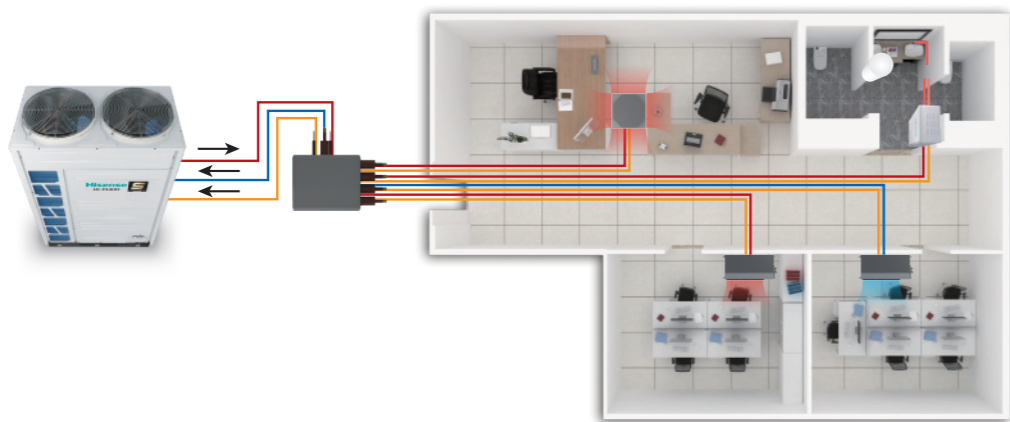


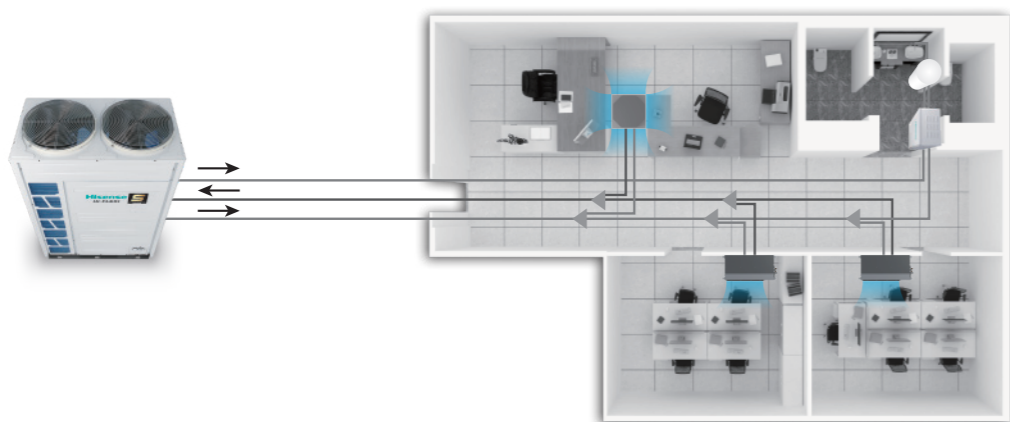
New Upgraded Switch Box

Switch box defies the complicated piping of 3pipe heat recovery systems and simplifies the system with lesser connections and piping including refrigerant and condensate piping. Now with larger capacity up to 85kW for larger systems and increased up to 16 branch ports for more indoor units connections.

Heating Domination Mode

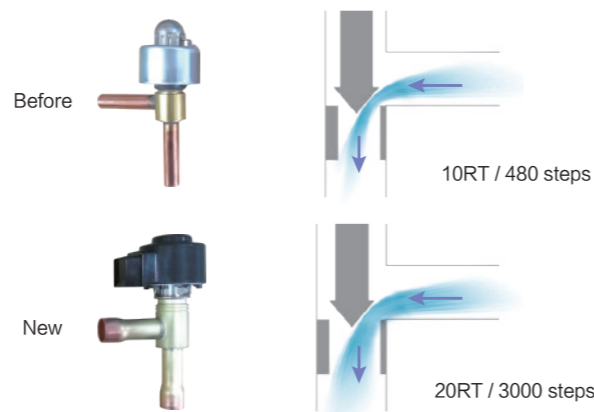
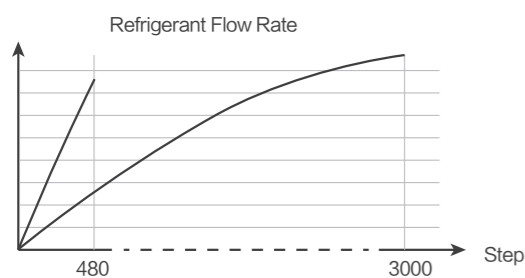


3 Pipes Without Switch Box



Dual 20RT EEV

Compared with conventional 10RT EEV with 480 steps, dual 20RT EEV with 3000pls can better reduce pressure loss and improve performance.



Hi-FLEXi S Heat Recovery



HP		8HP	10HP	12HP	14HP	16HP	18HP	
Model	Model	AVWT-76FKFSA	AVWT-96FKFSA	AVWT-114FKFSA	AVWT-136FKFSA	AVWT-154FKFSA	AVWT-170FKFSA	
Model	Modules	—	—	—	—	—	—	
	Power Supply	AC 3Φ, 380-415V/50/60Hz						
Cooling	Capacity	kW	22.4	28.0	33.5	40.0	45.0	50.0
		kBtu/h	76.4	95.5	114.3	136.5	153.5	170.6
	Power Input	kW	4.87	6.75	8.09	10.26	12.16	14.04
	EER	kW/kW	4.60	4.15	4.14	3.90	3.70	3.56
Heating	Capacity(Max/Nom)	kW	25.0 / 22.4	31.5 / 28.0	37.5 / 33.5	45.0 / 40.0	50.0 / 45.0	56.0 / 50.0
		kBtu/h	85.3 / 76.4	107.5 / 95.5	128.0 / 114.3	153.5 / 136.5	170.6 / 153.5	191.1 / 170.6
	Power Input(Max/Nom)	kW	5.20 / 4.36	6.77 / 5.63	9.17 / 7.70	10.82 / 8.89	12.14 / 10.32	14.74 / 12.02
	COP(Max)	kW/kW	4.81	4.65	4.09	4.16	4.12	3.80
Ventilation	Air Flow Rate	m ³ /min	183	183	183	200	200	200
	Fan Quantity		1	1	1	2	2	2
	Static Pressure	Pa	110	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	59	60	62	62	62	62
	Type	—	Enhanced Vapor Injection Scroll Compressor					
Compressor	Compressor Quantity	pcs	1	1	1	1	1	2
	Type	—	R410A					
Refrigerant	Pre-charged Quantity	kg	5.60	5.90	6.00	8.80	8.80	9.20
	Net Weight	kg	226	227	246	289	290	349
	Gross Weight	kg	246	247	266	311	312	371
Dimensions	External(HxWxD)	mm	1730x950x750	1730x950x750	1730x950x750	1730x1210x750	1730x1210x750	1730x1210x750
	Packing(HxWxD)	mm	1930x1015x790	1930x1015x790	1930x1015x790	1930x1275x790	1930x1275x790	1930x1275x790
Cabinet Color	Low Pressure Gas Line	mm(in.)	φ19.05(3/4)	φ22.20(7/8)	φ25.40(1)	φ25.40(1)	φ28.60(1-1/8)	φ28.60(1-1/8)
	High/Low Pressure Gas Line	mm(in.)	φ15.88(5/8)	φ19.05(3/4)	φ22.2(7/8)	φ22.2(7/8)	φ22.2(7/8)	φ22.2(7/8)
	Liquid Line	mm(in.)	φ9.53(3/8)	φ9.53(3/8)	φ12.70(1/2)	φ12.70(1/2)	φ12.70(1/2)	φ15.88(5/8)
Heat Pump Operation System	Gas Line	mm(in.)	φ19.05(3/4)	φ22.20(7/8)	φ25.40(1)	φ25.40(1)	φ28.60(1-1/8)	φ28.60(1-1/8)
	Liquid Line	mm(in.)	φ9.53(3/8)	φ9.53(3/8)	φ12.70(1/2)	φ12.70(1/2)	φ12.70(1/2)	φ15.88(5/8)
Connectable Indoor Units	Quantity	pcs	13	16	19	23	26	29
	Total Capacity	—	200%*1	200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90°*)	50(90°*)	50(90°*)	50(90°*)	50(90°*)	50(90°*)
		m(below)	40(90°*)	40(90°*)	40(90°*)	40(90°*)	40(90°*)	40(90°*)
	Height Difference Between IDUs	m	15(30°*)	15(30°*)	15(30°*)	15(30°*)	15(30°*)	15(30°*)
	Max. Piping Length	m	165	165	165	165	165	165
Operation Range	Cooling	DB	-10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C
	Heating	WB	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C

Notes:

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

Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.

Heating conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference: 0m.

2. 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.

3. The final appearance of outdoor units is subject to the actual products.

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Hi-FLEXi S Heat Recovery



HP		20HP	22HP	24HP	26HP	28HP	
Model	Model	AVWT-190FKFSA	AVWT-212FKFSA	AVWT-232FKFSA	AVWT-250FKFSA	AVWT-272FKFSA	
Model	Modules	—	—	—	—	—	
Power Supply		AC 3 ϕ , 380-415V/50/60Hz					
Cooling	Capacity	kW	56.0	61.5	68.0	72.5	80.0
		kBtu/h	191.1	209.8	232.0	247.4	273.0
	Power Input	kW	15.60	18.04	20.61	21.90	24.24
	EER	kW/kW	3.59	3.41	3.30	3.31	3.30
Heating	Capacity(Max/Nom)	kW	63.0 / 56.0	69.0 / 61.5	75.0 / 68.0	80.0 / 72.5	90.0 / 80.0
		kBtu/h	215.0 / 191.1	235.4 / 209.8	255.9 / 232.0	273.0 / 247.4	307.1 / 273.0
	Power Input(Max/Nom)	kW	16.54 / 13.56	18.80 / 15.89	21.43 / 18.38	22.35 / 19.23	26.01 / 21.92
Ventilation	COP(Max)	kW/kW	3.81	3.67	3.50	3.58	3.46
	Air Flow Rate	m ³ /min	267	296	296	350	350
	Fan Quantity		2	2	2	2	2
Sound	Static Pressure	Pa	110	110	110	110	110
	Sound Pressure Level	dB(A)	63	64	66	67	67
Compressor	Type	Enhanced Vapor Injection Scroll Compressor					
	Compressor Quantity	pcs	2	2	2	2	2
Refrigerant	Type	R410A					
	Pre-charged Quantity	kg	9.80	10.60	10.60	11.50	11.50
Weight	Net Weight	kg	369	377	378	400	401
	Gross Weight	kg	393	401	402	426	427
Dimensions	External(HxWxD)	mm	1730x1350x750	1730x1350x750	1730x1350x750	1730x1600x750	1730x1600x750
	Packing(HxWxD)	mm	1930x1420x790	1930x1420x790	1930x1420x790	1930x1665x790	1930x1665x790
Cabinet Color		Ivory White					
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	ϕ 28.60(1-1/8)	ϕ 28.60(1-1/8)	ϕ 28.60(1-1/8)	ϕ 31.75(1-1/4)	ϕ 31.75(1-1/4)
	High/Low Pressure Gas Line	mm(in.)	ϕ 22.2(7/8)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 28.6(1-1/8)
	Liquid Line	mm(in.)	ϕ 15.88(5/8)	ϕ 15.88(5/8)	ϕ 15.88(5/8)	ϕ 19.05(3/4)	ϕ 19.05(3/4)
Heat Pump Operation System	Gas Line	mm(in.)	ϕ 28.60(1-1/8)	ϕ 28.60(1-1/8)	ϕ 28.60(1-1/8)	ϕ 31.75(1-1/4)	ϕ 31.75(1-1/4)
	Liquid Line	mm(in.)	ϕ 15.88(5/8)	ϕ 15.88(5/8)	ϕ 15.88(5/8)	ϕ 19.05(3/4)	ϕ 19.05(3/4)
Connectable Indoor Units	Quantity	pcs	33	36	40	43	47
	Total Capacity	—	200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)	15(30*2)
Operation Range	Max. Piping Length	m	165	165	165	165	165
	Cooling	DB	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C
	Heating	WB	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ C WB, pipe length: 7.5m, pipe height difference: 0m.

2. 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.

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Hi-FLEXi S Heat Recovery



HP		30HP	32HP	34HP	36HP	38HP	
Model	Model	AVWT-290FKFSA	AVWT-308FKFSA	AVWT-324FKFSA	AVWT-344FKFSA	AVWT-360FKFSA	
Model	Modules	AVWT-136FKFSA AVWT-154FKFSA	AVWT-154FKFSA AVWT-154FKFSA	AVWT-154FKFSA AVWT-170FKFSA	AVWT-154FKFSA AVWT-190FKFSA	AVWT-170FKFSA AVWT-190FKFSA	
Power Supply		AC 3 ϕ , 380-415V/50/60Hz					
Cooling	Capacity	kW	85.0	90.0	95.0	101.0	106.0
		kBtu/h	290.0	307.1	324.1	344.6	361.7
	Power Input	kW	22.41	24.32	26.20	27.75	29.64
	EER	kW/kW	3.79	3.70	3.63	3.64	3.58
Heating	Capacity(Max/Nom)	kW	95.0 / 85.0	100.0 / 90.0	106.0 / 95.0	113.0 / 101.0	119.0 / 106.0
		kBtu/h	324.1 / 290.0	341.2 / 307.1	361.7 / 324.1	385.6 / 344.6	406.0 / 361.7
	Power Input(Max/Nom)	kW	22.95 / 19.21	24.27 / 20.64	26.82 / 22.33	28.62 / 23.86	31.27 / 25.58
Ventilation	COP(Max)	kW/kW	4.14	4.12	3.95	3.95	3.81
	Air Flow Rate	m ³ /min	400	400	400	467	467
	Fan Quantity		4	4	4	4	4
Sound	Static Pressure	Pa	110	110	110	110	110
	Sound Pressure Level	dB(A)	67	67	67	67	67
Compressor	Type	Enhanced Vapor Injection Scroll Compressor					
	Compressor Quantity	pcs	2	2	3	3	4
Refrigerant	Type	R410A					
	Pre-charged Quantity	kg	8.80+8.80	8.80+8.80	8.80+9.20	8.80+9.80	9.20+9.80
Weight	Net Weight	kg	289+290	290+290	290+349	290+369	349+369
	Gross Weight	kg	311+312	312+312	312+371	312+393	371+393
Dimensions	External(HxWxD)	mm	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1350) x750	1730x (1210+1350) x750
	Packing(HxWxD)	mm	1930x (1275+1275) x790	1930x (1275+1275) x790	1930x (1275+1275) x790	1930x (1275+1420) x790	1930x (1275+1420) x790
Cabinet Color		Ivory White					
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	ϕ 31.75(1-1/4)	ϕ 31.75(1-1/4)	ϕ 31.75(1-1/4)	ϕ 38.1(1-1/2)	ϕ 38.1(1-1/2)
	High/Low Pressure Gas Line	mm(in.)	ϕ 28.6(1-1/8)	ϕ 28.6(1-1/8)	ϕ 28.6(1-1/8)	ϕ 28.6(1-1/8)	ϕ 31.75(1-1/4)
	Liquid Line	mm(in.)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)
Heat Pump Operation System	Gas Line	mm(in.)	ϕ 31.75(1-1/4)	ϕ 31.75(1-1/4)	ϕ 31.75(1-1/4)	ϕ 38.1(1-1/2)	ϕ 38.1(1-1/2)
	Liquid Line	mm(in.)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)
Connectable Indoor Units	Quantity	pcs	50	53	56	59	64
	Total Capacity	—	200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)	15(30*2)
Operation Range	Max. Piping Length	m	165	165	165	165	165
	Cooling	DB	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C
	Heating	WB	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ C WB, pipe length: 7.5m, pipe height difference: 0m.

2. 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.

3. The final appearance of outdoor units is subject to the actual products.

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Hi-FLEXi S Heat Recovery



HP		40HP	42HP	44HP	46HP	48HP
Model	Model	AVWT-380FKFSA	AVWT-402FKFSA	AVWT-422FKFSA	AVWT-444FKFSA	AVWT-464FKFSA
	Modules	AVWT-190FKFSA AVWT-190FKFSA	AVWT-170FKFSA AVWT-232FKFSA	AVWT-190FKFSA AVWT-232FKFSA	AVWT-212FKFSA AVWT-232FKFSA	AVWT-232FKFSA AVWT-232FKFSA
Power Supply		AC 3 ϕ , 380-415V/50/60Hz				
Cooling	Capacity	kW 112.0	118.0	124.0	129.5	136.0
		kBtu/h 382.1	402.6	423.1	441.9	464.0
	Power Input	kW 31.20	34.60	36.15	38.63	41.21
	EER	kW/kW 3.59	3.41	3.43	3.35	3.30
Heating	Capacity(Max/Nom)	kW 126.0 / 112.0	131.0 / 118.0	138.0 / 124.0	144.0 / 129.5	150.0 / 136.0
		kBtu/h 429.9 / 382.1	447.0 / 402.6	470.9 / 423.1	491.3 / 441.9	511.8 / 464.0
	Power Input(Max/Nom)	kW 33.07 / 27.12	36.12 / 30.30	37.92 / 31.85	40.21 / 34.25	42.86 / 36.76
	COP(Max)	kW/kW 3.81	3.63	3.64	3.58	3.50
Ventilation	Air Flow Rate	m ³ /min 534	496	563	592	592
	Fan Quantity	4	4	4	4	4
Sound	Static Pressure	Pa 110	110	110	110	110
	Sound Pressure Level	dB(A) 67	67	68	68	69
Compressor	Type	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs 4	4	4	4	4
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg 9.80+9.80	9.20+10.60	9.80+10.60	10.60+10.60	10.60+10.60
Weight	Net Weight	kg 369+369	349+378	369+378	377+378	378+378
	Gross Weight	kg 393+393	371+402	393+402	401+402	402+402
Dimensions	External(HxWxD)	mm 1730x (1350+1350) x750	1730x (1210+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750
		mm 1930x (1420+1420) x790	1930x (1275+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790
	Packing(HxWxD)	mm 1930x (1420+1420) x790	1930x (1275+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790
		mm 1930x (1420+1420) x790	1930x (1275+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790
Cabinet Color	Low Pressure Gas Line	mm(in.) ϕ 38.1(1-1/2)	ϕ 38.1(1-1/2)	ϕ 38.1(1-1/2)	ϕ 38.1(1-1/2)	ϕ 38.1(1-1/2)
	High/Low Pressure Gas Line	mm(in.) ϕ 31.75(1-1/4)	ϕ 31.75(1-1/4)	ϕ 31.75(1-1/4)	ϕ 31.75(1-1/4)	ϕ 31.75(1-1/4)
	Liquid Line	mm(in.) ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)
Heat Pump Operation System	Gas Line	mm(in.) ϕ 38.1(1-1/2)	ϕ 38.1(1-1/2)	ϕ 38.1(1-1/2)	ϕ 38.1(1-1/2)	ϕ 38.1(1-1/2)
	Liquid Line	mm(in.) ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)
Connectable Indoor Units	Quantity	pcs 64	64	64	64	64
	Total Capacity	- 200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above) 50(90*)	50(90*)	50(90*)	50(90*)	50(90*)
		m(below) 40(90*)	40(90*)	40(90*)	40(90*)	40(90*)
	Height Difference Between IDUs	m 15(30*)	15(30*)	15(30*)	15(30*)	15(30*)
	Max. Piping Length	m 165	165	165	165	165
Operation Range	Cooling	DB -10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C
	Heating	WB -25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ C WB, pipe length: 7.5m, pipe height difference: 0m.

2. 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.

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Hi-FLEXi S Heat Recovery



HP		50HP	52HP	54HP	56HP
Model	Model	AVWT-482FKFSA	AVWT-504FKFSA	AVWT-522FKFSA	AVWT-544FKFSA
	Modules	AVWT-232FKFSA AVWT-250FKFSA	AVWT-232FKFSA AVWT-272FKFSA	AVWT-250FKFSA AVWT-272FKFSA	AVWT-272FKFSA AVWT-272FKFSA
Power Supply		AC 3 ϕ , 380-415V/50/60Hz			
Cooling	Capacity	kW 140.5	148.0	152.5	160.0
		kBtu/h 479.4	505.0	520.3	545.9
	Power Input	kW 42.51	44.85	46.15	48.48
	EER	kW/kW 3.31	3.30	3.30	3.30
Heating	Capacity(Max/Nom)	kW 155.0 / 140.5	165.0 / 148.0	170.0 / 152.5	180.0 / 160.0
		kBtu/h 528.9 / 479.4	563.0 / 505.0	580.0 / 520.3	614.2 / 545.9
	Power Input(Max/Nom)	kW 43.77 / 37.60	47.44 / 40.29	48.33 / 41.13	52.02 / 43.84
	COP(Max)	kW/kW 3.54	3.48	3.52	3.46
Ventilation	Air Flow Rate	m ³ /min 646	646	700	700
	Fan Quantity	4	4	4	4
Sound	Static Pressure	Pa 110	110	110	110
	Sound Pressure Level	dB(A) 70	70	70	70
Compressor	Type	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs 4	4	4	4
Refrigerant	Type	R410A			
	Pre-charged Quantity	kg 10.60+11.50	10.60+11.50	11.50+11.50	11.50+11.50
Weight	Net Weight	kg 378+400	378+401	400+401	401+401
	Gross Weight	kg 426+426	426+427	427+427	427+427
Dimensions	External(HxWxD)	mm 1730x (1350+1600) x750	1730x (1350+1600) x750	1730x (1600+1600) x750	1730x (1600+1600) x750
		mm 1930x (1420+1665) x790	1930x (1420+1665) x790	1930x (1665+1665) x790	1930x (1665+1665) x790
	Packing(HxWxD)	mm 1930x (1420+1665) x790	1930x (1420+1665) x790	1930x (1665+1665) x790	1930x (1665+1665) x790
		mm 1930x (1420+1665) x790	1930x (1420+1665) x790	1930x (1665+1665) x790	1930x (1665+1665) x790
Cabinet Color	Low Pressure Gas Line	mm(in.) ϕ 38.1(1-1/2)	ϕ 38.1(1-1/2)	ϕ 38.1(1-1/2)	ϕ 41.3(1-5/8)
	High/Low Pressure Gas Line	mm(in.) ϕ 31.75(1-1/4)	ϕ 31.75(1-1/4)	ϕ 31.75(1-1/4)	ϕ 38.1(1-1/2)
	Liquid Line	mm(in.) ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 22.2(7/8)
Heat Pump Operation System	Gas Line	mm(in.) ϕ 38.1(1-1/2)	ϕ 38.1(1-1/2)	ϕ 38.1(1-1/2)	ϕ 41.3(1-5/8)
	Liquid Line	mm(in.) ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 22.2(7/8)
Connectable Indoor Units	Quantity	pcs 64	64	64	64
	Total Capacity	- 200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above) 50(90*)	50(90*)	50(90*)	50(90*)
		m(below) 40(90*)	40(90*)	40(90*)	40(90*)
	Height Difference Between IDUs	m 15(30*)	15(30*)	15(30*)	15(30*)
	Max. Piping Length	m 165	165	165	165
Operation Range	Cooling	DB -10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C
	Heating	WB -25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ C WB, pipe length: 7.5m, pipe height difference: 0m.

2. 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.

3. The final appearance of outdoor units is subject to the actual products.

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Hi-FLEXi S Heat Recovery



HP		58HP	60HP	62HP	64HP		
Model	Model	AVWT-552FKFSA	AVWT-570FKFSA	AVWT-592FKFSA	AVWT-612FKFSA		
	Modules	AVWT-170FKFSA	AVWT-190FKFSA	AVWT-170FKFSA	AVWT-190FKFSA		
		AVWT-170FKFSA	AVWT-190FKFSA	AVWT-190FKFSA	AVWT-232FKFSA		
Power Supply		AC 3Φ, 380-415V/50/60Hz					
Cooling	Capacity	161.5	168.0	174.0	180.0		
	kW						
	kBtu/h	551.0	573.2	593.7	614.2		
	Power Input	46.11	46.80	50.18	51.72		
EER	3.50	3.59	3.47	3.48			
Heating	Capacity(Max/Nom)	181.0 / 161.5	189.0 / 168.0	194.0 / 174.0	201.0 / 180.0		
	kBtu/h	617.6 / 551.0	644.9 / 573.2	661.9 / 593.7	685.8 / 614.2		
	Power Input(Max/Nom)	48.27 / 39.89	49.61 / 40.68	52.64 / 43.83	54.43 / 45.37		
	kW						
COP(Max)	3.75	3.81	3.69	3.69			
Ventilation	Air Flow Rate	696	801	763	830		
	m ³ /min						
	Fan Quantity	6	6	6	6		
Static Pressure	110	110	110	110			
Pa							
Sound	Sound Pressure Level	70	70	70	70		
	dB(A)						
Compressor	Type	Enhanced Vapor Injection Scroll Compressor					
	Compressor Quantity	6	6	6	6		
Refrigerant	Type	R410A					
	Pre-charged Quantity	9.20+9.20+10.60	9.80+9.80+9.80	9.20+9.80+10.60	9.80+9.80+10.60		
	kg						
Weight	Net Weight	349+349+377	369+369+369	349+369+378	369+369+378		
	Gross Weight	371+371+401	393+393+393	371+393+402	393+393+402		
Dimensions	External(HxWxD)	mm	1730x (1210+1210+1350) x750	1730x (1350+1350+1350) x750	1730x (1210+1350+1350) x750	1730x (1350+1350+1350) x750	
		Packing(HxWxD)	mm	1930x (1275+1275+1420) x790	1930x (1420+1420+1420) x790	1930x (1275+1420+1420) x790	1930x (1420+1420+1420) x790
	Cabinet Color	Low Pressure Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
		High/Low Pressure Gas Line	mm(in.)	Φ41.3(1-5/8)	Φ41.3(1-5/8)	Φ41.3(1-5/8)	Φ41.3(1-5/8)
Heat Recovery Operation System	Liquid Line	mm(in.)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)	
	Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	
Heat Pump Operation System	Liquid Line	mm(in.)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)	
	Quantity	pcs	64	64	64	64	
Connectable Indoor Units	Total Capacity	-	200%*1	200%*1	200%*1	200%*1	
	Height Difference Between ODU and IDU	m(above)	50(90*)	50(90*)	50(90*)	50(90*)	
Piping Design	m(below)	40(90*)	40(90*)	40(90*)	40(90*)		
	Height Difference Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)	
	Max. Piping Length	m	165	165	165	165	
	Operation Range	Cooling	DB	-10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C
Heating	WB	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C		

Notes:

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

Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.

Heating conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference: 0m.

2. 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.

3. The final appearance of outdoor units is subject to the actual products.

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Hi-FLEXi S Heat Recovery



HP		66HP	68HP	70HP	72HP		
Model	Model	AVWT-634FKFSA	AVWT-654FKFSA	AVWT-676FKFSA	AVWT-696FKFSA		
	Modules	AVWT-190FKFSA	AVWT-190FKFSA	AVWT-212FKFSA	AVWT-232FKFSA		
		AVWT-212FKFSA	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA		
Power Supply		AC 3Φ, 380-415V/50/60Hz					
Cooling	Capacity	185.5	192.0	197.5	204.0		
	kW						
	kBtu/h	632.9	655.1	673.9	696.0		
	Power Input	54.18	56.73	59.23	61.82		
EER	3.42	3.38	3.33	3.30			
Heating	Capacity(Max/Nom)	207.0 / 185.5	213.0 / 192.0	219.0 / 197.5	225.0 / 204.0		
	kBtu/h	706.3 / 632.9	726.8 / 655.1	747.2 / 673.9	767.7 / 696.0		
	Power Input(Max/Nom)	56.72 / 47.74	59.33 / 50.20	61.63 / 52.62	64.29 / 55.14		
	kW						
COP(Max)	3.65	3.59	3.55	3.50			
Ventilation	Air Flow Rate	859	859	888	888		
	m ³ /min						
	Fan Quantity	6	6	6	6		
Static Pressure	110	110	110	110			
Pa							
Sound	Sound Pressure Level	70	70	70	71		
	dB(A)						
Compressor	Type	Enhanced Vapor Injection Scroll Compressor					
	Compressor Quantity	6	6	6	6		
Refrigerant	Type	R410A					
	Pre-charged Quantity	9.80+10.60+10.60	9.80+10.60+10.60	10.60+10.60+10.60	10.60+10.60+10.60		
	kg						
Weight	Net Weight	369+377+378	369+378+378	377+378+378	378+378+378		
	Gross Weight	393+401+402	393+402+402	401+402+402	402+402+402		
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	
		Packing(HxWxD)	mm	1930x (1420+1420+1420) x790	1930x (1420+1420+1420) x790	1930x (1420+1420+1420) x790	1930x (1420+1420+1420) x790
	Cabinet Color	Low Pressure Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
		High/Low Pressure Gas Line	mm(in.)	Φ41.3(1-5/8)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
Heat Recovery Operation System	Liquid Line	mm(in.)	Φ22.2(7/8)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	
	Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	
Heat Pump Operation System	Liquid Line	mm(in.)	Φ22.2(7/8)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	
	Quantity	pcs	64	64	64	64	
Connectable Indoor Units	Total Capacity	-	200%*1	200%*1	200%*1	200%*1	
	Height Difference Between ODU and IDU	m(above)	50(90*)	50(90*)	50(90*)	50(90*)	
Piping Design	m(below)	40(90*)	40(90*)	40(90*)	40(90*)		
	Height Difference Between IDUs	m	15(30*)	15(30*)	15(30*)		
	Max. Piping Length	m	165	165	165		
	Operation Range	Cooling	DB	-10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C
Heating	WB	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C		

Notes:

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

Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.

Heating conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference: 0m.

2. 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.

3. The final appearance of outdoor units is subject to the actual products.

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Hi-FLEXi S Heat Recovery



HP		74HP	76HP	78HP	80HP
Model	Model	AVWT-714FKFSA	AVWT-732FKFSA	AVWT-754FKFSA	AVWT-776FKFSA
	Modules	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA
		AVWT-250FKFSA	AVWT-250FKFSA	AVWT-250FKFSA	AVWT-272FKFSA
Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW 208.5	213.0	220.5	228.0
		kBtu/h 711.4	726.8	752.3	777.9
	Power Input	kW 63.11	64.41	66.75	69.09
	EER	kW/kW 3.30	3.31	3.30	3.30
Heating	Capacity(Max/Nom)	kW 230.0 / 208.5	235.0 / 213.0	245.0 / 220.5	255.0 / 228.0
		kBtu/h 784.8 / 711.4	801.8 / 726.8	835.9 / 752.3	870.1 / 777.9
	Power Input(Max/Nom)	kW 65.19 / 55.98	66.11 / 56.83	69.76 / 59.51	73.45 / 62.21
Ventilation	COP(Max)	kW/kW 3.53	3.55	3.51	3.47
	Air Flow Rate	m³/min 942	996	996	996
	Fan Quantity	6	6	6	6
Sound	Static Pressure	Pa 110	110	110	110
	Sound Pressure Level	dB(A) 71	71	71	71
Compressor	Type	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs 6	6	6	6
Refrigerant	Type	R410A			
	Pre-charged Quantity	kg 10.60+10.60+11.50	10.60+11.50+11.50	10.60+11.50+11.50	10.60+11.50+11.50
Weight	Net Weight	kg 378+378+400	378+400+400	378+400+401	378+401+401
	Gross Weight	kg 402+402+426	402+426+426	402+426+427	402+427+427
Dimensions	External(HxWxD)	mm 1730x (1350+1350+1600)	1730x (1350+1600+1600)	1730x (1350+1600+1600)	1730x (1350+1600+1600)
		x750	x750	x750	x750
	Packing(HxWxD)	mm 1930x (1420+1420+1665)	1930x (1420+1665+1665)	1930x (1420+1665+1665)	1930x (1420+1665+1665)
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White
	Low Pressure Gas Line	mm(in.) φ50.8(2)	φ50.8(2)	φ50.8(2)	φ50.8(2)
Heat Recovery Operation System	High/Low Pressure Gas Line	mm(in.) φ44.5(1-3/4)	φ44.5(1-3/4)	φ44.5(1-3/4)	φ44.5(1-3/4)
	Liquid Line	mm(in.) φ25.4(1)	φ25.4(1)	φ25.4(1)	φ25.4(1)
Heat Pump Operation System	Gas Line	mm(in.) φ50.8(2)	φ50.8(2)	φ50.8(2)	φ50.8(2)
	Liquid Line	mm(in.) φ25.4(1)	φ25.4(1)	φ25.4(1)	φ25.4(1)
Connectable Indoor Units	Quantity	pcs 64	64	64	64
	Total Capacity	- 200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above) 50(90*)	50(90*)	50(90*)	50(90*)
		m(below) 40(90*)	40(90*)	40(90*)	40(90*)
	Height Difference Between IDUs	m 15(30*)	15(30*)	15(30*)	15(30*)
	Max. Piping Length	m 165	165	165	165
Operation Range	Cooling	DB -10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C
	Heating	WB -25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

Notes:
 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
 Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.
 Heating conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference: 0m.
 2. 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.
 3. The final appearance of outdoor units is subject to the actual products.
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Hi-FLEXi S Heat Recovery



HP		82HP	84HP	86HP	88HP
Model	Model	AVWT-794FKFSA	AVWT-816FKFSA	AVWT-824FKFSA	AVWT-844FKFSA
	Modules	AVWT-250FKFSA	AVWT-272FKFSA	AVWT-190FKFSA	AVWT-190FKFSA
		AVWT-272FKFSA	AVWT-272FKFSA	AVWT-212FKFSA	AVWT-232FKFSA
Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW 232.5	240.0	241.5	248.0
		kBtu/h 793.3	818.9	824.0	846.2
	Power Input	kW 70.39	72.73	69.76	72.29
	EER	kW/kW 3.30	3.30	3.46	3.43
Heating	Capacity(Max/Nom)	kW 260.0 / 232.5	270.0 / 240.0	270.0 / 241.5	276.0 / 248.0
		kBtu/h 887.1 / 793.3	921.2 / 818.9	921.2 / 824.0	941.7 / 846.2
	Power Input(Max/Nom)	kW 74.33 / 63.05	78.03 / 65.75	73.24 / 61.26	75.83 / 63.69
Ventilation	COP(Max)	kW/kW 3.50	3.46	3.69	3.64
	Air Flow Rate	m³/min 1050	1050	1126	1126
	Fan Quantity	6	6	8	8
Sound	Static Pressure	Pa 110	110	110	110
	Sound Pressure Level	dB(A) 72	72	72	72
Compressor	Type	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs 6	6	8	8
Refrigerant	Type	R410A			
	Pre-charged Quantity	kg 11.50+11.50+11.50	11.50+11.50+11.50	9.80+9.80+10.60+10.60	9.80+9.80+10.60+10.60
Weight	Net Weight	kg 400+401+401	401+401+401	369+369+377+378	369+369+378+378
	Gross Weight	kg 426+427+427	427+427+427	393+393+401+402	393+393+402+402
Dimensions	External(HxWxD)	mm 1730x (1600+1600+1600)	1730x (1600+1600+1600)	1730x (1350+1350+1350+1350)	1730x (1350+1350+1350+1350)
		x750	x750	x750	x750
	Packing(HxWxD)	mm 1930x (1665+1665+1665)	1930x (1665+1665+1665)	1930x (1420+1420+1420+1420)	1930x (1420+1420+1420+1420)
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White
	Low Pressure Gas Line	mm(in.) φ50.8(2)	φ50.8(2)	φ50.8(2)	φ50.8(2)
Heat Recovery Operation System	High/Low Pressure Gas Line	mm(in.) φ44.5(1-3/4)	φ44.5(1-3/4)	φ44.5(1-3/4)	φ44.5(1-3/4)
	Liquid Line	mm(in.) φ25.4(1)	φ25.4(1)	φ25.4(1)	φ25.4(1)
Heat Pump Operation System	Gas Line	mm(in.) φ50.8(2)	φ50.8(2)	φ50.8(2)	φ50.8(2)
	Liquid Line	mm(in.) φ25.4(1)	φ25.4(1)	φ25.4(1)	φ25.4(1)
Connectable Indoor Units	Quantity	pcs 64	64	64	64
	Total Capacity	- 200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above) 50(90*)	50(90*)	50(90*)	50(90*)
		m(below) 40(90*)	40(90*)	40(90*)	40(90*)
	Height Difference Between IDUs	m 15(30*)	15(30*)	15(30*)	15(30*)
	Max. Piping Length	m 165	165	165	165
Operation Range	Cooling	DB -10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C
	Heating	WB -25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

Notes:
 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
 Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.
 Heating conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference: 0m.
 2. 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.
 3. The final appearance of outdoor units is subject to the actual products.
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Hi-FLEXi S Heat Recovery



HP		90HP	92HP	94HP	96HP	
Model	Model	AVWT-866FKFSA	AVWT-886FKFSA	AVWT-908FKFSA	AVWT-928FKFSA	
	Modules	AVWT-190FKFSA	AVWT-190FKFSA	AVWT-212FKFSA	AVWT-232FKFSA	
		AVWT-212FKFSA	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA	
		AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA	
Power Supply		AC 3 ϕ , 380-415V/50/60Hz				
Cooling	Capacity	kW	253.5	260.0	265.5	272.0
		kBtu/h	864.9	887.1	905.9	928.1
	Power Input	kW	74.77	77.33	79.83	82.42
	EER	kW/kW	3.39	3.36	3.33	3.30
Heating	Capacity(Max/Nom)	kW	282.0 / 253.5	288.0 / 260.0	294.0 / 265.5	300.0 / 272.0
		kBtu/h	962.2 / 864.9	982.7 / 887.1	1003.1 / 905.9	1023.6 / 928.1
	Power Input(Max/Nom)	kW	78.12 / 66.09	80.75 / 68.56	83.06 / 71.00	85.71 / 73.51
	COP(Max)	kW/kW	3.61	3.57	3.54	3.50
Ventilation	Air Flow Rate	m ³ /min	1155	1155	1184	1184
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	72	72	72	72
	Type	-	Enhanced Vapor Injection Scroll Compressor			
Compressor	Compressor Quantity	pcs	8	8	8	8
	Type	-	R410A			
Refrigerant	Pre-charged Quantity	kg	9.80+10.60+10.60+10.60	9.80+10.60+10.60+10.60	10.60+10.60+10.60+10.60	10.60+10.60+10.60+10.60
	Net Weight	kg	369+377+378+378	369+378+378+378	377+378+378+378	378+378+378+378
	Gross Weight	kg	393+401+402+402	393+402+402+402	401+402+402+402	402+402+402+402
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750
		mm	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790
	Packing(HxWxD)	mm	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750
		mm	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790
Cabinet Color	Low Pressure Gas Line	mm(in.)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)
	High/Low Pressure Gas Line	mm(in.)	ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)
	Liquid Line	mm(in.)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)
Heat Pump Operation System	Gas Line	mm(in.)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)
	Liquid Line	mm(in.)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*)	50(90*)	50(90*)	50(90*)
		m(below)	40(90*)	40(90*)	40(90*)	40(90*)
	Height Difference Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C
	Heating	WB	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ C WB, pipe length: 7.5m, pipe height difference: 0m.

2. 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.

3. The final appearance of outdoor units is subject to the actual products.

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

?: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Heat Recovery



HP		98HP	100HP	102HP	104HP	
Model	Model	AVWT-946FKFSA	AVWT-968FKFSA	AVWT-988FKFSA	AVWT-1008FKFSA	
	Modules	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-212FKFSA	AVWT-232FKFSA	
		AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA	
		AVWT-232FKFSA	AVWT-232FKFSA	AVWT-272FKFSA	AVWT-272FKFSA	
Power Supply		AC 3 ϕ , 380-415V/50/60Hz				
Cooling	Capacity	kW	276.5	284.0	289.5	296.0
		kBtu/h	943.4	969.0	987.8	1010.0
	Power Input	kW	83.72	86.06	87.10	89.70
	EER	kW/kW	3.30	3.30	3.32	3.30
Heating	Capacity(Max/Nom)	kW	305.0 / 276.5	315.0 / 284.0	324.0 / 289.5	330.0 / 296.0
		kBtu/h	1040.7 / 943.4	1074.8 / 969.0	1105.5 / 987.8	1126.0 / 1010.0
	Power Input(Max/Nom)	kW	86.62 / 74.36	90.29 / 77.05	92.19 / 78.05	94.87 / 80.59
	COP(Max)	kW/kW	3.52	3.49	3.51	3.48
Ventilation	Air Flow Rate	m ³ /min	1238	1238	1292	1292
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	72	72	72	73
	Type	-	Enhanced Vapor Injection Scroll Compressor			
Compressor	Compressor Quantity	pcs	8	8	8	8
	Type	-	R410A			
Refrigerant	Pre-charged Quantity	kg	10.60+10.60+10.60+11.50	10.60+10.60+10.60+11.50	10.60+10.60+11.50+11.50	10.60+10.60+11.50+11.50
	Net Weight	kg	378+378+378+400	378+378+378+401	377+378+401+401	378+378+401+401
	Gross Weight	kg	402+402+402+426	402+402+402+427	401+402+427+427	402+402+427+427
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1600+1600) x750	1730x (1350+1350+1600+1600) x750
		mm	1930x (1420+1420+1420+1665) x790	1930x (1420+1420+1420+1665) x790	1930x (1420+1420+1665+1665) x790	1930x (1420+1420+1665+1665) x790
	Packing(HxWxD)	mm	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1600+1600) x750	1730x (1350+1350+1600+1600) x750
		mm	1930x (1420+1420+1420+1665) x790	1930x (1420+1420+1420+1665) x790	1930x (1420+1420+1665+1665) x790	1930x (1420+1420+1665+1665) x790
Cabinet Color	Low Pressure Gas Line	mm(in.)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)
	High/Low Pressure Gas Line	mm(in.)	ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)
	Liquid Line	mm(in.)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)
Heat Pump Operation System	Gas Line	mm(in.)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)
	Liquid Line	mm(in.)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*)	50(90*)	50(90*)	50(90*)
		m(below)	40(90*)	40(90*)	40(90*)	40(90*)
	Height Difference Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C	-10 $^{\circ}$ C-52 $^{\circ}$ C
	Heating	WB	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ C WB, pipe length: 7.5m, pipe height difference: 0m.

2. 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.

3. The final appearance of outdoor units is subject to the actual products.

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?: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Heat Recovery



HP		106HP	108HP	110HP	112HP
Model	Model	AVWT-1026FKFSA	AVWT-1048FKFSA	AVWT-1066FKFSA	AVWT-1088FKFSA
	Modules	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-250FKFSA	AVWT-272FKFSA
		AVWT-250FKFSA	AVWT-272FKFSA	AVWT-272FKFSA	AVWT-272FKFSA
		AVWT-272FKFSA	AVWT-272FKFSA	AVWT-272FKFSA	AVWT-272FKFSA
Power Supply		AC 3φ, 380-415V/50/60Hz			
Cooling	Capacity	300.5	308.0	312.5	320.0
	kW	1025.3	1050.9	1066.3	1091.8
	Power Input	90.99	93.33	94.63	96.97
	EER	3.30	3.30	3.30	3.30
Heating	Capacity(Max/Nom)	335.0 / 300.5	345.0 / 308.0	350.0 / 312.5	360.0 / 320.0
	kW	1143.0 / 1025.3	1177.1 / 1050.9	1194.2 / 1066.3	1228.3 / 1091.8
	Power Input(Max/Nom)	95.76 / 81.42	99.46 / 84.13	100.34 / 84.96	104.05 / 87.67
	COP(Max)	3.50	3.47	3.49	3.46
Ventilation	Air Flow Rate	1346	1346	1400	1400
	Fan Quantity	8	8	8	8
	Static Pressure	110	110	110	110
Sound	Sound Pressure Level	73	73	73	73
	Type	Enhanced Vapor Injection Scroll Compressor			
Compressor	Compressor Quantity	8	8	8	8
	Type	R410A			
Refrigerant	Pre-charged Quantity	10.60+11.50+11.50+11.50	10.60+11.50+11.50+11.50	11.50+11.50+11.50+11.50	11.50+11.50+11.50+11.50
	Net Weight	378+400+401+401	378+401+401+401	400+401+401+401	401+401+401+401
	Gross Weight	402+426+427+427	402+427+427+427	426+427+427+427	427+427+427+427
	External(HxWxD)	1730x (1350+1600+1600+1600) x750	1730x (1350+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750
Dimensions	Packing(HxWxD)	1930x (1420+1665+1665+1665) x790	1930x (1420+1665+1665+1665) x790	1930x (1665+1665+1665+1665) x790	1930x (1665+1665+1665+1665) x790
	Cabinet Color	Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	φ50.8(2)	φ50.8(2)	φ50.8(2)	φ50.8(2)
	High/Low Pressure Gas Line	φ44.5(1-3/4)	φ44.5(1-3/4)	φ44.5(1-3/4)	φ44.5(1-3/4)
	Liquid Line	φ25.4(1)	φ25.4(1)	φ25.4(1)	φ25.4(1)
Heat Pump Operation System	Gas Line	φ50.8(2)	φ50.8(2)	φ50.8(2)	φ50.8(2)
	Liquid Line	φ25.4(1)	φ25.4(1)	φ25.4(1)	φ25.4(1)
Connectable Indoor Units	Quantity	64	64	64	64
	Total Capacity	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	50(90°)	50(90°)	50(90°)	50(90°)
	Height Difference Between IDUs	40(90°)	40(90°)	40(90°)	40(90°)
	Max. Piping Length	15(30°)	15(30°)	15(30°)	15(30°)
Operation Range	Cooling	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C
	Heating	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

Notes:
 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
 Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.
 Heating conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference: 0m.
 2. 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.
 3. The final appearance of outdoor units is subject to the actual products.
 *: If you have any questions, please contact with the technical engineer.
 **: For detailed information, please contact with Hisense's technical staff.

Switch Box

Model	Single Branch		Multiple Branch				
	HCHS-N06XC	HCHS-N10XC	HCHM-N04XC	HCHM-N08XC	HCHM-N12XC	HCHM-N16XC	
Appearance							
Electrical	AC 1φ, 220-240V/50Hz; AC 1φ, 208-230V/60Hz						
Power Supply	—						
Power Input	W	5.8	5.8	15.1	29.8	45.0	60.0
Maximum Total Capacity of All Connected Indoor Units	kW	16.0	28.0	44.8	85.0	85.0	85.0
Maximum Total Capacity of Connected Indoor Units Per Port	kW	16.0	28.0	16.0	16.0	16.0	16.0
Number of Ports (for Indoor Unit)	pcs	1	1	4	8	12	16
Maximum Number of Connected Indoor Units Per Port	pcs	8	8	8	8	6	6
Outer Dimensions(H x W x D)	mm	191x300x214	191x300x214	260x303x352	260x543x352	260x783x352	260x1023x352
Net Weight	kg	6.3	6.4	14.1	25.2	35.5	46.7
Noise Level	Operation Noise	dB(A)					
	Max Noise	dB(A)					
Refrigerant	R410A						
Refrigerant Piping (Outdoor Unit Side)	Gas Line (High/Low Pressure)	mm					
	Gas Line (Low Pressure)	mm					
	Liquid Line	mm					
Refrigerant Piping (Indoor Unit Side)	Gas Line	mm					
	Liquid Line	mm					

Hydro Box

Specification for Hydro Box

Model	AHM-080FJFAA	AHM-160FJFAA		
Power Supply	AC 1φ, 220~240V/50Hz AC 1φ, 220V/60Hz			
Cooling Capacity (A 35/24°C/W 12~7°C)	7.5	12.5		
Heating Capacity (A 7/6°C/W 30~35°C)	8	16		
Power Input	kW	0.08(3.08)	0.14(3.14)	
Dimensions	H x W x D	mm		
Packing Dimensions	H x W x D	mm		
Weight	Net	kg	55	58
	Gross	kg	72	75
Heat Exchanger	Plate Heat Exchanger			
Heat Exchanger Insulation Material	Elastomeric Foam			
Water Production	Heating	°C	20 to 55	20 to 55
	DHW(with electric heater)	°C	35 to 75	35 to 75
	Cooling	°C	5 to 20	5 to 20
Sound Pressure	dB(A)	33	33	
Sound Power	dB(A)	46	46	
Piping Connections	Gas	mm	φ15.88	φ15.88
	Liquid	mm	φ9.53	φ9.53
Water Pump	Type	DC Motor		
	Speed	Inverter Control		
	Pumping Head	m	12.5	12.5
Booster Heating	Pumping Head for Water Circuit		5	5
	Power Input	w	100	160
		kW	3	3
Water Filter	Diameter Perforations	mm	0.85	0.85
	Material		Hpb59-1	Hpb59-1
Water Circuit	Piping Connections Diameter	mm	G1-1/4"	G1-1/4"
	Shut off Valve		Yes	Yes
	Drain Valve		Yes	Yes
	Safety Valve	Bar	3	3
	Air Purge Valve		Yes	Yes
Nominal Water	m³/h	1.38	2.75	
Expansion Vessel	Volume	L	8	8
	Max. Water Pressure	Bar	3	3



Operation Range

Indoor Unit Cooling		Maximum	Minimum
Indoor	32°C DB / 23°C WB	21°C DB / 15°C WB	
Outdoor	52°C DB*	-10°C DB	

Hydro Box Cooling		Maximum	Minimum
Inlet Water	25°C	10°C	
Outdoor	48°C DB	10°C DB	

Hydro Box Heating (DHW)		Maximum	Minimum
Inlet Water	54°C	10°C	
Outdoor	43°C WB	-25°C WB**	

Indoor Unit Heating		Maximum	Minimum
Indoor	27°C DB	15°C DB	
Outdoor	16.5°C WB	-25°C WB**	

Hydro Box Heating (Floor Heating)		Maximum	Minimum
Inlet Water	54°C	10°C	
Outdoor	16.5°C WB	-25°C WB**	