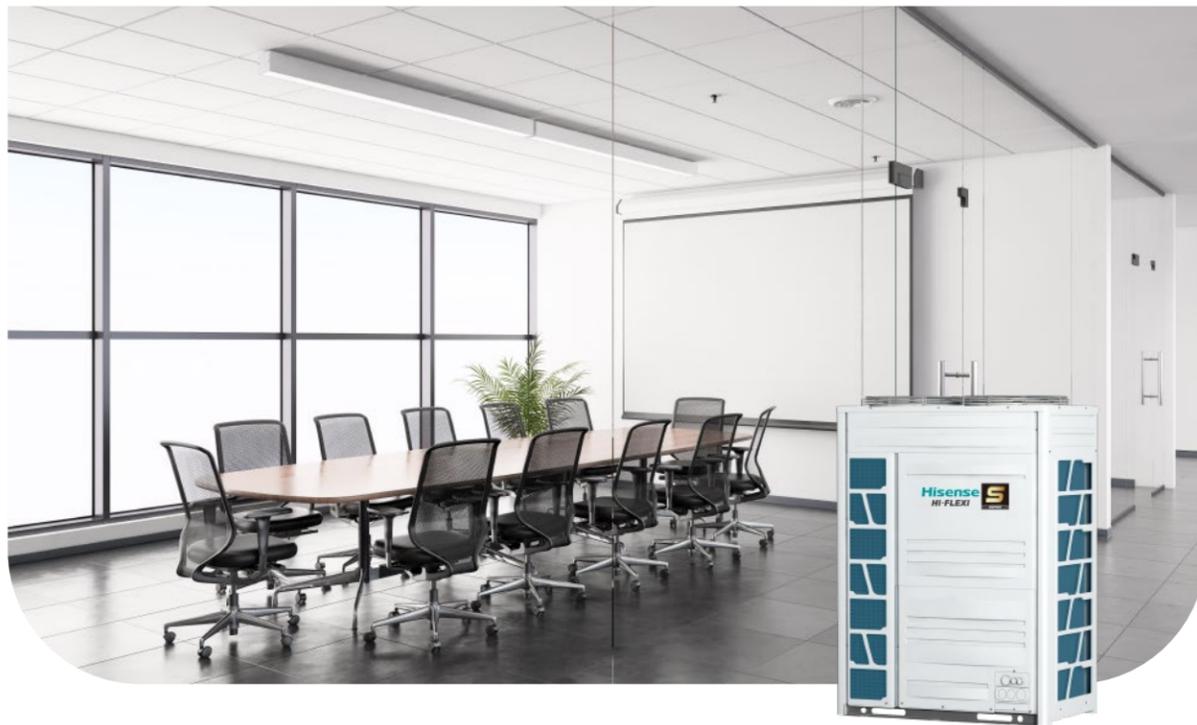


Hi-FLEXi S SERIES



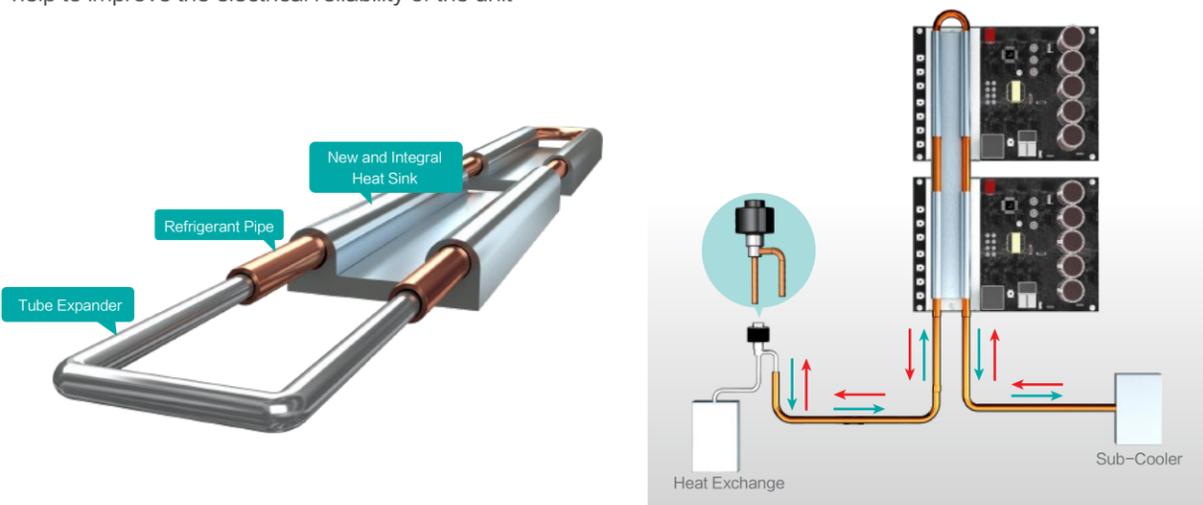
Hi-FLEXi S Series provides the best solution and wonderful experience to you. By connecting the Switch Box, you can build up a perfect system to integrate

360° fitted refrigerant cooling technology

With the 360° refrigerant cooling technology, Hi-FLEXi S Series will remove the heat from the main PCB, inverter module and outdoor unit's electrical box stably and efficiently. New and integral heat sink can help to improve the electrical reliability of the unit

indoor units, hydro box and AHU. Further more, it is very effective to achieve the full application of air side and water side and recycle heating.

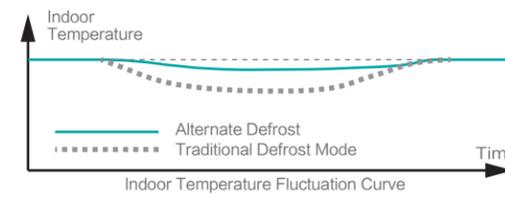
when it is running under high ambient temperature. This ensures stability and safety of the outdoor unit running and also prevents poor heat dissipation caused by the fan cycle rotation or stop mode.



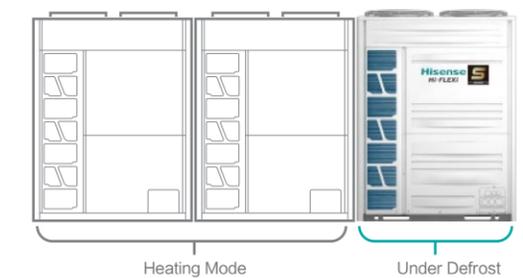
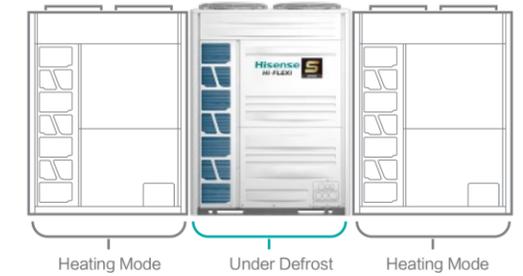
Hi-FLEXi S SERIES

Consecutive heating

Hi-FLEXi S Series can achieve only one module defrosted at a time. The indoor units temperature have



less fluctuation. So it can ensure continuous comfort during the whole heating.



Dual 20RT EEV

The 20RT EEV with 3000 steps extends the controlling range. Upgrading 10RT to 20RT and changing 480 steps to 3000 steps, its precision is improved.

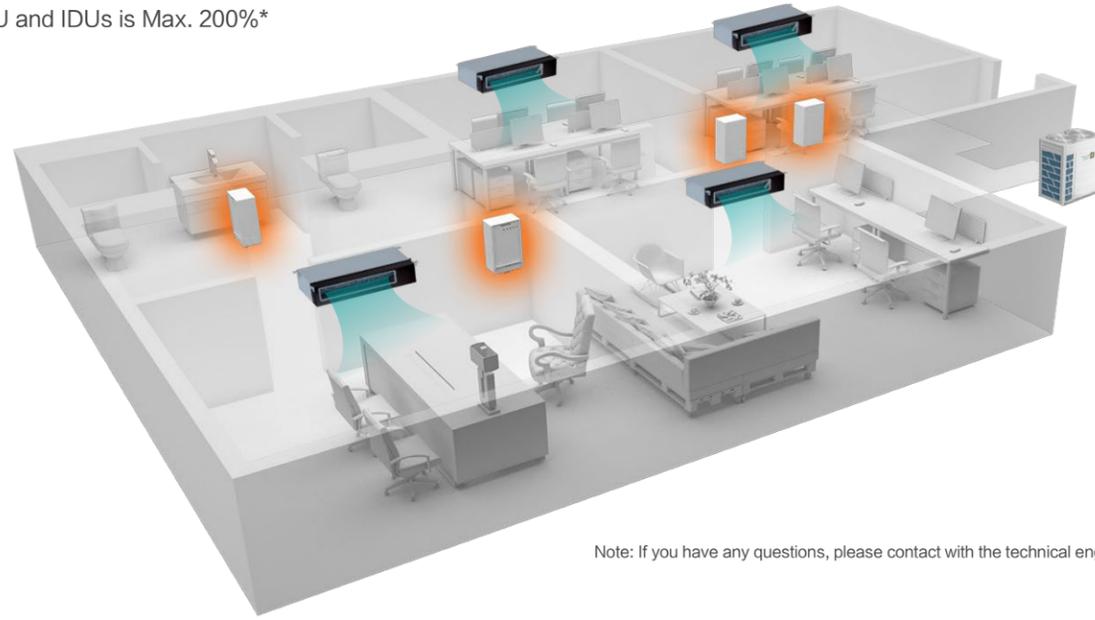
Also the new design can reduce pressure loss of heat exchange.



Hi-FLEXi S SERIES

Max. 200% — the match ratio of ODU and IDUs

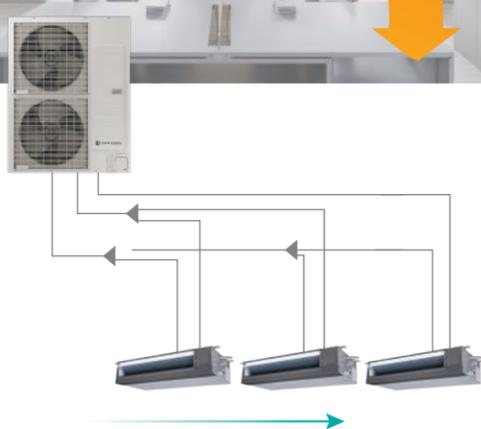
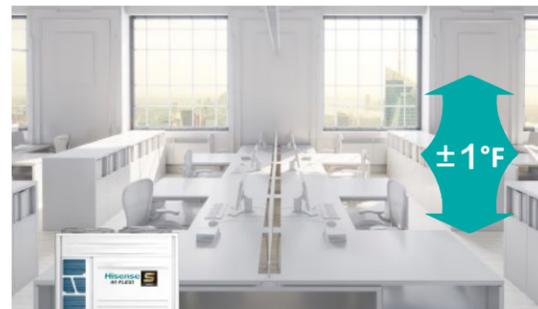
Hi-FLEXi S Series can realize that the match ratio of ODU and IDUs is Max. 200%*



Note: If you have any questions, please contact with the technical engineer.

Hydro box defrost

Hi-FLEXi S Series can choose hydro box defrost. There is no doubt that room temperature will be less fluctuation to keep comfort.



Hi-FLEXi S SERIES

Extra long pipe design

With extra long pipe, the height difference between the indoor unit and outdoor unit is up to 90m(295ft.)*, which makes installation more flexible.

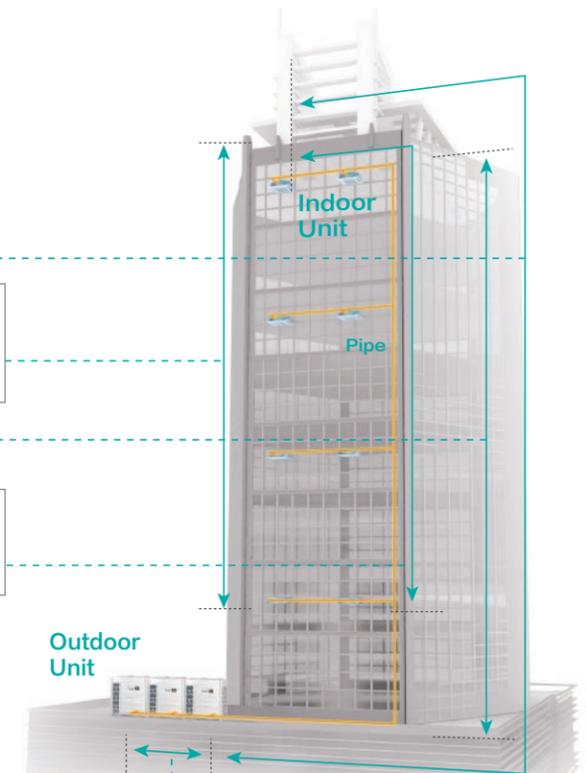
Maximum length of a single pipe:
190m(623ft.)
Total length of pipes:
1,000m(3,281ft.)

Maximum height difference
of indoor units:
15m(49ft.)(30m(98ft.))*

Maximum height difference
between indoor and outdoor units:
when the outdoor unit is above:
50m(164ft.)(90m(295ft.))*
when the outdoor unit is below:
40m(131ft.)(90m(295ft.))*

Maximum length from the
first branch pipe to the
farthest indoor unit:
90m(295ft.)

Max. pipe length between ODUs:
10m(33ft.)



*Note: If you have any questions, please contact technical engineer.

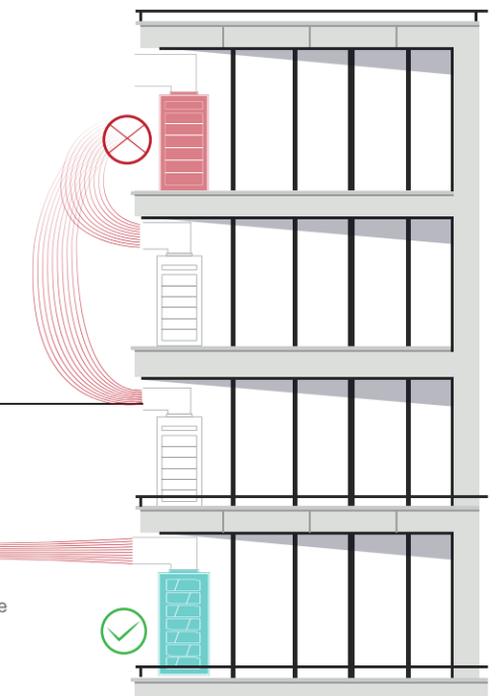
Fan static pressure adaptive technology

With static pressure adaptive technology, the fan of the outdoor unit can be adjusted in free static pressure based on system requirements to meet a variety of needs in different environments. The maximum external static pressure of the outdoor unit can be up to 110Pa(0.44in.W.G.)*, which provides better conditions for the layered installation and centralized installation. Higher static pressure and further distance of air supply of the outdoor unit ensure the smooth flow of air and solve condensing problems of the outdoor unit effectively.



Lower static pressure

Higher outdoor unit fan static pressure
ensures further discharge of air



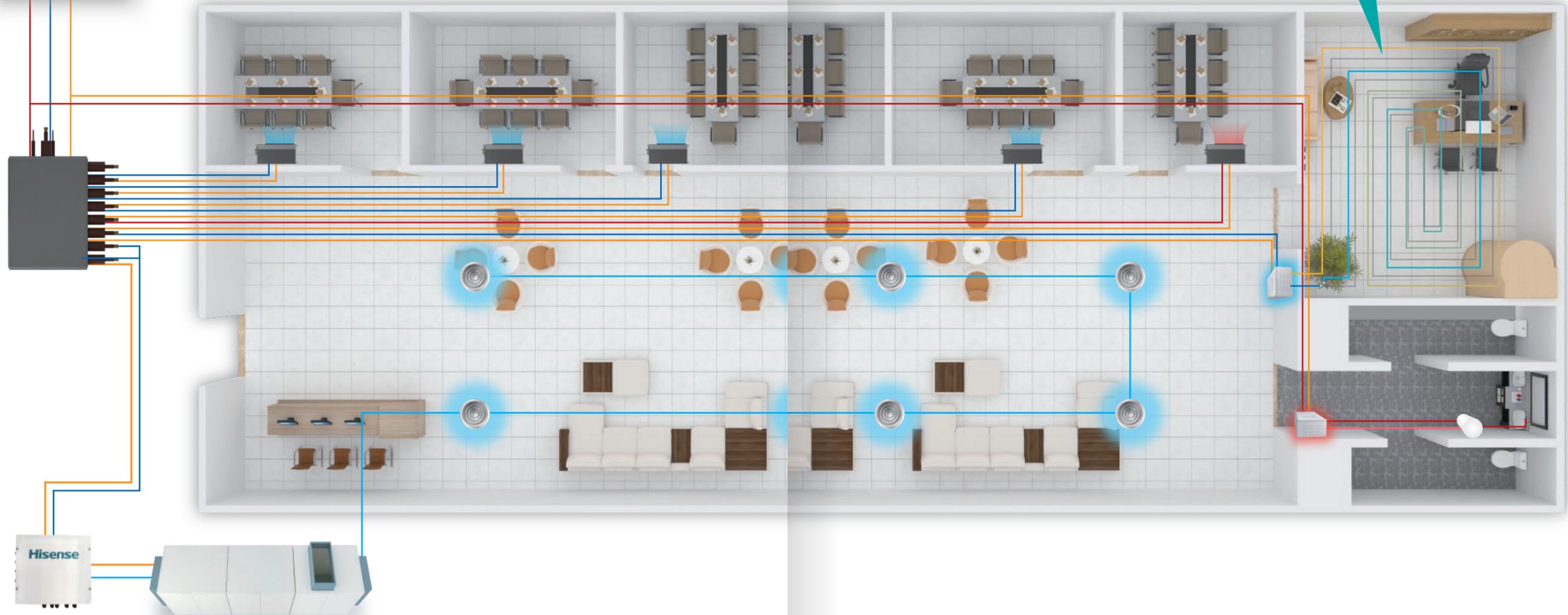
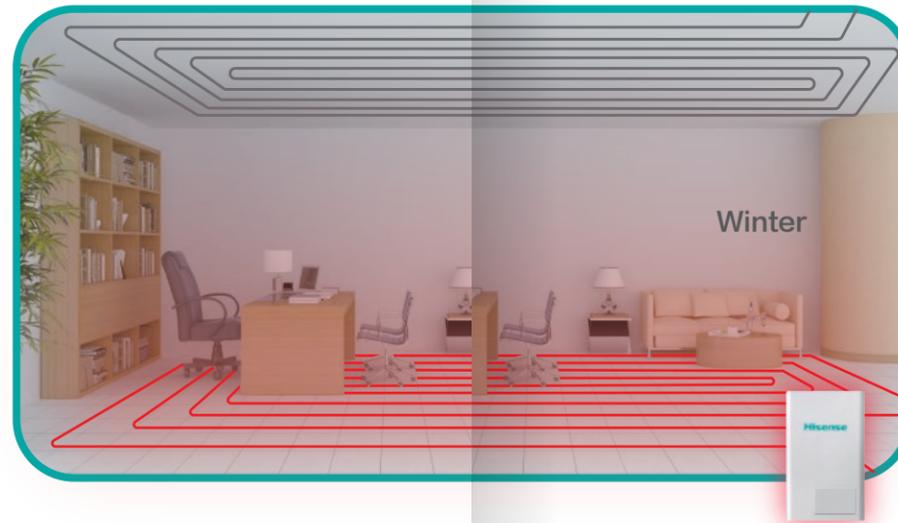
*Note: For detailed information, please contact Hisense's technical staff.

Hi-FLEXi S SERIES

Hi-FLEXi S SERIES

Heat Recovery Application Case

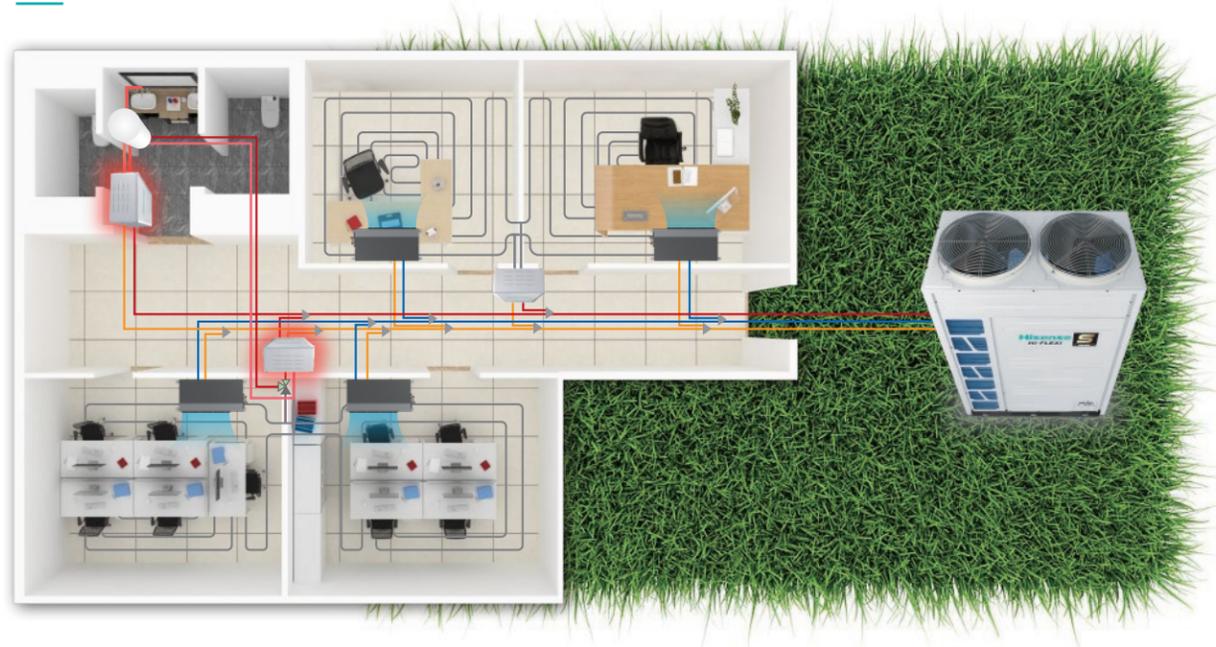
Simultaneous Cooling and Heating



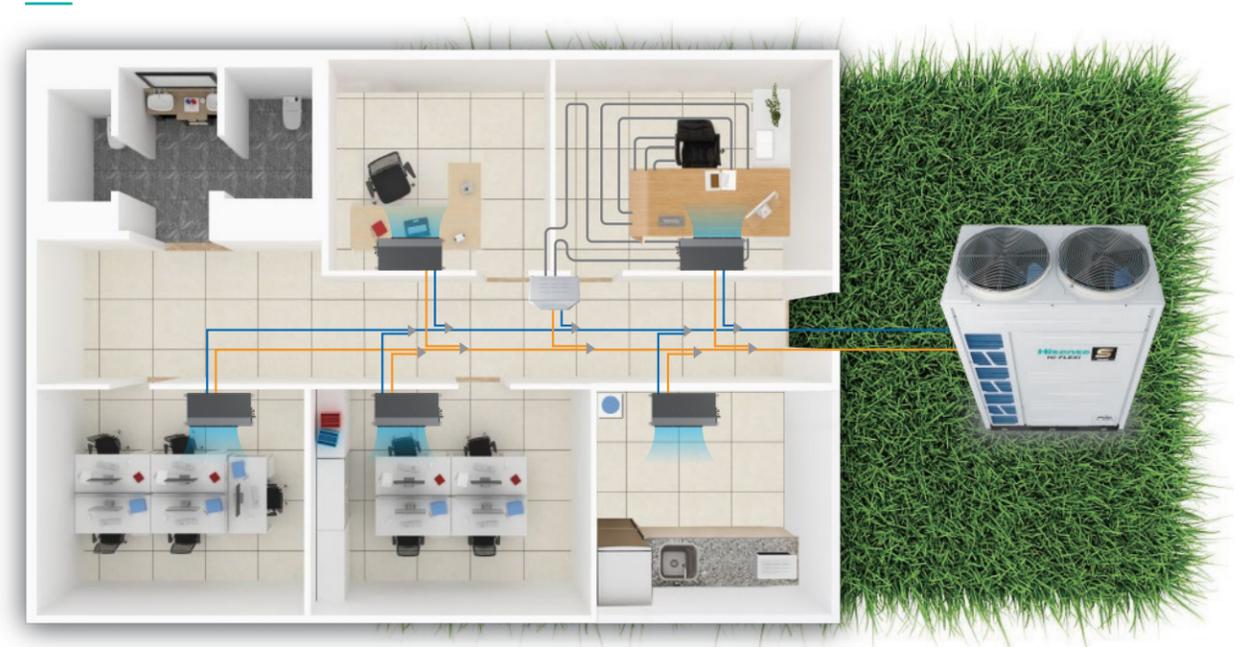
Hi-FLEXi S SERIES

Hi-FLEXi S SERIES

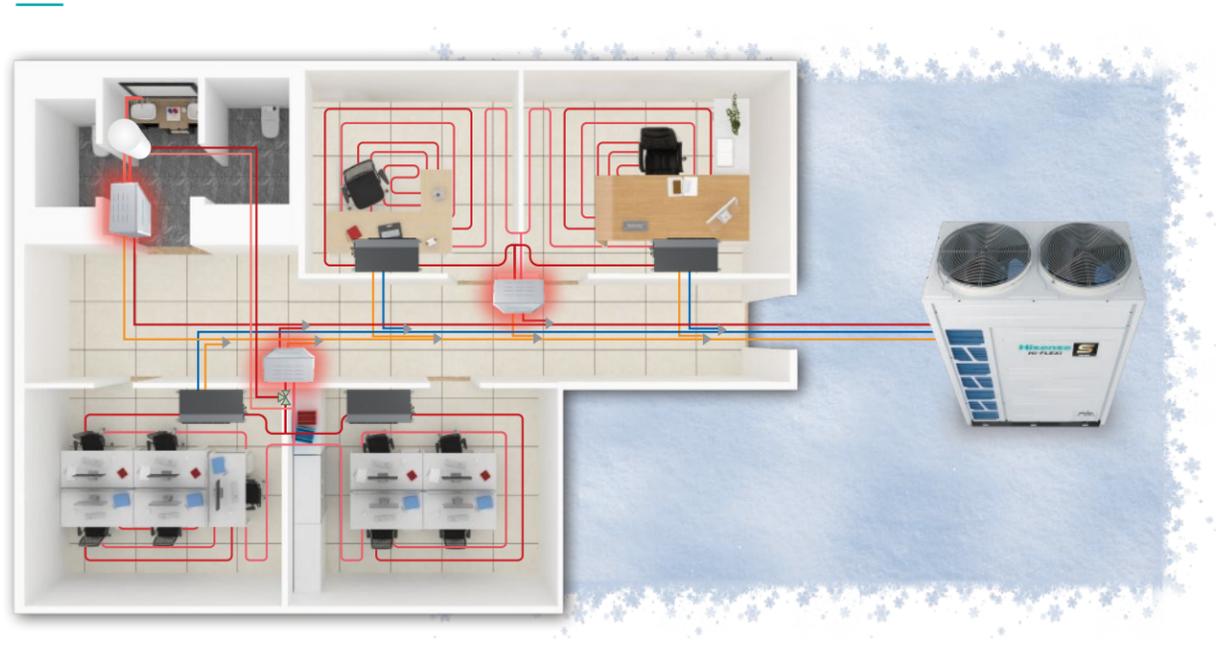
Heat Recovery Without Switch Box (Summer)



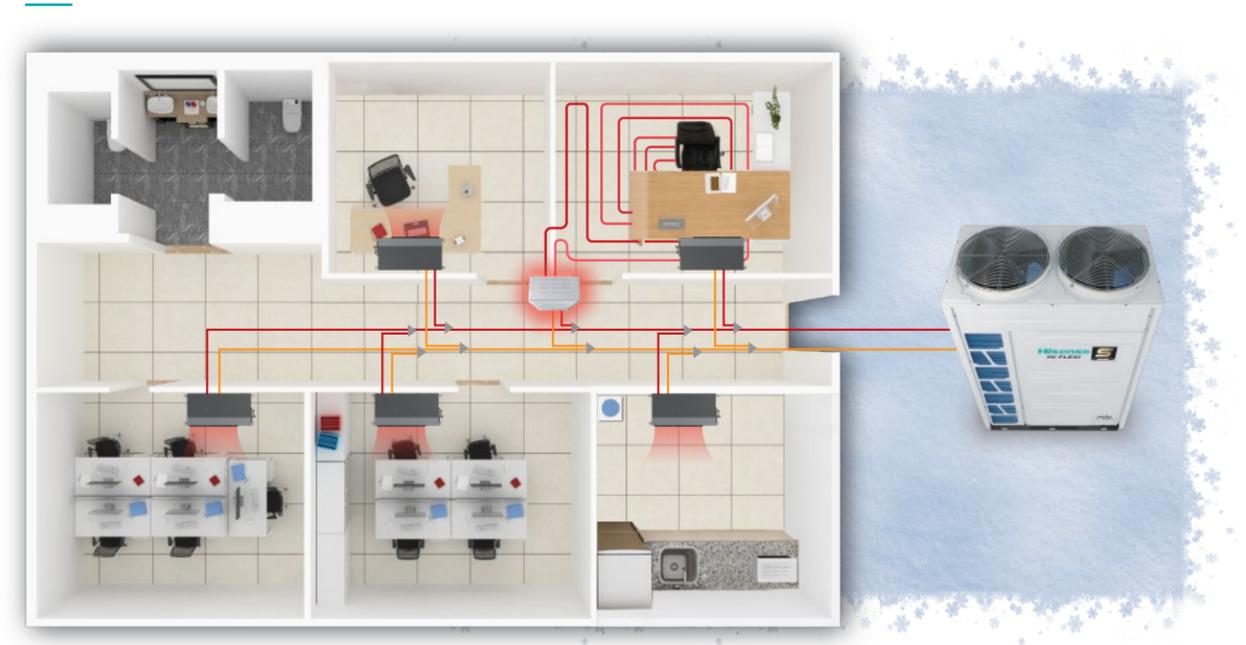
Heat Pump Mode (Summer)



Heat Recovery Without Switch Box (Winter)



Heat Pump Mode (Winter)



Hi-FLEXi S SERIES



Ton			6	8	10
Model			AVWT-72FFFH	AVWT-96FFFH	AVWT-120FFFH
Modules			-		
Power Supply			AC 3Φ 208/230V/60Hz		
Cooling	Capacity	kW	20.2	27.0	33.4
		kBtu/h	69.0	92.0	114.0
	EER(Ducted/Non-ducted)	(Btu/h)/W	12.15/14.80	11.80/14.05	11.80/13.90
	IEER(Ducted/Non-ducted)	(Btu/h)/W	23.60/31.30	23.40/32.00	23.20/31.65
Heating	Capacity	kW	22.0	29.3	36.9
		kBtu/h	75.0	100.0	126.0
	COP 47°F(Ducted/Non-ducted)	kW/kW	3.51/4.15	3.68/4.10	3.53/4.30
	Low Temperature Heating Capacity	kW	15.4	20.5	23.7
		kBtu/h	52.5	70.0	81.0
	COP 17°F(Ducted/Non-ducted)	kW/kW	2.32/2.69	2.39/2.65	2.39/2.81
	SCHE(Ducted/Non-ducted)	(Btu/h)/W	24.95/31.45	24.80/31.15	27.05/32.40
	MCA	A	34.3	41.2	49.3
	MOP	A	45	50	60
Ventilation	Air Flow Rate	m ³ /min	183	183	200
	Fan Quantity	CFM	6460	6460	7060
Sound	Sound Power Level	dB(A)	59		62
Compressor	Type		Enhanced Vapor Injection Scroll Compressor		
	Compressor Quantity	PC	1	1	1
Refrigerant	Type		R410A		
	Pre-charged Quantity	kg	6.0	6.0	8.8
Weight		lbs.	13.2	13.2	19.4
	Net Weight	kg	242	243	289
		lbs.	534	536	637
Dimensions	Gross Weight	kg	270	271	320
		lbs.	595	597	705
	External(H×W×D)	mm	1730 × 950 × 750		
	in.	68-1/8 × 37-13/32 × 29-17/32			
	Packing(H×W×D)	mm	1950 × 1015 × 790		
		in.	76-3/4 × 39-31/32 × 31-3/32		
Cabinet Color			Ivory White		
Heat Pump Operation System	Gas	mm	φ19.05	φ22.20	φ25.40
		in.	φ3/4	φ7/8	φ1
	Liquid	mm	φ9.53	φ9.53	φ12.70
		in.	φ3/8	φ3/8	φ1/2
Heat Recovery Operation System	Low Pressure Gas Line	mm	φ19.05	φ22.20	φ25.40
		in.	φ3/4	φ7/8	φ1
	High/Low Pressure Gas Line	mm	φ15.88	φ19.05	φ22.20
		in.	φ5/8	φ3/4	φ7/8
	Liquid Line	mm	φ9.53	φ9.53	φ12.70
		in.	φ3/8	φ3/8	φ1/2
Connectable Indoor Units	Quantity	PC	13	16	19
Operation Range	Cooling	°C DB		-10-52	
		°F DB		14-126	
	Heating	°C WB		-25-16.5	
		°F WB		-13-62	

Notes:

- The above cooling and heating capacities show the capacities when the outdoor unit is operated with the 100% rating of indoor units.
Cooling Operation Conditions: Indoor Air Inlet Temperature: 80°F DB (26.7°C DB) 67°F WB (19.4°C WB), Outdoor Air Inlet Temperature: 95°F DB (35°C DB), Piping Length: 25ft. (7.6m), Piping Lift: 0ft. (0m).
Heating Operation Conditions: Nominal Heating Condition, Indoor Air Inlet Temperature: 70°F DB (21.1°C DB), Outdoor Air Inlet Temperature: 47°F DB (8.3°C DB) 43°F WB (6.1°C WB).
Heating Operation Conditions: Low Temp. Heating Condition, Indoor Air Inlet Temperature: 70°F DB (21.1°C DB), Outdoor Air Inlet Temperature: 17°F DB (-8.3°C DB) 15°F WB (-9.4°C WB).
- Rated capacity and efficiency are certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
Measurement point: 3.3ft. (1.0m) from the service cover surface and 4.9ft. (1.5m) from floor level.
- The final appearance of outdoor units is subject to the actual products.

Hi-FLEXi S SERIES



Ton			12	14	16
Model			AVWT-144FFFH	AVWT-168FFFH	AVWT-192FFFH
Modules			-		
Power Supply			AC 3Φ 208/230V/60Hz		
Cooling	Capacity	kW	40.4	46.9	53.9
		kBtu/h	138.0	160.0	184.0
	EER(Ducted/Non-ducted)	(Btu/h)/W	10.85/12.10	11.00/11.85	11.40/11.85
	IEER(Ducted/Non-ducted)	(Btu/h)/W	21.50/27.40	22.35/25.95	23.00/26.40
Heating	Capacity	kW	44.0	49.8	58.6
		kBtu/h	150.0	170.0	200.0
	COP 47°F(Ducted/Non-ducted)	kW/kW	3.27/3.61	3.21/3.49	3.28/3.51
	Low Temperature Heating Capacity	kW	30.8	33.7	41.0
		kBtu/h	105.0	115.0	140.0
	COP 17°F(Ducted/Non-ducted)	kW/kW	2.35/2.48	2.10/2.35	2.33/2.51
	SCHE(Ducted/Non-ducted)	(Btu/h)/W	26.65/30.00	24.40/29.00	25.60/30.20
	MCA	A	60.1	62.3	78.1
	MOP	A	80	80	100
Ventilation	Air Flow Rate	m ³ /min	267	267	350
	Fan Quantity	CFM	9430	9430	12360
Sound	Sound Power Level	dB(A)	62	62	63
Compressor	Type		Enhanced Vapor Injection Scroll Compressor		
	Compressor Quantity	PC	2	2	2
Refrigerant	Type		R410A		
	Pre-charged Quantity	kg	9.8	9.8	11.5
Weight		lbs.	21.6	21.6	25.4
	Net Weight	kg	361	362	389
		lbs.	796	798	858
Dimensions	Gross Weight	kg	392	393	422
		lbs.	864	866	930
	External(H×W×D)	mm	1730 × 1350 × 750		
	in.	68-1/8 × 53-5/32 × 29-17/32			
	Packing(H×W×D)	mm	1950 × 1420 × 790		
		in.	76-3/4 × 55-29/32 × 31-3/32		
Cabinet Color			Ivory White		
Heat Pump Operation System	Gas	mm	φ25.40	φ28.60	φ28.60
		in.	φ1	φ1-1/8	φ1-1/8
	Liquid	mm	φ12.70	φ12.70	φ15.88
		in.	φ1/2	φ1/2	φ5/8
Heat Recovery Operation System	Low Pressure Gas Line	mm	φ25.40	φ28.60	φ28.60
		in.	φ1	φ1-1/8	φ1-1/8
	High/Low Pressure Gas Line	mm	φ22.20	φ22.20	φ22.20
		in.	φ7/8	φ7/8	φ7/8
	Liquid Line	mm	φ12.70	φ12.70	φ15.88
		in.	φ1/2	φ1/2	φ5/8
Connectable Indoor Units	Quantity	PC	23	29	33
Operation Range	Cooling	°C DB		-10-52	
		°F DB		14-126	
	Heating	°C WB		-25-16.5	
		°F WB		-13-62	

Notes:

- The above cooling and heating capacities show the capacities when the outdoor unit is operated with the 100% rating of indoor units.
Cooling Operation Conditions: Indoor Air Inlet Temperature: 80°F DB (26.7°C DB) 67°F WB (19.4°C WB), Outdoor Air Inlet Temperature: 95°F DB (35°C DB), Piping Length: 25ft. (7.6m), Piping Lift: 0ft. (0m).
Heating Operation Conditions: Nominal Heating Condition, Indoor Air Inlet Temperature: 70°F DB (21.1°C DB), Outdoor Air Inlet Temperature: 47°F DB (8.3°C DB) 43°F WB (6.1°C WB).
Heating Operation Conditions: Low Temp. Heating Condition, Indoor Air Inlet Temperature: 70°F DB (21.1°C DB), Outdoor Air Inlet Temperature: 17°F DB (-8.3°C DB) 15°F WB (-9.4°C WB).
- Rated capacity and efficiency are certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
Measurement point: 3.3ft. (1.0m) from the service cover surface and 4.9ft. (1.5m) from floor level.
- The final appearance of outdoor units is subject to the actual products.

Hi-FLEXi S SERIES



Ton		18	20	22	24
Model	Model	AVWT-216FFFH	AVWT-240FFFH	AVWT-264FFFH	AVWT-288FFFH
	Modules	AVWT-96FFFH AVWT-120FFFH	AVWT-120FFFH AVWT-120FFFH	AVWT-120FFFH AVWT-144FFFH	AVWT-144FFFH AVWT-144FFFH
Power Supply		AC 3Φ 208/230V/60Hz			
Cooling	Capacity	kW 60.4	66.8	73.8	80.8
		kBtu/h 206.0	228.0	252.0	275.5
	EER(Ducted/Non-ducted)	(Btu/h)/W 11.81/13.96	11.81/13.89	11.26/12.86	10.85/12.11
	IEER(Ducted/Non-ducted)	(Btu/h)/W 22.31/25.00	22.00/24.50	21.00/22.50	20.50/22.10
Heating	Capacity	kW 66.2	73.8	80.9	88.0
		kBtu/h 226.0	252.0	276.0	300.5
	COP 47°F(Ducted/Non-ducted)	kW/kW 3.60/4.21	3.53/4.30	3.38/3.90	3.27/3.61
	Low Temperature Heating Capacity	kW 44.2	47.4	54.5	61.6
		kBtu/h 151.0	161.5	186.0	210.0
COP 17°F(Ducted/Non-ducted)		kW/kW 2.39/2.73	2.39/2.81	2.37/2.61	2.35/2.48
SCHE(Ducted/Non-ducted)		(Btu/h)/W 23.20/25.83	23.00/27.17	23.00/25.20	22.50/24.20
MCA		A 41.2+49.3	49.3+49.3	49.3+60.1	60.1+60.1
MOP		A 50+60	60+60	60+80	80+80
Ventilation	Air Flow Rate	m ³ /min 183+200	200+200	200+267	267+267
	Fan Quantity	CFM 6460+7060	7060+7060	7060+9430	9430+9430
Sound	Sound Power Level	dB(A) 64	65	65	65
	Type	Enhanced Vapor Injection Scroll Compressor			
Compressor	Compressor Quantity	PC 1+1	1+1	1+2	2+2
	Type	R410A			
Refrigerant	Pre-charged Quantity	kg 6.0+8.8	8.8+8.8	8.8+9.8	9.8+9.8
		lbs. 13.2+19.4	19.4+19.4	19.4+21.6	21.6+21.6
Weight	Net Weight	kg 243+289	289+289	289+361	361+361
		lbs. 536+637	637+637	637+796	796+796
	Gross Weight	kg 271+320	320+320	320+392	392+392
	lbs. 597+705	705+705	705+864	864+864	
Dimensions	External(H×W×D)	mm 1730×950+1210×750	1730×1210+1210×750	1730×1210+1350×750	1730×1350+1350×750
		in. 68-1/8×37-13/32+47-5/8×29-17/32	68-1/8×47-5/8+47-5/8×29-17/32	68-1/8×47-5/8+53-5/32×29-17/32	68-1/8×53-5/32+53-5/32×29-17/32
	Packing(H×W×D)	mm 1950×1015+1275×790	1950×1275+1275×790	1950×1420+1420×790	1950×1420+1420×790
	in. 76-3/4×39-31/32+50-3/16×31-3/32	76-3/4×50-3/16+50-3/16×31-3/32	76-3/4×50-3/16+55-29/32×31-3/32	76-3/4×55-29/32+55-29/32×31-3/32	
Cabinet Color		Ivory White			
Heat Pump Operation System	Gas	mm Φ28.60	Φ31.75	Φ31.75	Φ31.75
		in. Φ1-1/8	Φ1-1/4	Φ1-1/4	Φ1-1/4
	Liquid	mm Φ15.88	Φ19.05	Φ19.05	Φ19.05
	in. Φ5/8	Φ3/4	Φ3/4	Φ3/4	
Heat Recovery Operation System	Low Pressure Gas Line	mm Φ28.60	Φ31.75	Φ31.75	Φ31.75
		in. Φ1-1/8	Φ1-1/4	Φ1-1/4	Φ1-1/4
	High/Low Pressure Gas Line	mm Φ25.40	Φ25.40	Φ28.60	Φ28.60
		in. Φ1	Φ1	Φ1-1/8	Φ1-1/8
	Liquid Line	mm Φ15.88	Φ19.05	Φ19.05	Φ19.05
	in. Φ5/8	Φ3/4	Φ3/4	Φ3/4	
Connectable Indoor Units	Quantity	PC 36	43	47	50
	Operation Range	°C DB -10-52	°F DB 14-126	°C WB -25-16.5	°F WB -13-62

Notes:

- The above cooling and heating capacities show the capacities when the outdoor unit is operated with the 100% rating of indoor units.
Cooling Operation Conditions: Indoor Air Inlet Temperature: 80°F DB (26.7°C DB) 67°F WB (19.4°C WB), Outdoor Air Inlet Temperature: 95°F DB (35°C DB), Piping Length: 25ft. (7.6m), Piping Lift: 0ft. (0m).
Heating Operation Conditions: Nominal Heating Condition, Indoor Air Inlet Temperature: 70°F DB (21.1°C DB), Outdoor Air Inlet Temperature: 47°F DB (8.3°C DB) 43°F WB (6.1°C WB).
Heating Operation Conditions: Low Temp. Heating Condition, Indoor Air Inlet Temperature: 70°F DB (21.1°C DB), Outdoor Air Inlet Temperature: 17°F DB (-8.3°C DB) 15°F WB (-9.4°C WB).
- Rated capacity and efficiency are certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
Measurement point: 3.3ft. (1.0m) from the service cover surface and 4.9ft. (1.5m) from floor level.
- The final appearance of outdoor units is subject to the actual products.

Hi-FLEXi S SERIES



Ton		26	28	30	32
Model	Model	AVWT-312FFFH	AVWT-336FFFH	AVWT-360FFFH	AVWT-384FFFH
	Modules	AVWT-144FFFH AVWT-168FFFH	AVWT-168FFFH AVWT-168FFFH	AVWT-168FFFH AVWT-192FFFH	AVWT-192FFFH AVWT-192FFFH
Power Supply		AC 3Φ 208/230V/60Hz			
Cooling	Capacity	kW 87.3	93.8	100.8	107.8
		kBtu/h 298.0	320.0	344.0	368.0
	EER(Ducted/Non-ducted)	(Btu/h)/W 10.92/11.98	10.99/11.84	11.19/11.84	11.40/11.84
	IEER(Ducted/Non-ducted)	(Btu/h)/W 20.70/20.82	20.50/19.76	19.75/20.28	19.00/19.80
Heating	Capacity	kW 93.8	99.6	108.4	117.2
		kBtu/h 320.0	340.0	370.0	400.0
	COP 47°F(Ducted/Non-ducted)	kW/kW 3.24/3.54	3.21/3.49	3.25/3.50	3.28/3.51
	Low Temperature Heating Capacity	kW 64.5	67.4	74.7	82.0
		kBtu/h 220.0	230.0	255.0	280.0
COP 17°F(Ducted/Non-ducted)		kW/kW 2.21/2.41	2.10/2.35	2.22/2.44	2.33/2.51
SCHE(Ducted/Non-ducted)		(Btu/h)/W 20.75/23.70	20.20/24.00	20.00/23.80	19.40/23.50
MCA		A 60.1+62.3	62.3+62.3	62.3+78.1	78.1+78.1
MOP		A 80+80	80+80	100+100	100+100
Ventilation	Air Flow Rate	m ³ /min 267+267	267+267	267+350	350+350
	Fan Quantity	CFM 9430+9430	9430+9430	9430+12360	12360+12360
Sound	Sound Power Level	dB(A) 65	65	66	66
	Type	Enhanced Vapor Injection Scroll Compressor			
Compressor	Compressor Quantity	PC 2+2	2+2	2+2	2+2
	Type	R410A			
Refrigerant	Pre-charged Quantity	kg 9.8+9.8	9.8+9.8	9.8+11.5	11.5+11.5
		lbs. 21.6+21.6	21.6+21.6	21.6+25.4	25.4+25.4
Weight	Net Weight	kg 361+362	362+362	362+389	389+389
		lbs. 796+798	798+798	798+858	858+858
	Gross Weight	kg 392+393	393+393	393+422	422+422
	lbs. 864+866	866+866	866+930	930+930	
Dimensions	External(H×W×D)	mm 1730×1350+1350×750	1730×1350+1350×750	1730×1600+1600×750	1730×1600+1600×750
		in. 68-1/8×53-5/32+53-5/32×29-17/32	68-1/8×53-5/32+53-5/32×29-17/32	68-1/8×53-5/32+63×29-17/32	68-1/8×63+63×29-17/32
	Packing(H×W×D)	mm 1950×1420+1420×790	1950×1420+1420×790	1950×1665+1665×790	1950×1665+1665×790
	in. 76-3/4×55-29/32+55-29/32×31-3/32	76-3/4×55-29/32+55-29/32×31-3/32	76-3/4×55-29/32+65-9/16×31-3/32	76-3/4×65-9/16+65-9/16×31-3/32	
Cabinet Color		Ivory White			
Heat Pump Operation System	Gas	mm Φ31.75	Φ38.10	Φ38.10	Φ38.10
		in. Φ1-1/4	Φ1-1/2	Φ1-1/2	Φ1-1/2
	Liquid	mm Φ19.05	Φ19.05	Φ19.05	Φ19.05
	in. Φ3/4	Φ3/4	Φ3/4	Φ3/4	
Heat Recovery Operation System	Low Pressure Gas Line	mm Φ31.75	Φ38.10	Φ38.10	Φ38.10
		in. Φ1-1/4	Φ1-1/2	Φ1-1/2	Φ1-1/2
	High/Low Pressure Gas Line	mm Φ28.60	Φ28.60	Φ31.75	Φ31.75
		in. Φ1-1/8	Φ1-1/8	Φ1-1/4	Φ1-1/4
	Liquid Line	mm Φ19.05	Φ19.05	Φ19.05	Φ19.05
	in. Φ3/4	Φ3/4	Φ3/4	Φ3/4	
Connectable Indoor Units	Quantity	PC 53	59	64	64
	Operation Range	°C DB -10-52	°F DB 14-126	°C WB -25-16.5	°F WB -13-62

Notes:

- The above cooling and heating capacities show the capacities when the outdoor unit is operated with the 100% rating of indoor units.
Cooling Operation Conditions: Indoor Air Inlet Temperature: 80°F DB (26.7°C DB) 67°F WB (19.4°C WB), Outdoor Air Inlet Temperature: 95°F DB (35°C DB), Piping Length: 25ft. (7.6m), Piping Lift: 0ft. (0m).
Heating Operation Conditions: Nominal Heating Condition, Indoor Air Inlet Temperature: 70°F DB (21.1°C DB), Outdoor Air Inlet Temperature: 47°F DB (8.3°C DB) 43°F WB (6.1°C WB).
Heating Operation Conditions: Low Temp. Heating Condition, Indoor Air Inlet Temperature: 70°F DB (21.1°C DB), Outdoor Air Inlet Temperature: 17°F DB (-8.3°C DB) 15°F WB (-9.4°C WB).
- Rated capacity and efficiency are certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
Measurement point: 3.3ft. (1.0m) from the service cover surface and 4.9ft. (1.5m) from floor level.
- The final appearance of outdoor units is subject to the actual products.

Hi-FLEXi S SERIES



Ton			34	36	38
Model	Model		AVWT-408FFFH	AVWT-432FFFH	AVWT-456FFFH
	Modules		AVWT-120FFFH AVWT-144FFFH AVWT-144FFFH	AVWT-144FFFH AVWT-144FFFH AVWT-144FFFH	AVWT-144FFFH AVWT-144FFFH AVWT-168FFFH
Power Supply			AC 3Φ 208/230V/60Hz		
Cooling	Capacity	kW	114.2	121.2	127.7
		kBtu/h	389.5	413.5	435.5
	EER(Ducted/Non-ducted)	(Btu/h)/W	11.12/12.59	10.85/12.11	10.88/12.01
	IEER(Ducted/Non-ducted)	(Btu/h)/W	19.50/19.50	19.00/19.70	18.30/19.00
Heating	Capacity	kW	124.9	132.0	137.8
		kBtu/h	426.0	450.5	470.0
	COP 47°F(Ducted/Non-ducted)	kW/kW	3.34/3.79	3.27/3.61	3.25/3.57
	Low Temperature Heating Capacity	kW	85.3	92.4	95.3
		kBtu/h	291.0	315.5	325.0
	COP 17°F(Ducted/Non-ducted)	kW/kW	2.36/2.56	2.35/2.48	2.25/2.43
SCHE(Ducted/Non-ducted)	(Btu/h)/W	19.66/22.20	19.30/21.50	19.00/20.50	
MCA	A	49.3+60.1+60.1	60.1+60.1+60.1	60.1+60.1+62.3	
	MOP	A	60+80+80	80+80+80	80+80+80
Ventilation	Air Flow Rate	m ³ /min	200+267+267	267+267+267	267+267+267
	Fan Quantity	CFM	7060+9430+9430	9430+9430+9430	9430+9430+9430
Sound	Sound Power Level	dB(A)	2+2+2	2+2+2	2+2+2
	Type		Enhanced Vapor Injection Scroll Compressor		
Compressor	Compressor Quantity	PC	1+2+2	2+2+2	2+2+2
	Type		R410A		
Refrigerant	Pre-charged Quantity	kg	8.8+9.8+9.8	9.8+9.8+9.8	9.8+9.8+9.8
		lbs.	19.4+21.6+21.6	21.6+21.6+21.6	21.6+21.6+21.6
Weight	Net Weight	kg	289+361+361	361+361+361	361+361+362
		lbs.	637+796+796	796+796+796	796+796+798
	Gross Weight	kg	320+392+392	392+392+392	392+392+393
		lbs.	705+864+864	864+864+864	864+864+866
Dimensions	External(H×W×D)	mm	1730 × 1210+1350+1350 × 750	1730 × 1350+1350+1350 × 750	
		in.	68-1/8 × 47-5/8+53-5/32+53-5/32 × 29-17/32	68-1/8 × 53-5/32+53-5/32+53-5/32 × 29-17/32	
	Packing(H×W×D)	mm	1950 × 1275+1420+1420 × 790	1950 × 1420+1420+1420 × 790	
Cabinet Color			Ivory White		
Heat Pump Operation System	Gas	mm	Φ38.10	Φ38.10	Φ38.10
		in.	Φ1-1/2	Φ1-1/2	Φ1-1/2
	Liquid	mm	Φ19.05	Φ19.05	Φ19.05
		in.	Φ3/4	Φ3/4	Φ3/4
Heat Recovery Operation System	Low Pressure Gas Line	mm	Φ38.10	Φ38.10	Φ38.10
		in.	Φ1-1/2	Φ1-1/2	Φ1-1/2
	High/Low Pressure Gas Line	mm	Φ31.75	Φ31.75	Φ31.75
		in.	Φ1-1/4	Φ1-1/4	Φ1-1/4
	Liquid Line	mm	Φ19.05	Φ19.05	Φ19.05
		in.	Φ3/4	Φ3/4	Φ3/4
Connectable Indoor Units	Quantity	PC	64	64	64
	Operation Range	Cooling	°C DB	-10-52	-10-52
°F DB			14-126	14-126	14-126
Heating		°C WB	-25-16.5	-25-16.5	-25-16.5
		°F WB	-13-62	-13-62	-13-62

Notes:
 1. The above cooling and heating capacities show the capacities when the outdoor unit is operated with the 100% rating of indoor units.
 Cooling Operation Conditions: Indoor Air Inlet Temperature: 80°F DB (26.7°C DB) 67°F WB (19.4°C WB), Outdoor Air Inlet Temperature: 95°F DB (35°C DB), Piping Length: 25ft. (7.6m), Piping Lift: 0ft. (0m).
 Heating Operation Conditions: Nominal Heating Condition, Indoor Air Inlet Temperature: 70°F DB (21.1°C DB), Outdoor Air Inlet Temperature: 47°F DB (8.3°C DB) 43°F WB (6.1°C WB).
 Heating Operation Conditions: Low Temp. Heating Condition, Indoor Air Inlet Temperature: 70°F DB (21.1°C DB), Outdoor Air Inlet Temperature: 17°F DB (-8.3°C DB) 15°F WB (-9.4°C WB).
 2. Rated capacity and efficiency are certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
 3. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
 Measurement point: 3.3ft. (1.0m) from the service cover surface and 4.9ft. (1.5m) from floor level.
 4. The final appearance of outdoor units is subject to the actual products.

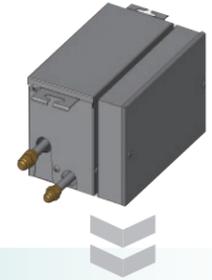
Hi-FLEXi S SERIES

New Switch Box

Introduction

Used for heat recovery systems to achieve simultaneous cooling and heating in a system, it is very important to realize installation flexibility and reduce costs.

Original Products



Advantage

- Enrich the products (1,4,8,12,16) .
- Maximize capacity to 16kW or more.
- Require no drain pipes or drainage connections.
- Provide compact and lightweight design.
- Combine between single branch and multi-branch flexibility.
- Enable fewer connections, hooks and service parts for easy installation.

New Switch Box



Model	Single Branch			Multiple Branch				
	HCHS-N06XB	HCHS-N10XB	HCHM-N04XB	HCHM-N08XB	HCHM-N12XB	HCHM-N16XB		
Power Supply		1Φ 208/230V/60Hz						
Net Weight	kg	6.3	6.4	14.1	25.2	35.5	46.7	
	lbs.	13.9	14.1	31.1	55.6	78.3	103.0	
Number of Ports (for Indoor Unit)		1	1	4	8	12	16	
Max. Number of Connected Indoor Units Per Port		8	8	8	8	6	6	
Max. Total Capacity of Connected Indoor Units Per Port	kw	16	28	16	16	16	16	
	kBtu/h	≤54	≤96	≤54	≤54	≤54	≤54	
	RT	4.5	8.0	4.5	4.5	4.5	4.5	
Max. Total Capacity of All Connected Indoor Units	kw	16.0	28.0	44.8	85.0	85.0	85.0	
	kBtu/h	≤54	≤96	≤154	≤290	≤290	≤290	
	RT	4.5	8.0	12.7	24.0	24.0	24.0	
Operation Sound	dB(A)	33	33	31	31	34	34	
Running Current	A	0.1	0.1	0.2	0.4	0.6	0.8	
Recommended Fuse/Breaker Size		15	15	15	15	15	15	
Outer Dimensions	Height	mm(in.)	191(7-1/2)	191(7-1/2)	260(10-1/4)	260(10-1/4)	260(10-1/4)	
	Width	mm(in.)	301(11-7/8)	301(11-7/8)	303(11-15/16)	543(21-3/8)	783(30-13/16)	1023(40-1/4)
	Depth	mm(in.)	214(8-7/16)	214(8-7/16)	352(13-7/8)	352(13-7/8)	352(13-7/8)	352(13-7/8)
Refrigerant Piping	Gas Line (High/Low Pressure)	mm(in.)	15.88(5/8)	15.88(5/8)	22.2(7/8)	22.2(7/8)	25.4(1)*1	28.6(1-1/8)
	Gas Line (Low Pressure)	mm(in.)	19.05(3/4)	19.05(3/4)	25.4(1)*1	28.6(1-1/8)	28.6(1-1/8)	31.75(1-1/4)
	Liquid Line	mm(in.)	—	—	12.7(1/2)	12.7(1/2)	15.88(5/8)	19.05(3/4)
Refrigerant Piping (from Indoor Unit)	Gas Line	mm(in.)	15.88(5/8)	19.05(3/4)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Liquid Line	mm(in.)	—	—	9.53(3/8)	9.53(3/8)	9.53(3/8)	9.53(3/8)

*1: Apply reducer (accessory pipe) for changing the pipe size to Φ22.2mm(7/8inch) for field pipe connection.