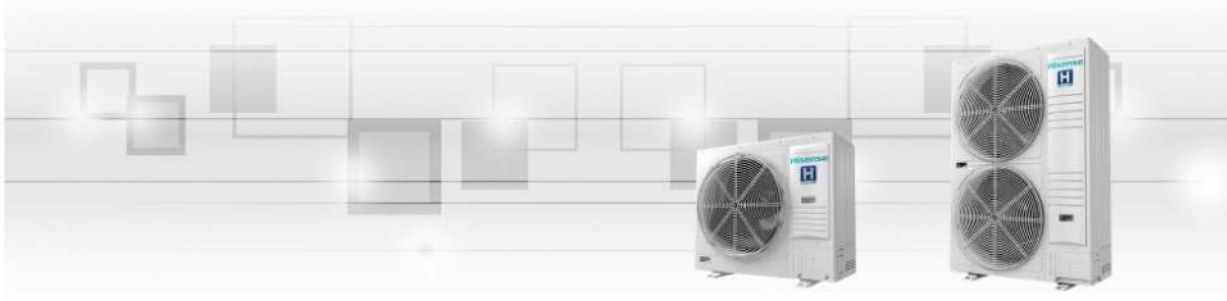


Hi-SMART H SERIES



Ton			2	3	4	5
Model	Model		AVW-28H3FH*	AVW-36H3FH	AVW-48H3FH	AVW-60H3FH
Power Supply			AC1 ϕ 208/230V/60Hz			
Cooling	Capacity	kW	8.0	10.6	14.1	16.9
		kBtu/h	27.3	36.0	48.0	57.5
	EER(Ducted/Non-ducted)	(Btu/h)/W	4.15	12.60/14.20	10.20/12.60	9.20/10.00
	SEER(Ducted/Non-ducted)	(Btu/h)/W	-	17.00/20.00	17.00/19.00	16.50/18.60
Heating	Capacity	kW	9.5	12.3	15.8	17.9
		kBtu/h	32.4	42.0	54.0	61.0
	COP 47°F(Ducted/Non-ducted)	kW/kW	4.01	4.00/4.50	3.40/4.10	3.10/3.40
	Low Temperature Heating Capacity	kW	-	7.6	9.4	10.3
		kBtu/h	-	26.00	32.00	35.00
	COP 17°F(Ducted/Non-ducted)	kW/kW	-	2.90/3.20	2.40/2.70	2.20/2.30
HSPF (Ducted/Non-ducted)	(Btu/h)/W	-	10.50/11.00	9.50/10.50	10.00/10.50	
MCA		A	23.2	31.4	32.8	33.2
MOP		A	30.0	40.0	45.0	45.0
Ventilation	Air Flow Rate	m ³ /min	49.5	90.0	90.0	100.0
		CFM	1,747.0	3,176.0	3,176.0	3,529.0
	Fan Quantity		1	2	2	2
Sound	Sound Pressure Level	dB(A)	50/52	50/52	52/54	53/55
Compressor	Type	-	Rotary Comp.			
	Compressor Quantity	PC	1	1	1	1
Refrigerant	Type	-	R410A			
	Pre-charged Amount	kg	2.5	3.8	3.8	4.1
		lbs.	5.5	8.4	8.4	9.0
Weight	Net Weight	kg	65	104	104	105
		lbs.	143	229	229	231
	Gross Weight	kg	74	116	116	116
		lbs.	163	256	256	256
Dimensions	External (H × W × D)	mm	800 × 950 × 370	1,380 × 950 × 370		
		in.	31-1/2 × 37-13/32 × 14-9/16	54-11/32 × 37-13/32 × 14-9/16		
	Packing(H × W × D)	mm	951 × 1,070 × 515	1,531 × 1,070 × 515		
		in.	37-7/16 × 42-1/8 × 20-9/32	60-9/32 × 42-1/8 × 20-9/32		
Cabinet Color	-	-	Ivory White			
Ref. Piping	Gas	mm	ϕ 15.88			
		in.	(5/8)			
	Liquid	mm	ϕ 9.53			
		in.	(3/8)			
Connectable Indoor Units	Quantity	PC	5	9	11	11
Piping Design	Height Difference Between ODU and IDU	m	20.0		30.0	
		ft.	65.6		98.4	
	Height Difference Between IDUs	m	3.5		10.0	
		ft.	11.0		32.8	
	Max. Piping Length	m	25.0		75.0	
		ft.	82.0		246.0	
Operation Range	Cooling	°C DB	-5~46		-5~46	
		°F DB	23~114		23~114	
	Heating	°C WB	-15~15.5		-20~15.5	
		°F WB	5~60		-4~60	

Notes: 3/4/5Ton

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:

Cooling conditions: indoor air inlet temperature: 80°F(26.7°C) DB 67°F(19.4°C) WB, Outdoor air inlet temperature: 95°F(35°C) DB.

Heating conditions: Indoor air inlet temperature: 70°F(21.1°C) DB, Outdoor air inlet temperature: 47°F(8.3°C) DB 43°F(6.1°C) WB.

Low Temp. Heating Conditions: Outdoor air inlet temperature: DB 17°F(-8.3°C), WB 15°F(-9.4°C).

2. The sound pressure level is based on following conditions: 4.9ft.(1.5m) beneath the unit.

The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Hi-SMART H SERIES



Ton			6	8	10
Model	Model		AVW-76HFFH	AVW-96HFFH	AVW-114HFFH
Power Supply			AC3Φ 208/230V/60Hz		
Cooling	Capacity	kW	22.4	28.0	33.5
		kBtu/h	76.5	95.6	114.0
	EER	kW/kW	3.56	3.37	3.13
Heating	Capacity	kW	25.0	31.5	37.5
		kBtu/h	85.3	107.5	128.0
	COP	kW/kW	4.24	4.04	3.79
MCA		A	26.0	34.0	44.0
MOP		A	35.0	45.0	60.0
Ventilation	Air Flow Rate	m ³ /min	121.0	150.0	163.0
		CFM	4,270.0	5,300.0	5750.0
Sound	Sound Pressure Level				
		dB(A)	53/55	56/58	56/61
Compressor	Type	-	Scroll Compressor		
	Compressor Quantity	PC	1		
Refrigerant	Type	-	R410A		
	Pre-charged Amount	kg	5.0	5.5	6.5
		lbs.	11.0	12.1	14.3
Weight	Net Weight	kg	162	168	171
		lbs.	357	370	377
	Gross Weight	kg	185	188	189
		lbs.	408	414	417
Dimensions	External (H × W × D)	mm	1650 × 1100 × 390		
		in.	64-31/32 × 3-5/16 × 15-3/8		
	Packing(H × W × D)	mm	1806 × 1185 × 530		
		in.	71-1/8 × 46-21/32 × 20-7/8		
Cabinet Color	-	Ivory White			
Ref. Piping	Gas	mm	Φ19.05	Φ22.2	Φ25.4
		in.	(3/4)	(7/8)	(1/1)
	Liquid	mm	Φ9.53	Φ12.7	Φ12.7
		in.	(3/8)	(1/2)	(1/2)
Connectable Indoor Units	Quantity	PC	10	10	10
Piping Design	Height Difference Between ODU and IDU	m	50.0/40.0* ¹		
		ft.	164.0/131.0* ¹		
	Height Difference Between IDUs	m	15.0		
		ft.	49.0		
Max. Piping Length	m	100.0			
	ft.	328.0			
Operation Range	Cooling	°C DB	-5~46		
		°F DB	23~114		
	Heating	°C WB	-20~-15.5		
		°F WB	-4~-60		

Notes: 2/6/8/10Ton

4. The cooling and heating performances are the values when combined with our specified indoor units.

Cooling operation conditions: Indoor air inlet temperature: 80.6°F DB(27°C DB)/66.2°F WB(19°C WB), Outdoor air inlet temperature: 95°F DB (35°C DB), Piping length: 24.6ft.(7.5m) piping lit: 0ft.(0m).

Heating operation conditions: Indoor air inlet temperature: 68°F DB(20°C DB), Outdoor air inlet temperature: 44.6°F DB(7°C DB) 42.8°F WB(6°C WB), Piping length: 24.6ft.(7.5m) piping lit: 0ft.(0m).

5. The sound pressure is based on the following conditions: 1 meter from the unit service cover surface, and 4.9ft.(1.5m) from floor level.

The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

6.*1 when the outdoor unit is above: 50m(164ft.) when the outdoor unit is below: 40m(131ft.).