

ARNH04GK3B4 / ARNH08GK3B4

ARNH04LK3B4 / ARNH08LK3B4



MODEL			UNIT	ARNH04GK3B4	ARNH08GK3B4	ARNH04LK3B4	ARNH08LK3B4
Capacity (Rated)	Heating		kW	13.8	25.2	13.8	25.2
			kcal/h	11,870	21,700	11,870	21,700
Input (Rated)	Heating		Btu/h	47,000	86,000	47,000	86,000
			kW	2.30	5.00	2.30	5.00
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
Dimensions	Net	Body (W x H x D)	mm	520 x 1,074 x 330	520 x 1,074 x 330	520 x1,074 x 330	520 x1,074 x 330
			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
Weight	Net	Body	kg (lbs)	86.0 (189.6)	90.0 (198.4)	84.0 (185.2)	90.0 (198.4)
Heat Exchanger	Refrigerant to Refrigerant	Type	-	Brazed Plate HEX	Brazed Plate HEX	Brazed Plate HEX	Brazed Plate HEX
		Quantity	EA	1	1	1	1
	Refrigerant to Water	Number of Plate	EA	50	60	50	60
		Type	-	Brazed Plate HEX	Brazed Plate HEX	Brazed Plate HEX	Brazed Plate HEX
	Refrigerant to Water	Quantity	EA	1	1	1	1
		Number of Plate	EA	76	48	76	48
	Refrigerant to Water	Rated Water Flow	l / min	19.8	36	19.8	36
		Head Loss	kPa	5	20	5	20
	Flow Sensor	Type	-	Vortex	Vortex	Vortex	Vortex
		Model	-	SIKA VVX20	SIKA VVX20	SIKA VVX20	SIKA VVX20
Mesasuring Range (Min. ~ Max.)		l / min	5 ~ 80	5 ~ 80	5 ~ 80	5 ~ 80	
Flow (Trigger Point, Min.)		l / min	7.0	7.0	7.0	7.0	
Compressor	Type	-	Twin Rotary Inverter	Twin Rotary Inverter	Twin Rotary Inverter	Twin Rotary Inverter	
	Piston Displacement	cm³/rev	52.5	52.5	52.5	52.5	
	Number of Revolution	rev/min	3,600	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	
	Oil Type	-	FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)	
	Oil Charge	cc	1,300	1,300	1,300	1,300	
Temperature Control		-	Microprocessor, Thermostat for Heating				
Water Tank	Type(Sensor Holder)	inch	Male PT 1/2	Male PT 1/2	Male PT 1/2	Male PT 1/2	
Temperature Sensor		Length	m	12	12	12	
Sound Absorbing Thermal Insulation Material			-	Foamed Polystyrene			
Safety Device			-	Fuse, High Pressure Switch			
Piping	Water Side	Inlet	inch	Male PT1	Male PT 1	Male PT1	Male PT 1
		Outlet	inch	Male PT1	Male PT 1	Male PT1	Male PT 1
Connections	Refrigerant Side	Liquid	mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
		Gas	mm(inch)	Ø15.88 (5/8)	Ø19.05 (3/4)	Ø15.88 (5/8)	Ø19.05 (3/4)
Drain Piping Connection				Male PT 1	Male PT 1	Male PT1	Male PT 1
Sound Pressure Level		Heating	dB(A)	44	46	44	46
Transmission Cable			mm²	2C x 1.0-1.5	2C x 1.0-1.5	2C x 1.0-1.5	2C x 1.0-1.5
Refrigerant	Refrigerant to Water	Refrigerant name	-	R410A / R32	R410A / R32	R410A / R32	R410A / R32
		GWP (Global Warming Potential)	-	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)
		Control	-	Electronic Expansion Valve			
	Refrigerant to Water	Refrigerant name	-	R134A	R134A	R134A	R134A
		Additional Refrigerant Charge Amount	kg (lbs)	2.3 (5.1)	3.0 (6.6)	2.3 (5.1)	3.0 (6.6)
		GWP (Global Warming Potential)	-	3.29	4.29	3.29	4.29
		Control	-	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		V / Ø / Hz	220-230-240, 1, 50/60	220-230-240 / 1 / 50/60	380-400-415 / 3 / 50/60	380-400-415 / 3 / 50/60	
Running Current		Cooling / Heating	A	10.56 - 10.10 - 9.68	23.00 - 22.00 - 21.08	6.05 - 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 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 Water S 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		PRLDNVSO (R410A), PLDRNV1S (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)		PDRYCB000 (1 point contact), PDRYCB320		
External Input (1 point)		○		
Wi-Fi		PWFMDD200		

※ ○ : Applied, - : Not applied

Option : Refer to model name in table