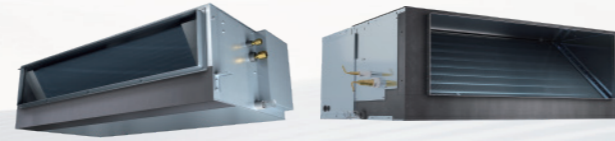


Ceiling Ducted (High Static Pressure)



Model	AVD-07 HCFCH	AVD-09 HCFCH	AVD-12H CFCH	AVD-15H CFCH	AVD-19 HCFCH	AVD-22 HCFCH	AVD-24 HCFCH	AVD-27 HCFCH	AVD-30 HCFCH	AVD-38 HCFCH	AVD-48 HCFCH	AVD-54 HCFCH		
Power Supply	AC 1 φ, 220V~240V/50Hz													
Model	AVD-07 H3FCH	AVD-09 H3FCH	AVD-12 H3FCH	AVD-15 H3FCH	AVD-19 H3FCH	AVD-22 H3FCH	AVD-24 H3FCH	AVD-27 H3FCH	AVD-30 H3FCH	AVD-38 H3FCH	AVD-48 H3FCH	AVD-54 H3FCH		
Power Supply	AC 1 φ, 208~230V/60Hz													
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0
		Btu/h	7,500	9,600	12,300	15,400	19,100	21,600	24,200	27,400	30,800	38,000	48,000	54,500
Capacity	Heating	kW	2.5	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0
		Btu/h	8,500	10,900	13,700	17,100	21,600	24,200	27,400	30,800	34,200	42,500	54,500	61,500
Power Input	Cooling	kW	0.10(0.13*)	0.10(0.13*)	0.13(0.16*)	0.13(0.16*)	0.14(0.21*)	0.19(0.24*)	0.19(0.24*)	0.25(0.34*)	0.25(0.34*)	0.25(0.34*)	0.34(0.45*)	0.43(0.59*)
	Heating	kW	0.10(0.13*)	0.10(0.13*)	0.13(0.16*)	0.13(0.16*)	0.14(0.21*)	0.19(0.24*)	0.19(0.24*)	0.25(0.34*)	0.25(0.34*)	0.25(0.34*)	0.34(0.45*)	0.43(0.59*)
Sound Pressure	220~240V/50Hz	dB(A)	32/27/25	32/27/25	35/32/26	35/32/26	36/35/30	39/32/25	39/32/25	42/39/34	42/39/34	42/39/34	43/40/35	46/40/35
	208V/60Hz	dB(A)	33/28/24	33/28/24	37/34/29	37/34/29	37/35/29	39/32/25	39/32/25	42/38/33	42/38/33	42/38/33	44/39/34	45/40/34
	230V/60Hz	dB(A)	37/33/28	37/33/28	40/38/33	40/38/33	42/40/34	43/37/30	43/37/30	44/42/37	44/42/37	44/42/37	47/43/38	46/42/38
Air Flow(Hi/Me/Lo)	m³/min	9/7/6	9/7/6	12/10/8.5	12/10/8.5	15/13/10	19/14/10	19/14/10	28/24/19.5	28/24/19.5	28/24/19.5	35.5/29/24	39/31/24	
External Static Pressure	220~240V/50Hz 208V/60Hz	Pa	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	120(90)	120(90)	120(90)	120(90)	120(90)	
	230V/60Hz	Pa	80(105)	80(105)	90(115)	90(115)	90(115)	90(115)	170(150)	170(150)	170(150)	170(150)	170(150)	
Piping	Connection Type	-	Flare-nut Connection (with Flare Nuts)											
	Liquid	mm	φ 6.35	φ 6.35	φ 6.35	φ 6.35	φ 6.35	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53
		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
	Gas	mm	φ 12.70	φ 12.70	φ 12.70	φ 12.70	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 15.88
		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
Condensate Drain	mm	I.D.32												
Weight	Net Weight	kg	25(24*)	25(24*)	25(24*)	25(24*)	30(31*)	30(31*)	30(31*)	45(44*)	45(44*)	45(44*)	53(50*)	53(50*)
	Gross Weight	kg	31(30*)	31(30*)	31(30*)	31(30*)	36(38*)	37(38*)	37(38*)	52(52*)	52(52*)	52(52*)	61(59*)	61(59*)
Dimensions	External	H mm	270	270	270	270	270	270	270	300	300	300	300	300
		W mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	1100+75	1100+75	1100+75	1400+75	1400+75
		D mm	720	720	720	720	720	720	720	800	800	800	800	800
	Packaging	H mm	385	385	385	385	385	385	385	415	415	415	415	415
		W mm	895	895	895	895	1140	1140	1140	1345	1345	1345	1640	1640
		D mm	870	870	870	870	870	870	870	950	950	950	950	950

Notes:
 1.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)
 Piping Length: 7.5 Meters Piping Lift: 0 Meter
 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)

2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.
 With discharge duct (2.0m) and return duct (1.0m).
 The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.
 3. When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.
 *: The value noted *1 is the parameter of the indoor units with power supply 208~230V/60Hz.

Ceiling Ducted (Low Static Pressure)



Model	AVD-07 HCFCL	AVD-09 HCFCL	AVD-12 HCFCL	AVD-15 HCFCL	AVD-19 HCFCL	AVD-22 HCFCL	AVD-24 HCFCL	AVD-27 HCFCL	AVD-30 HCFCL	AVD-38 HCFCL	AVD-48 HCFCL	AVD-54 HCFCL		
Power Supply	AC 1 φ, 220V~240V/50Hz													
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0
		Btu/h	7,500	9,600	12,300	15,400	19,100	21,600	24,200	27,400	30,800	38,000	48,000	54,500
Capacity	Heating	kW	2.5	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0
		Btu/h	8,500	10,900	13,700	17,100	21,600	24,200	27,400	30,800	34,200	42,500	54,500	61,500
Power Input	Cooling	W	60	60	110	110	90	160	160	240	240	240	290	360
	Heating	W	60	60	110	110	90	160	160	240	240	240	290	360
Sound Pressure	dB(A)	27/23/21	27/23/21	34/30/25	34/30/25	32/30/26	35/28/24	35/28/24	38/33/30	38/33/30	38/33/30	41/38/33	44/39/33	
Air Flow Rate (Hi/Me/Lo)	m³/min	9/7/6	9/7/6	12/10/8.5	12/10/8.5	15/13/10	19/14/10	19/14/10	28/24/19.5	28/24/19.5	28/24/19.5	35.5/29/24	39/31/24	
External Static Pressure	Pa	30	30	30	30	30	30	60	60	60	60	60		
Piping	Connection Type	-	Flare-nut Connection (with Flare Nuts)											
	Liquid	mm	φ 6.35	φ 6.35	φ 6.35	φ 6.35	φ 6.35	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53
		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
	Gas	mm	φ 12.70	φ 12.70	φ 12.70	φ 12.70	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 15.88	
		inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	
Condensate Drain	mm	I.D.32												
Weight	Net Weight	kg	25	25	25	25	30	30	30	45	45	45	52	52
	Gross Weight	kg	31	31	31	31	36	37	37	52	52	52	61	61
Dimensions	External	H mm	270	270	270	270	270	270	270	300	300	300	300	300
		W mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	1100+75	1100+75	1100+75	1400+75	1400+75
		D mm	720	720	720	720	720	720	720	800	800	800	800	800
	Packaging	H mm	385	385	385	385	385	385	385	415	415	415	415	415
		W mm	895	895	895	895	1140	1140	1140	1345	1345	1345	1640	1640
		D mm	870	870	870	870	870	870	870	950	950	950	950	950

Notes:
 1.The nominal cooling capacity and heating capacity are based on the following conditions:
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