

# High Static Pressure Ducted Type Indoor Units



## High Static Pressure Ducted Type Indoor Unit with Condensate Pump

### High Static Pressure Design

Static pressure can be up to 150Pa, making it ideally suitable for buildings where long distance airflow is required.

### Ease of Maintenance

The system has maintenance port for easy access maintenance, service and repair. Basic washable filters.

### Intelligent Condensate Drain

Intelligent condensate drain pump can effectively drain up to 39 inches in height, saving space. Pump included in up to 54k Btu units.

### Flexible Installation

This indoor unit can be installed with circular or rectangular air duct. Different styles of return air duct can also be selected based on building requirements.

### Protection Function

The system monitors itself for:

- Freeze protection
- Fan motor overload
- Temperature sensor malfunction
- "Premium" Wired controller (WRC1) included

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18K to 96K BTU - 60 Hz

Model			BDDH-5.6(18)SAK	BDDH-7.1(24)SAK
Capacity	Cooling	MBtu/h	18.0	24.0
		kW	5.3	7.0
	Heating	MBtu/h	20.0	27.0
		kW	6.3	8.0
Power Supply		Ph-V-Hz	1-208~230-60	
Power Consumption		W	120	130
Airflow Volume (H/M/L)		M <sup>3</sup> /Hr	1000/800/600	1100/900/700
		CFM	590/471/355	650/530/410
Rated Current <sup>2</sup>	Cooling	A	0.6	
	Heating	A	0.6	
ESP		Pa (in. wc)	70/0~100 (0.28/0.40)	
Sound Level* (H/M/L)		dB(A)	44/40/36	45/41/37
Connecting Pipe Diameter	Liquid Line	in. (mm)	3/8 (9.52)	
	Suction Line	in. (mm)	5/8 (15.9)	
Drain Pipe	External Diameter	in. (mm)	1 (25.4)	
	Thickness	inch	3/32	
Outline Dimension	WxDxH	inch	50 x 22 x 10-1/2	
		mm	1271 x 558 x 268	
Package Dimension	WxDxH	inch	53-1/8 x 23-1/2 x 11-1/8	
		mm	1348 x 597 x 283	
Net Weight/Gross Weight		lb	77/88	
		kg	35/40	

Model			BDDH-9.0(30)SAK	BDDH-11.2(36)SAK	BDDH-12.5(42)SAK
Capacity	Cooling	MBtu/h	30.0	36.0	42.0
		kW	8.8	10.6	12.5
	Heating	MBtu/h	34.0	40.0	47.0
		kW	10.0	11.7	13.8
Power Supply		Ph-V-Hz	1-208~230-60		
Power Consumption		W	200	220	
Airflow Volume (H/M/L)		M <sup>3</sup> /Hr	1700/1450/1100	2000/1550/1200	
		CFM	1000/853/650	1175/912/706	
Rated Current <sup>2</sup>	Cooling	A	1.0		
	Heating	A	1.0		
ESP		Pa (in. wc)	70/0~100 (0.28/0.40)		
Sound Level* (H/M/L)		dB(A)	46/44/42	48/45/42	
Connecting Pipe Diameter	Liquid Line	in. (mm)	3/8 (9.52)		
	Suction Line	in. (mm)	5/8 (15.9)		
Drain Pipe	External Diameter	in. (mm)	1 (25.4)		
	Thickness	inch	3/32		
Outline Dimension	WxDxH	inch	48-3/8 x 30-1/2 x 11-3/8		
		mm	1229 x 775 x 290		
Package Dimension	WxDxH	inch	52-5/8 x 34-1/2 x 12		
		mm	1338 x 877 x 305		
Net Weight/Gross Weight		lb	104/119		
		kg	47/54		

\* The noise level is measured 1/16 inch from the bottom center of the unit, in the semi-anechoic room. It will be slightly higher due to change of the environment during actual operation. The noise level is measured under the standard test condition. The noise level is measured under the condition of rear air return.

# High Static Pressure Ducted Type Indoor Units

## 18K to 96K BTU - 60 Hz (continued)

Model			BDDH-14.0(48)SAK	BDDH-22.0(72)-AK (1)	BDDH-28.0(96)-AK (1)
Capacity	Cooling	MBtu/h	48.0	69.0	92.0
		kW	14.0	20.0	27.0
	Heating	MBtu/h	54.0	77.0	103.0
		kW	15.8	22.6	30.2
Power Supply		Ph-V-Hz	1-208~230-60		
Power Consumption		W	220	800	900
Airflow Volume (H/M/L)		M <sup>3</sup> /Hr	2000/1700/1400	4000	4400
		CFM	1175/1000/824	2355/2100/1990	2590/2405/2300
Rated Current <sup>2</sup>	Cooling	A	1.0	4.1	4.6
	Heating	A	1.0	4.1	4.6
ESP		Pa (in. wc)	70/0~100 (0.28/0.40)	150/50~200 (0.60/0.20~0.80)	
Sound Level* (H/M/L)		dB(A)	48/46/44	54/51/49	55/52/50
Connecting Pipe Diameter	Liquid Line	in. (mm)	3/8 (9.52)		
	Suction Line	in. (mm)	5/8 (15.9)	7/8 (22.2)	
Drain Pipe	External Diameter	in. (mm)	1 (25.4)	1-3/16 (30)	
	Thickness	inch	3/32	1/16	
Outline Dimension	WxDxH	inch	48-3/8 x 30-1/2 x 11-1/2	58-3/8 x 31-1/8 x 15-1/8	66-3/8 x 34-1/4 x 17-3/4
		mm	1271 x 558 x 268	1483 x 791 x 385	1686 x 870 x 450
Package Dimension	WxDxH	inch	52-1/2 x 34-1/2 x 11-1/2	69-1/4 x 34-3/4 x 18-1/2	70-3/8 x 38-7/8 x 22-7/8
		mm	1348 x 597 x 283	1758x883x470	1788 x 988 x 580
Net Weight/Gross Weight		lb	104/119	181/229	231/309
		kg	47/54	82/104	105/140

\* The noise level is measured 1/16 inch from the bottom center of the unit, in the semi-anechoic room. It will be slightly higher due to change of the environment during actual operation.  
The noise level is measured under the standard test condition. The noise level is measured under the condition of rear air return.

(1) No condensate pump