

### Ceiling Ducted (AC Low Height)



Model		AVE-05 HCFRL	AVE-07 HCFRL	AVE-09 HCFRL	AVE-12 HCFRL	AVE-15 HCFRL	AVE-17 HCFRL	AVE-19 HCFRL	AVE-22 HCFRL	AVE-24 HCFRL		
Power Supply		AC 1 φ, 220V~240V/50Hz										
Capacity	Cooling	kW	1.7	2.2	2.8	3.6	4.5	5.0	5.6	6.3	7.1	
		Btu/h	5,800	7,500	9,600	12,300	15,300	17,100	19,100	21,500	24,200	
	Heating	kW	1.9	2.5	3.2	4.0	5.0	5.6	6.3	7.1	8.0	
		Btu/h	6,500	8,500	11,300	13,600	17,100	19,100	21,500	24,200	27,300	
Power Input	Cooling	W	50	50	70	70	80	80	100	120	120	
	Heating	W	50	50	70	70	80	80	100	120	120	
Sound Pressure	dB(A)	29/24/22	29/24/22	35/25/23	35/25/23	36/25/23	36/25/23	35/25/23	39/26/25	39/26/25		
Airflow Rate	m³/min	7/5.5/4.7	7/5.5/4.7	9/5.7/4.8	9/5.7/4.8	12/6.3/5.5	12/6.3/5.5	13.5/8/7.7	18/9.3/8.7	18/9.3/8.7		
External Static Pressure	Pa	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)		
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 6.35	φ 6.35	φ 6.35	φ 9.53	
		inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3/8	
	Gas	mm	φ 12.70	φ 12.70	φ 12.70	φ 12.70	φ 12.70	φ 12.70	φ 15.88	φ 15.88	φ 15.88	
		inch	1/2	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	
	Condensate Drain	mm	I.D.32									
Weight	Net Weight	kg	16	16	17	17	21	21	25	26	26	
	Gross Weight	kg	19	19	20	20	24	24	29	29	29	
Dimensions	External	H	mm	192	192	192	192	192	192	192	192	
		W	mm	700	700	700	700	910	910	1180	1180	1180
		D	mm	447	447	447	447	447	447	447	447	447
	Packaging	H	mm	270	270	270	270	270	270	270	270	
		W	mm	925	925	925	925	1136	1136	1406	1406	1406
		D	mm	574	574	574	574	574	574	574	574	574

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)  
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)
- The sound pressure level is based on the following conditions: 1.5m beneath the unit.  
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

### R32 | R410A

### Ceiling Ducted (DC Low Height)



Model		AVE-05HJDDH	AVE-07HJDDH	AVE-09HJDDH	AVE-12HJDDH	AVE-15HJDDH	AVE-19HJDDH	AVE-24HJDDH		
Power supply		AC 1 φ, 220V~240V/50Hz/60Hz								
Capacity	Cooling	kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	
		Btu/h	5,800	7,500	9,600	12,300	15,300	19,100	24,200	
	Heating	kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0	
		Btu/h	6,500	8,500	11,300	13,600	17,100	21,500	27,300	
Power Input	Cooling	W	30	30	50	50	60	60	90	
	Heating	W	30	30	50	50	60	60	90	
Sound Pressure	dB(A)	28/27/26/24/23/21	28/27/26/24/23/21	35/32/32/30/26/23	35/32/32/30/26/23	35/32/32/30/26/23	35/32/30/28/25/23	38/36/35/33/31/24		
Air Flow Rate	m³/min	7.0/6.5/6.1/	7.0/6.5/6.1/	9.0/8.1/7.3/	9.0/8.1/7.3/6.7/	12.0/10.8/9.4/	13.5/12.5/11.2/	18.0/16.1/14.3/		
External Static Pressure	Pa	5.7/5/3/4.8	5.7/5/3/4.8	6.7/5.9/5.2	5.9/5.2	8.1/6.8/5.5	10.0/8.8/7.7	12.3/10.5/8.7		
External Static Pressure	Pa	10(10-30-50)								
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)							
	Liquid	mm	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ9.53	
		inch	1/4	1/4	1/4	1/4	1/4	1/4	3/8	
	Gas	mm	φ12.7	φ12.7	φ12.7	φ12.7	φ12.7	φ15.88	φ15.88	
		inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8	
	Condensate Drain	mm	I.D.32							
Weight	Net Weight	kg	16	16	17	17	20	24	24	
	Gross Weight	kg	19	19	20	20	24	29	29	
Dimensions	External	H	mm	192	192	192	192	192	192	
		W	mm	700	700	700	700	910	1180	1180
		D	mm	447	447	447	447	447	447	447
	Packaging	H	mm	270	270	270	270	270	270	
		W	mm	925	925	925	925	1136	1406	1406
		D	mm	574	574	574	574	574	574	574

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