

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 3 ϕ , 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	mm(in.) ϕ 50.8(2)	mm(in.) ϕ 50.8(2)	mm(in.) ϕ 50.8(2)	mm(in.) ϕ 50.8(2)
	High/Low Pressure Gas Line	mm(in.) ϕ 44.5(1-3/4)	mm(in.) ϕ 44.5(1-3/4)	mm(in.) ϕ 44.5(1-3/4)	mm(in.) ϕ 44.5(1-3/4)
	Liquid Line	mm(in.) ϕ 25.4(1)	mm(in.) ϕ 25.4(1)	mm(in.) ϕ 25.4(1)	mm(in.) ϕ 25.4(1)
Heat Pump Operation System	Gas Line	mm(in.) ϕ 50.8(2)	mm(in.) ϕ 50.8(2)	mm(in.) ϕ 50.8(2)	mm(in.) ϕ 50.8(2)
	Liquid Line	mm(in.) ϕ 25.4(1)	mm(in.) ϕ 25.4(1)	mm(in.) ϕ 25.4(1)	mm(in.) ϕ 25.4(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	m(above) 50(90*)	m(above) 50(90*)	m(above) 50(90*)	m(above) 50(90*)
	Height Difference Between IDUs	m(below) 40(90*)	m(below) 40(90*)	m(below) 40(90*)	m(below) 40(90*)
	Max. Piping Length	15(30*)	15(30*)	15(30*)	15(30*)
Operation Range	Cooling	DB -10°C~52°C	DB -10°C~52°C	DB -10°C~52°C	DB -10°C~52°C
	Heating	WB -25°C~16.5°C	WB -25°C~16.5°C	WB -25°C~16.5°C	WB -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 1 ϕ , 220-240V/50Hz; AC 1 ϕ , 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)	33	33	31	31	34	
	Max Noise	dB(A)	46	46	43	46	48	49
Refrigerant	R410A							
Refrigerant Piping (Outdoor Unit Side)	Gas Line (High/Low Pressure)	mm	15.88	15.88	22.2	22.2	25.4	
	Gas Line (Low Pressure)	mm	19.05	19.05	25.4	28.6	28.6	31.75
	Liquid Line	mm	—	—	12.7	12.7	15.88	19.05
Refrigerant Piping (Indoor Unit Side)	Gas Line	mm	15.88	19.05	15.88	15.88	15.88	
	Liquid Line	mm	—	—	9.52	9.52	9.52	9.52

Hydro Box

Specification for Hydro Box

Model	AHM-080FJFAA	AHM-160FJFAA		
Power Supply	AC 1 ϕ , 220~240V/50Hz AC 1 ϕ , 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	890 x 520 x 320	890 x 520 x 320
Packing Dimensions	H x W x D	mm	1120 x 595 x 462	1120 x 595 x 462
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	ϕ 15.88	ϕ 15.88
	Liquid	mm	ϕ 9.53	ϕ 9.53
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	m ³ /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**