.8 (1.76) / 0.66 (1.46)	1.60 (3.53) / 1.32 (2.91)	2.4 (5.29) / 2.9 (6.39)
Refrigerant	to Water	GWP (Global Warming Potential)	2,087.5	2,087.5	2,087.5
		Control	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Running Current	V, Ø, Hz	220-240, 1.50	220-240, 1.50	220-240, 1.50
		Cooling / Heating	0.13 - 0.13 - 0.13	0.13 - 0.13 - 0.13	0.13 - 0.13 - 0.13

1) Nominal Performance tested under EN14511
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 20°C (68°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 Water 5 cannot be connected to Hydro Kit.
5. Anti-freezing liquid should be added under 0°C (Outdoor temp.) during cooling mode.
6. Due to our policy of innovation some specifications may be changed without notification.

Accessories

CHASSIS	ARNH04GK2B4	ARNH10GK2B4	ARNH16GK2B4
Drain Pump	-	-	-
Cassette Cover	-	-	-
Refrigerant Leak Detector	-	PLRDNV50 (R410A), PLDRNV15 (R32)	-
EEV Kit	-	○	-
Multi-tenant Power Module	-	-	-
Robot Cleaner	-	-	-
Pre Filter (Washable)	-	-	-
Ion Generator	-	-	-
CO ₂ Sensor	-	-	-
Ventilation Kit	-	-	-
IR Receiver	-	-	-
Zone Controller	-	-	-
Dry Contact (with additional accessory)	-	PORYCB000 (1 point contact), PORYCB320	-
External Input (1 point)	-	○	-
Wi-Fi	-	PWFMDD202	-

○: Not Applied, - : Not applied
Option: Refer to model name in table

ARNH04GK3B4 / ARNH08GK3B4
ARNH04LK3B4 / ARNH08LK3B4



MODEL		UNIT	ARNH04GK3B4	ARNH08GK3B4	ARNH04LK3B4	ARNH08LK3B4
Capacity (Rated)	Cooling	kW	13.8	25.2	13.8	25.2
		kcal/h	11,870	21,700	11,870	21,700
	Heating	litu/h	47,000	86,000	47,000	86,000
		kW	2.30	5.00	2.30	5.00
Input (Rated)	Cooling	kcal/h	11,870	21,700	11,870	21,700
		litu/h	47,000	86,000	47,000	86,000
	Heating	kW	2.30	5.00	2.30	5.00
		kcal/h	11,870	21,700	11,870	21,700
Casing	Material	-	Painted Steel Plate	Painted Steel Plate	Painted Steel Plate	Painted Steel Plate
		Color (RAL code)	RAL 7030	RAL 7030	RAL 7030	RAL 7030
	Net	Body (W x H x D)	520 x 1,074 x 330	520 x 1,074 x 330	520 x 1,074 x 330	520 x 1,074 x 330
		mm	520 x 1,074 x 330	520 x 1,074 x 330	520 x 1,074 x 330	520 x 1,074 x 330
Dimensions	Net	Body (W x H x D)	20-15/32 x 42-9/32 x 13	20-15/32 x 42-9/32 x 13	20-15/32 x 42-9/32 x 13	20-15/32 x 42-9/32 x 13
		inch	20-15/32 x 42-9/32 x 13	20-15/32 x 42-9/32 x 13	20-15/32 x 42-9/32 x 13	20-15/32 x 42-9/32 x 13
	Type	Body	86.0 (189.5)	90.0 (198.4)	84.0 (185.2)	90.0 (198.4)
		kg (lbs)	Brazed Plate HEX	Brazed Plate HEX	Brazed Plate HEX	Brazed Plate HEX
Weight	Refrigerant	Quantity	EA	1	1	1
		Number of Plate	EA	50	60	50
	to Water	Rated Water Flow	l / min	48	76	48
		Head Loss	kPa	19.8	36	19.8
Heat Exchanger	Refrigerant	Type	-	SIKA VVX20	SIKA VVX20	SIKA VVX20
		Measuring Range (Min. ~ Max.)	5 ~ 80	5 ~ 80	5 ~ 80	5 ~ 80
	Flow (Trigger Point, Min.)	l / min	7.0	7.0	7.0	7.0
		l / min	7.0	7.0	7.0	7.0
Flow Sensor	Type	Model	SIKA VVX20	SIKA VVX20	SIKA VVX20	SIKA VVX20
		Measuring Range (Min. ~ Max.)	5 ~ 80	5 ~ 80	5 ~ 80	5 ~ 80
	Flow (Trigger Point, Min.)	l / min	7.0	7.0	7.0	7.0
		l / min	7.0	7.0	7.0	7.0
Compressor	Piston Displacement	cm ³ /rev	52.5	52.5	52.5	52.5
		Number of Revolution	rev/min	3,600	3,600	3,600
	Motor Output x Number	W x No.	4,000 x 1	4,000 x 1	4,000 x 1	4,000 x 1
		Starting Method	Direct On Line	Direct On Line	Direct On Line	Direct On Line
Temperature Control	Water Tank	Type (Sensor Holder)	-	Microprocessor, Thermostat for Heating	-	-
		Length	Male PT 1/2	Male PT 1/2	Male PT 1/2	Male PT 1/2
	Temperature Sensor	Length	12	12	12	12
		Insulation Material	Foamed Polystyrene	Foamed Polystyrene	Foamed Polystyrene	Foamed Polystyrene
Safety Device	Fuse, High Pressure Switch	Refrigerant name	Male PT1	Male PT1	Male PT1	Male PT1
		Additional Refrigerant	Male PT1	Male PT1	Male PT1	Male PT1
	Piping Connections	Liquid	mm(inch)	09.52 (3/8)	09.52 (3/8)	09.52 (3/8)
		Gas	mm(inch)	015.88 (5/8)	015.88 (5/8)	015.88 (5/8)
Drain Piping Connection	Cooling	mm	Male PT 1	Male PT 1	Male PT 1	Male PT 1
		mm	Male PT 1	Male PT 1	Male PT 1	Male PT 1
Sound Pressure Level	Heating	dB(A)	44	46	44	46
		dB(A)	44	46	44	46
Transmission Cable	Refrigerant name	Refrigerant name	R410A / R32	R410A / R32	R410A / R32	R410A / R32
		Additional Refrigerant	0.8 (1.8) / 0.66 (1.5)	1.0 (2.2) / 0.83 (1.8)	0.8 (1.8) / 0.66 (1.5)	1.0 (2.2) / 0.83 (1.8)
Refrigerant	to Water	GWP (Global Warming Potential)	2,087.5	2,087.5	2,087.5	2,087.5
		Control	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Running Current	V, Ø, Hz	220-240, 1.50	220-240, 1.50	220-240, 1.50	220-240, 1.50
		Cooling / Heating	10.56 - 10.10 - 9.68	21.00 - 22.00 - 21.08	6.95 - 5.75 - 5.54	13.16 - 12.50 - 12.05

1) Nominal Performance tested under EN14511
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 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 Water 5 cannot be connected to Hydro Kit.
5. Due to our policy of innovation some specifications may be changed without notification.

Accessories

CHASSIS	ARNH04GK3B4	ARNH08GK3B4	ARNH04LK3B4	ARNH08LK3B4
Drain Pump	-	-	-	-
Cassette Cover	-	-	-	-
Refrigerant Leak Detector	-	PLRDNV50 (R410A), PLDRNV15 (R32)	-	-
EEV Kit	-	○	-	-
Multi-tenant Power Module	-	-	-	-
Robot Cleaner	-	-	-	-
Pre Filter (Washable)	-	-	-	-
Ion Generator	-	-	-	-
CO ₂ Sensor	-	-	-	-
Ventilation Kit	-	-	-	-
IR Receiver	-	-	-	-
Zone Controller	-	-	-	-
Dry Contact (with additional accessory)	-	PORYCB000 (1 point contact), PORYCB320	-	-
External Input (1 point)	-	○	-	-
Wi-Fi	-	PWFMDD202	-	-

○: Not Applied, - : Not applied
Option: Refer to model name in table