

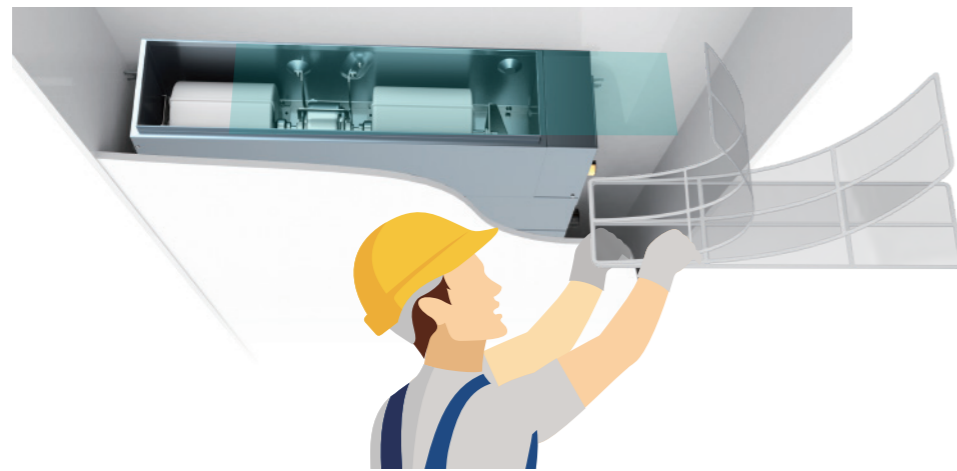
### Self-cleaning Function

The unit is featured with self-cleaning function. With just a press on the controller, the unit cleans itself automatically without manual intervention. It not only ensures clean and healthy air supply but also saves your valuable time and cost.



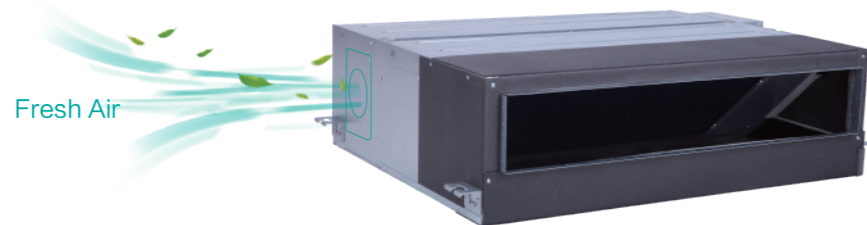
### New Improved Bendable Filters

Standard filters that comes with high/low static pressure ceiling ducted are now optimized to be bendable by improving the material's malleability to improve installation flexibility in narrow ceiling height and restricted spaces.



### Fresh Air Introducing

There is a fresh air duct opening reserved in the unit for 10% free fresh air introduced directly from outdoor, providing fresh air to the indoor continuously.



R32 | R410A

### Ceiling Ducted (DC High Static Pressure)



Model		AVD-07 HJDH	AVD-09 HJDH	AVD-12 HJDH	AVD-15 HJDH	AVD-19 HJDH	AVD-24 HJDH	AVD-24 HJDH1	AVD-30 HJDH	AVD-38 HJDH	AVD-42 HJDH	AVD-48 HJDH	AVD-54 HJDH	AVD-76 HJDH	AVD-96 HJDH	
Power Supply		AC 1 φ, 220V-240V/50Hz/60Hz														
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1	7.1	9.0	11.2	12.5	14.0	16.0	22.4	28.0
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	24,200	30,800	38,000	42,000	48,000	54,500	76,500	95,600
Capacity	Heating	kW	2.5	3.2	4.0	4.6	6.3	8.0	8.0	10.0	12.5	14	16.0	18.0	25.0	31.5
		Btu/h	8,500	10,900	13,700	17,100	21,600	27,400	27,400	34,200	42,500	48,000	54,500	61,500	85,300	107,500
Power Input	Cooling	W	40	40	55	55	55	82	74	100	132	180	180	223	610	830
	Heating	W	40	40	55	55	55	82	74	100	132	180	180	223	610	830
Sound Pressure Level	dB(A)	30/27/23/ 21/20/19	30/27/23/ 21/20/19	35/33/32/ 28/26/24	35/33/32/ 28/26/24	33/30/27/ 25/23/22	36/34/31/ 28/24/22	33/31/28/ 25/23/21	34/32/30/ 28/25/22	37/35/31/ 31/29/26	38/36/34/ 31/29/26	38/36/34/ 31/29/26	41/38/35/ 33/30/27	49/48/47/ 46/45/44	53/52/50/ 49/47/45	
Airflow Rate	m <sup>3</sup> /min	9/8/6.8/ 6.3/5.8/5.3	9/8/6.8/ 6.3/5.8/5.3	12/11/10/ 9/8/7.2	12/11/10/ 9/8/7.2	14.5/13/11.5/ 10.5/9.5/8.7	19/17/15/ 13/11/9.5	20.6/19/17/ 15/13.8/12.5	25/23/21/ 19/17/15	28/25/23/ 21/19/17	35.5/32.5/29.5/ 26.5/23.5/20.5	35.5/32.5/29.5/ 26.5/23.5/20.5	39/35.5/31/ 26.5/23.5/21.8	57/54/52/ 51/49/48	72/68/65/ 61/58/50	
External Static Pressure	Pa	30 ( 30/40/50/60/70/80/90/100/110/120/130/140/150 )							50 ( 50/60/70/80/90/100/110/120/130/140/150/160/170/180/190/200 )					150(50-250)	150(50-250)	
Piping	Connection Type	-	Flare-Nut Connection(With Flare Nut)											Brazing		
	Liquid	mm	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ9.53	φ9.53	φ9.53	φ9.53	φ9.53	φ9.53	φ9.53	φ9.53	φ9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	mm	φ12.7	φ12.7	φ12.7	φ12.7	φ15.88	φ15.88	φ15.88	φ15.88	φ15.88	φ15.88	φ15.88	φ15.88	φ22.2 (φ19.05 <sup>*1</sup> )	φ22.2
inch		1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	7/8 (3/4 <sup>*1</sup> )	7/8	
Condensate Drain	-	I.D. 32														
Weight	Net Weight	kg	23	23	24	24	30	30	40	40	40	49	49	49	104	104
	Gross Weight	kg	29	29	29	29	37	37	48	48	48	57	57	57	125	125
Dimensions	External	H mm	270	270	270	270	270	270	300	300	300	300	300	300	470	470
		W mm	650+75	650+75	650+75	650+75	900+75	900+75	1100+75	1100+75	1100+75	1400+75	1400+75	1400+75	1250	1250
		D mm	720	720	720	720	720	720	800	800	800	800	800	800	1120	1120
	Packing	H mm	385	385	385	385	385	385	415	415	415	415	415	415	546	546
		W mm	895	895	895	895	1140	1140	1345	1345	1345	1640	1640	1640	1466	1466
		D mm	870	870	870	870	870	870	950	950	950	950	950	950	1345	1345

Notes:

- The nominal cooling capacity and heating capacity are based on the following conditions:  
Cooling Operation Conditions  
Indoor Air Inlet Temperature: 27° C DB(80° F DB), 19.0° C WB(66.2° F WB)  
Outdoor Air Inlet Temperature: 35° C DB(95° F DB)  
Heating Operation Conditions  
Indoor Air Inlet Temperature: 20° C DB(68° F DB),  
Outdoor Air Inlet Temperature: 7° C DB(45° F DB), 6° C WB(43° F WB)  
Piping Length: 7.5 Meters Piping Lift: 0 Meter

- The sound pressure level is based on following conditions.  
1.5m below the unit; With 2.0m discharge duct and 1.0m return duct  
The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
- \*1: The size of AVD-76° series gas pipe is φ22.2mm when leaving the factory, and the diameter can be changed to 19.05mm after welding the adapter pipe.