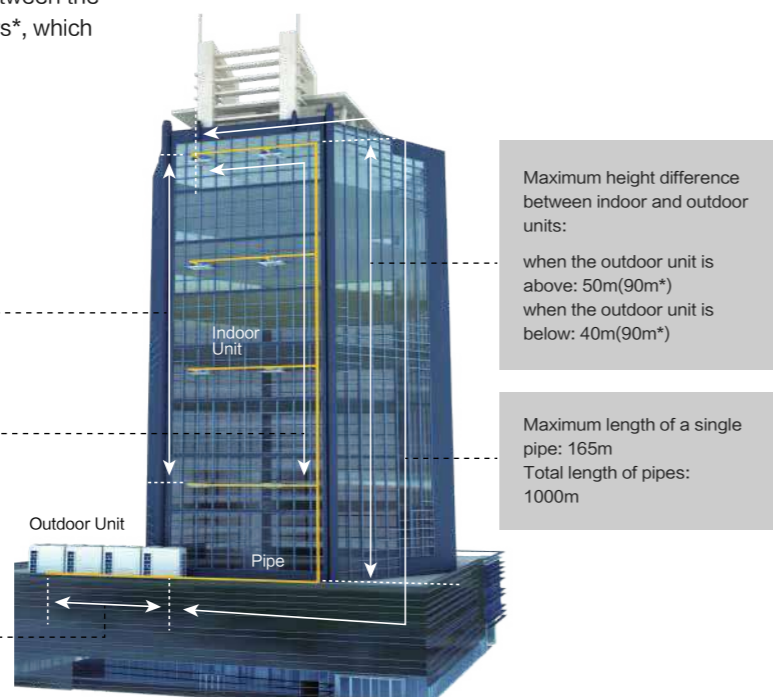


# Hi-FLEXi S mavo+ Series



## Extra Long Pipe Design

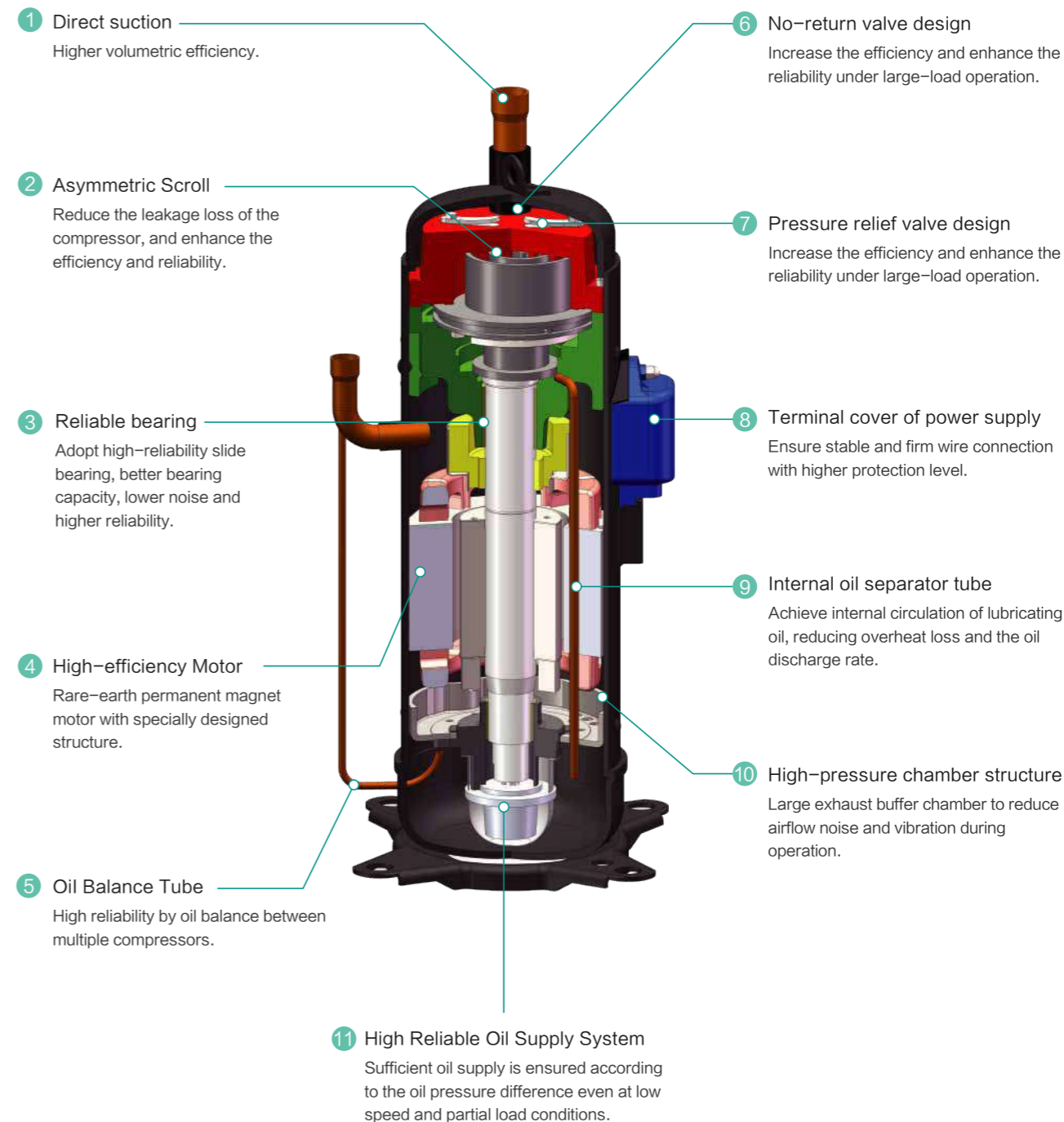
With extra long pipe, the height difference between the indoor unit and outdoor unit is up to 90 meters\*, which makes installation more flexible.



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

## High-efficiency Compressor

Hi-FLEXi S mavo+ series adopts a new generation of scroll compressor, and it has an excellent mechanism called as FCM (Frame Compliant Mechanism) which will optimally increase the performance of the whole compressor, especially for operation under low load.



### Hi-FLEXi S mavo+ Series



HP		8HP	10HP	12HP	14HP	16HP	18HP
Model	Model	AVWT-76HKFSEA	AVWT-96HKFSEA	AVWT-114HKFSEA	AVWT-136HKFSEA	AVWT-154HKFSEA	AVWT-170HKFSEA
	Modules	—	—	—	—	—	—
Power Supply		AC 3 $\phi$ , 380-415V/50/60Hz					
Cooling	Capacity	kW	22.4	28.0	33.5	40.0	45.0
		kBtu/h	76.4	95.5	114.3	136.5	153.5
	Power Input	kW	4.79	6.60	7.96	10.34	12.26
	EER	kW/kW	4.68	4.24	4.21	3.87	3.67
Heating	Capacity	kW	25.0	31.5	37.5	45.0	50.0
		kBtu/h	85.3	107.5	128.0	153.5	170.6
	Power Input	kW	5.13	6.79	8.50	10.84	12.20
	COP	kW/kW	4.87	4.64	4.41	4.15	4.10
Ventilation	Air Flow Rate	m <sup>3</sup> /min	183	183	183	200	200
	Fan Quantity		1	1	1	2	2
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	56	57	59	59	61
	Night Shift Mode	dB(A)	41	42	44	44	46
Compressor	Type	Scroll Compressor					
	Compressor Quantity	pcs	1	1	1	1	1
Refrigerant	Type	R410A					
	Pre-charged Quantity	kg	5.3	5.3	6.2	8.0	8.0
Weight	Net Weight	kg	217	219	223	272	296
	Gross Weight	kg	246	248	252	306	307
Dimensions	External(HxWxD)	mm	1730x950x750	1730x950x750	1730x950x750	1730x1210x750	1730x1210x750
	Packing(HxWxD)	mm	1950x1015x790	1950x1015x790	1950x1015x790	1950x1275x790	1950x1275x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	$\phi$ 19.05	$\phi$ 22.20	$\phi$ 25.40	$\phi$ 25.40	$\phi$ 28.60
		inch	3/4	7/8	1	1	1-1/8
	Liquid	mm	$\phi$ 9.53	$\phi$ 9.53	$\phi$ 12.70	$\phi$ 12.70	$\phi$ 12.70
		inch	3/8	3/8	1/2	1/2	1/2
Connectable Indoor Units	Quantity	pcs	13	16	19	23	26
	Total Capacity	—	50%~150%	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90 <sup>+</sup> )	50(90 <sup>+</sup> )	50(90 <sup>+</sup> )	50(90 <sup>+</sup> )	50(90 <sup>+</sup> )
		m(below)	40(90 <sup>+</sup> )	40(90 <sup>+</sup> )	40(90 <sup>+</sup> )	40(90 <sup>+</sup> )	40(90 <sup>+</sup> )
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range <sup>2)</sup>	Cooling	DB	-5 $^{\circ}$ C~52 $^{\circ}$ C	-5 $^{\circ}$ C~52 $^{\circ}$ C	-5 $^{\circ}$ C~52 $^{\circ}$ C	-5 $^{\circ}$ C~52 $^{\circ}$ C	-5 $^{\circ}$ 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

### Hi-FLEXi S mavo+ Series



HP		20HP	22HP	24HP	26HP	28HP
Model	Model	AVWT-190HKFSEA	AVWT-212HKFSEA	AVWT-232HKFSEA	AVWT-250HKFSEA	AVWT-272HKFSEA
	Modules	—	—	—	—	—
Power Supply		AC 3 $\phi$ , 380-415V/50/60Hz				
Cooling	Capacity	kW	56.0	61.5	68.0	72.5
		kBtu/h	191.1	209.8	232.0	247.4
	Power Input	kW	15.38	17.83	19.88	20.83
	EER	kW/kW	3.64	3.45	3.42	3.48
Heating	Capacity	kW	63.0	69.0	75.0	80.0
		kBtu/h	215.0	235.4	255.9	273.0
	Power Input	kW	16.36	18.70	20.72	21.98
	COP	kW/kW	3.85	3.69	3.62	3.64
Ventilation	Air Flow Rate	m <sup>3</sup> /min	267	296	296	350
	Fan Quantity		2	2	2	2
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	62	63	63	64
	Night Shift Mode	dB(A)	47	48	48	49
Compressor	Type	Scroll Compressor				
	Compressor Quantity	pcs	1	2	2	2
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg	10.3	12.2	12.2	12.0
Weight	Net Weight	kg	316	363	365	391
	Gross Weight	kg	347	400	402	433
Dimensions	External(HxWxD)	mm	1730x1350x750	1730x1350x750	1730x1350x750	1730x1600x750
	Packing(HxWxD)	mm	1950x1420x790	1950x1420x790	1950x1420x790	1950x1665x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	$\phi$ 28.60	$\phi$ 28.60	$\phi$ 28.60	$\phi$ 31.75
		inch	1-1/8	1-1/8	1-1/8	1-1/4
	Liquid	mm	$\phi$ 15.88	$\phi$ 15.88	$\phi$ 15.88	$\phi$ 19.05
		inch	5/8	5/8	5/8	3/4
Connectable Indoor Units	Quantity	pcs	33	36	40	43
	Total Capacity	—	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90 <sup>+</sup> )	50(90 <sup>+</sup> )	50(90 <sup>+</sup> )	50(90 <sup>+</sup> )
		m(below)	40(90 <sup>+</sup> )	40(90 <sup>+</sup> )	40(90 <sup>+</sup> )	40(90 <sup>+</sup> )
	Height Difference Between IDUs	m	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000
Operation Range <sup>2)</sup>	Cooling	DB	-5 $^{\circ}$ C~52 $^{\circ}$ C	-5 $^{\circ}$ C~52 $^{\circ}$ C	-5 $^{\circ}$ C~52 $^{\circ}$ C	-5 $^{\circ}$ 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

### Hi-FLEXi S mavo+ Series



HP		30HP	32HP	34HP	36HP
Model	Model	AVWT-290HKFSEA	AVWT-308HKFSEA	AVWT-324HKFSEA	AVWT-340HKFSEA
	Modules	AVWT-136HKFSEA AVWT-154HKFSEA	AVWT-154HKFSEA AVWT-154HKFSEA	AVWT-154HKFSEA AVWT-170HKFSEA	AVWT-170HKFSEA AVWT-170HKFSEA
Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW: 85.0	90.0	95.0	100.0
		kBtu/h: 290.0	308.0	324.0	342.0
	Power Input	kW: 22.60	24.52	26.31	28.09
	EER	kW/kW: 3.76	3.67	3.61	3.56
Heating	Capacity	kW: 95.0	100.0	106.0	112.0
		kBtu/h: 324.0	342.0	362.0	382.0
	Power Input	kW: 23.04	24.39	27.01	29.63
	COP	kW/kW: 4.12	4.10	3.92	3.78
Ventilation	Air Flow Rate	m³/min: 400	400	400	400
	Fan Quantity	4	4	4	4
	Static Pressure	Pa: 110	110	110	110
Sound Pressure Level	Normal Mode	dB(A): 64	64	64	64
	Night Shift Mode	dB(A): 49	49	49	49
Compressor	Type	Scroll Compressor			
	Compressor Quantity	pcs: 2	2	2	2
Refrigerant	Type	R410A			
	Pre-charged Quantity	kg: 8.0+8.0	8.0+8.0	8.0+9.6	9.6+9.6
Weight	Net Weight	kg: 272+273	273+273	273+296	296+296
	Gross Weight	kg: 306+307	307+307	307+330	330+330
Dimensions	External(HxWxD)	mm: 1730x	1730x	1730x	1730x
		(1210+1210)	(1210+1210)	(1210+1210)	(1210+1210)
	Packing(HxWxD)	mm: 1950x	1950x	1950x	1950x
		(1275+1275)	(1275+1275)	(1275+1275)	(1275+1275)
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm: φ31.75	φ31.75	φ38.10	φ38.10
		inch: 1-1/4	1-1/4	1-1/2	1-1/2
	Liquid	mm: φ19.05	φ19.05	φ19.05	φ19.05
		inch: 3/4	3/4	3/4	3/4
Connectable Indoor Units	Quantity	pcs: 49	52	55	59
	Total Capacity	-	50%-150%	50%-150%	50%-150%
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: 30	30	30	30
	Max. Piping Length	m: 1000	1000	1000	1000
Operation Range*2	Cooling	DB: -5°C-52°C	-5°C-52°C	-5°C-52°C	-5°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

### Hi-FLEXi S mavo+ Series



HP		38HP	40HP	42HP	44HP	46HP
Model	Model	AVWT-360HKFSEA	AVWT-380HKFSEA	AVWT-402HKFSEA	AVWT-422HKFSEA	AVWT-444HKFSEA
	Modules	AVWT-170HKFSEA AVWT-190HKFSEA	AVWT-190HKFSEA AVWT-190HKFSEA	AVWT-170HKFSEA AVWT-232HKFSEA	AVWT-190HKFSEA AVWT-232HKFSEA	AVWT-212HKFSEA AVWT-232HKFSEA
Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW: 106.0	112.0	118.0	124.0	129.5
		kBtu/h: 362.0	382.0	405.0	425.0	440.0
	Power Input	kW: 29.43	30.77	33.93	35.27	37.71
	EER	kW/kW: 3.60	3.64	3.48	3.52	3.43
Heating	Capacity	kW: 119.0	126.0	131.0	138.0	144.0
		kBtu/h: 405.0	430.0	445.0	470.0	490.0
	Power Input	kW: 31.18	32.73	35.53	37.08	39.42
	COP	kW/kW: 3.82	3.85	3.69	3.72	3.65
Ventilation	Air Flow Rate	m³/min: 467	496	496	563	592
	Fan Quantity	4	4	4	4	4
	Static Pressure	Pa: 110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A): 65	65	65	66	66
	Night Shift Mode	dB(A): 50	50	50	51	51
Compressor	Type	Scroll Compressor				
	Compressor Quantity	pcs: 2	2	3	3	4
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg: 9.6+10.3	10.3+10.3	9.6+12.2	10.3+12.2	12.2+12.2
Weight	Net Weight	kg: 296+316	316+316	296+365	316+365	363+365
	Gross Weight	kg: 330+347	347+347	330+402	347+402	400+402
Dimensions	External(HxWxD)	mm: 1730x	1730x	1730x	1730x	1730x
		(1210+1350)	(1210+1350)	(1210+1350)	(1350+1350)	(1350+1350)
	Packing(HxWxD)	mm: 1950x	1950x	1950x	1950x	1950x
		(1275+1420)	(1275+1420)	(1275+1420)	(1420+1420)	(1420+1420)
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm: φ38.10	φ38.10	φ38.10	φ38.10	φ41.30
		inch: 1-1/2	1-1/2	1-1/2	1-1/2	1-5/8
	Liquid	mm: φ19.05	φ19.05	φ19.05	φ19.05	φ22.20
		inch: 3/4	3/4	3/4	3/4	7/8
Connectable Indoor Units	Quantity	pcs: 62	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%
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: 30	30	30	30	30
	Max. Piping Length	m: 1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB: -5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C	-5°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

### Hi-FLEXi S mavo+ Series



HP		48HP	50HP	52HP	54HP	56HP
Model	Model	AVWT-464HKFSEA	AVWT-482HKFSEA	AVWT-504HKFSEA	AVWT-522HKFSEA	AVWT-544HKFSEA
	Modules	AVWT-232HKFSEA AVWT-232HKFSEA	AVWT-232HKFSEA AVWT-250HKFSEA	AVWT-232HKFSEA AVWT-272HKFSEA	AVWT-250HKFSEA AVWT-272HKFSEA	AVWT-272HKFSEA AVWT-272HKFSEA
Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW 136.0	140.5	148.0	152.5	160.0
		kBtu/h 465.0	480.0	505.0	520.0	545.0
	Power Input	kW 39.77	40.72	43.98	44.93	48.19
	EER	kW/kW 3.42	3.45	3.37	3.39	3.32
Heating	Capacity	kW 150.0	155.0	165.0	170.0	180.0
		kBtu/h 510.0	530.0	565.0	580.0	615.0
	Power Input	kW 41.44	42.70	46.29	47.55	51.14
	COP	kW/kW 3.62	3.63	3.56	3.58	3.52
Ventilation	Air Flow Rate	m³/min 592	646	646	700	700
	Fan Quantity	4	4	4	4	4
	Static Pressure	Pa 110	110	110	110	110
	Sound Pressure Level	Normal Mode dB(A) 66	67	67	67	67
	Night Shift Mode dB(A) 51	52	52	52	52	
Compressor	Type	Scroll Compressor				
	Compressor Quantity	pcs 4	4	4	4	4
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg 12.2+12.2	12.2+12.0	12.2+12.0	12.0+12.0	12.0+12.0
Weight	Net Weight	kg 365+365	365+391	365+392	391+392	392+392
	Gross Weight	kg 402+402	402+433	402+434	433+434	434+434
Dimensions	External(HxWxD)	mm 1730x	1730x	1730x	1730x	1730x
		(1350+1350) x750	(1350+1600) x750	(1350+1600) x750	(1600+1600) x750	(1600+1600) x750
	Packing(HxWxD)	mm 1950x	1950x	1950x	1950x	1950x
		(1420+1420) x790	(1420+1665) x790	(1420+1665) x790	(1665+1665) x790	(1665+1665) x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm φ41.3	φ41.3	φ41.3	φ41.3	φ41.3
		inch 1-5/8	1-5/8	1-5/8	1-5/8	1-5/8
	Liquid	mm φ22.2	φ22.2	φ22.2	φ22.2	φ22.2
		inch 7/8	7/8	7/8	7/8	7/8
Connectable Indoor Units	Quantity	pcs 64	64	64	64	64
	Total Capacity	- 50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
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 30	30	30	30	30
	Max. Piping Length	m 1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB -5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C	-5°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

### Hi-FLEXi S mavo+ Series



HP		58HP	60HP	62HP	64HP
Model	Model	AVWT-552HKFSEA	AVWT-572HKFSEA	AVWT-592HKFSEA	AVWT-612HKFSEA
	Modules	AVWT-170HKFSEA AVWT-170HKFSEA AVWT-212HKFSEA	AVWT-170HKFSEA AVWT-170HKFSEA AVWT-232HKFSEA	AVWT-170HKFSEA AVWT-190HKFSEA AVWT-232HKFSEA	AVWT-190HKFSEA AVWT-190HKFSEA AVWT-232HKFSEA
Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW 161.5	168.0	174.0	180.0
		kBtu/h 550.0	575.0	595.0	615.0
	Power Input	kW 45.92	47.97	49.31	50.65
	EER	kW/kW 3.52	3.50	3.53	3.55
Heating	Capacity	kW 181.0	187.0	194.0	201.0
		kBtu/h 620.0	640.0	660.0	685.0
	Power Input	kW 48.33	50.35	51.90	53.45
	COP	kW/kW 3.75	3.71	3.74	3.76
Ventilation	Air Flow Rate	m³/min 696	696	763	792
	Fan Quantity	6	6	6	6
	Static Pressure	Pa 110	110	110	110
	Sound Pressure Level	Normal Mode dB(A) 67	67	67	67
	Night Shift Mode dB(A) 52	52	52	52	
Compressor	Type	Scroll Compressor			
	Compressor Quantity	pcs 4	4	4	4
Refrigerant	Type	R410A			
	Pre-charged Quantity	kg 9.6+9.6+12.2	9.6+9.6+12.2	9.6+10.3+12.2	10.3+10.3+12.2
Weight	Net Weight	kg 296+296+363	296+296+365	296+316+365	316+316+365
	Gross Weight	kg 330+330+400	330+330+402	330+347+402	347+347+402
Dimensions	External(HxWxD)	mm 1730x	1730x	1730x	1730x
		(1210+1210+1350) x750	(1210+1210+1350) x750	(1210+1350+1350) x750	(1210+1350+1350) x750
	Packing(HxWxD)	mm 1950x	1950x	1950x	1950x
		(1275+1275+1420) x790	(1275+1275+1420) x790	(1275+1420+1420) x790	(1275+1420+1420) x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm φ44.5	φ44.5	φ44.5	φ44.5
		inch 1-3/4	1-3/4	1-3/4	1-3/4
	Liquid	mm φ22.2	φ22.2	φ22.2	φ22.2
		inch 7/8	7/8	7/8	7/8
Connectable Indoor Units	Quantity	pcs 64	64	64	64
	Total Capacity	- 50%-150%	50%-150%	50%-150%	50%-150%
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 30	30	30	30
	Max. Piping Length	m 1000	1000	1000	1000
Operation Range*2	Cooling	DB -5°C-52°C	-5°C-52°C	-5°C-52°C	-5°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

## Hi-FLEXi S mavo+ Series



HP		66HP	68HP	70HP	72HP	74HP		
Model	Model	AVWT-634HKFSEA	AVWT-654HKFSEA	AVWT-676HKFSEA	AVWT-696HKFSEA	AVWT-714HKFSEA		
	Modules	AVWT-170HKFSEA	AVWT-190HKFSEA	AVWT-212HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA		
		AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-250HKFSEA		
Power Supply		AC 3 $\phi$ , 380-415V/50/60Hz						
Cooling	Capacity	kW	186.0	192.0	197.5	204.0	208.5	
		kBtu/h	635.0	655.0	675.0	695.0	710.0	
	Power Input	kW	53.81	55.15	57.59	59.65	60.60	
	EER	kW/kW	3.46	3.48	3.43	3.42	3.44	
Heating	Capacity	kW	206.0	213.0	219.0	225.0	230.0	
		kBtu/h	705.0	725.0	745.0	770.0	785.0	
	Power Input	kW	56.25	57.80	60.14	62.15	63.41	
	COP	kW/kW	3.66	3.69	3.64	3.62	3.63	
Ventilation	Air Flow Rate	m <sup>3</sup> /min	792	859	888	888	942	
	Fan Quantity		6	6	6	6	6	
	Static Pressure	Pa	110	110	110	110	110	
Sound Pressure Level	Normal Mode	dB(A)	67	67	68	68	68	
	Night Shift Mode	dB(A)	52	52	53	53	53	
Compressor	Type	Scroll Compressor						
	Compressor Quantity	pcs	5	5	6	6	6	
Refrigerant	Type	R410A						
	Pre-charged Quantity	kg	9.6+12.2+12.2	10.3+12.2+12.2	12.2+12.2+12.2	12.2+12.2+12.2	12.2+12.2+12.0	
Weight	Net Weight	kg	296+365+365	316+365+365	363+365+365	365+365+365	365+365+391	
	Gross Weight	kg	330+402+402	347+402+402	400+402+402	402+402+402	402+402+433	
	Dimensions	External(HxWxD)	mm	1730x (1210+1350+1350)	1730x (1350+1350+1350)	1730x (1350+1350+1350)	1730x (1350+1350+1350)	1730x (1350+1350+1600)
			x750	x750	x750	x750	x750	
Packing(HxWxD)		mm	1950x (1275+1420+1420)	1950x (1420+1420+1420)	1950x (1420+1420+1420)	1950x (1420+1420+1420)	1950x (1420+1420+1665)	
Cabinet Color	Gas	mm	1730x	1730x	1730x	1730x	1730x	
		inch	1-3/4	2	2	2	2	
		Liquid	mm	1950x	1950x	1950x	1950x	1950x
Connectable Indoor Units	Quantity	pcs	7/8	1	1	1	1	
		Total Capacity	–	50%–150%	50%–150%	50%–150%	50%–150%	50%–150%
		Height Difference Between ODU and IDU	m(above)	50(90 <sup>**</sup> )	50(90 <sup>**</sup> )	50(90 <sup>**</sup> )	50(90 <sup>**</sup> )	50(90 <sup>**</sup> )
Piping Design	Height Difference Between IDUs	m(below)	40(90 <sup>**</sup> )	40(90 <sup>**</sup> )	40(90 <sup>**</sup> )	40(90 <sup>**</sup> )	40(90 <sup>**</sup> )	
		m	30	30	30	30	30	
		Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range <sup>**</sup>	Cooling	DB	-5°C–52°C	-5°C–52°C	-5°C–52°C	-5°C–52°C	-5°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	

## Hi-FLEXi S mavo+ Series



HP		76HP	78HP	80HP	82HP	84HP		
Model	Model	AVWT-732HKFSEA	AVWT-754HKFSEA	AVWT-776HKFSEA	AVWT-794HKFSEA	AVWT-816HKFSEA		
	Modules	AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-272HKFSEA	AVWT-272HKFSEA	AVWT-272HKFSEA		
		AVWT-250HKFSEA	AVWT-250HKFSEA	AVWT-272HKFSEA	AVWT-272HKFSEA	AVWT-272HKFSEA		
Power Supply		AC 3 $\phi$ , 380-415V/50/60Hz						
Cooling	Capacity	kW	213.0	220.5	228.0	232.5	240.0	
		kBtu/h	725.0	750.0	780.0	795.0	820.0	
	Power Input	kW	61.55	64.81	68.08	69.03	72.29	
	EER	kW/kW	3.46	3.40	3.35	3.37	3.32	
Heating	Capacity	kW	235.0	245.0	255.0	260.0	270.0	
		kBtu/h	800.0	835.0	870.0	885.0	920.0	
	Power Input	kW	64.67	68.26	71.85	73.11	76.70	
	COP	kW/kW	3.63	3.59	3.55	3.56	3.52	
Ventilation	Air Flow Rate	m <sup>3</sup> /min	996	996	996	1050	1050	
	Fan Quantity		6	6	6	6	6	
	Static Pressure	Pa	110	110	110	110	110	
Sound Pressure Level	Normal Mode	dB(A)	68	68	68	69	69	
	Night Shift Mode	dB(A)	53	53	53	54	54	
Compressor	Type	Scroll Compressor						
	Compressor Quantity	pcs	6	6	6	6	6	
Refrigerant	Type	R410A						
	Pre-charged Quantity	kg	12.2+12.0+12.0	12.2+12.0+12.0	12.0+12.0+12.2	12.0+12.0+12.0	12.0+12.0+12.0	
Weight	Net Weight	kg	365+391+391	365+391+392	392+392+365	392+392+391	392+392+392	
	Gross Weight	kg	402+433+433	402+433+434	434+434+402	434+434+433	434+434+434	
	Dimensions	External(HxWxD)	mm	1730x (1350+1600+1600)	1730x (1350+1600+1600)	1730x (1600+1600+1350)	1730x (1600+1600+1600)	1730x (1600+1600+1600)
			x750	x750	x750	x750	x750	
Packing(HxWxD)		mm	1950x (1420+1665+1665)	1950x (1420+1665+1665)	1950x (1665+1665+1420)	1950x (1665+1665+1665)	1950x (1665+1665+1665)	
Cabinet Color	Gas	mm	1950x	1950x	1950x	1950x	1950x	
		inch	2	2	2	2	2	
		Liquid	mm	1950x	1950x	1950x	1950x	1950x
Connectable Indoor Units	Quantity	pcs	1	1	1	1	1	
		Total Capacity	–	50%–150%	50%–150%	50%–150%	50%–150%	50%–150%
		Height Difference Between ODU and IDU	m(above)	50(90 <sup>**</sup> )	50(90 <sup>**</sup> )	50(90 <sup>**</sup> )	50(90 <sup>**</sup> )	50(90 <sup>**</sup> )
Piping Design	Height Difference Between IDUs	m(below)	40(90 <sup>**</sup> )	40(90 <sup>**</sup> )	40(90 <sup>**</sup> )	40(90 <sup>**</sup> )	40(90 <sup>**</sup> )	
		m	30	30	30	30	30	
		Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range <sup>**</sup>	Cooling	DB	-5°C–52°C	-5°C–52°C	-5°C–52°C	-5°C–52°C	-5°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	

## Hi-FLEXi S mavo+ Series



HP		86HP	88HP	90HP	92HP	
Model	Model	AVWT-824HKFSEA	AVWT-844HKFSEA	AVWT-866HKFSEA	AVWT-886HKFSEA	
	Modules	AVWT-190HKFSEA	AVWT-190HKFSEA	AVWT-190HKFSEA	AVWT-190HKFSEA	
		AVWT-190HKFSEA	AVWT-190HKFSEA	AVWT-212HKFSEA	AVWT-232HKFSEA	
		AVWT-212HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA	
		AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA	
Power Supply	AC 3 $\phi$ , 380-415V/50/60Hz					
Cooling	Capacity	kW	241.5	248.0	253.5	260.0
		kBtu/h	825.0	845.0	865.0	885.0
	Power Input	kW	68.48	70.54	72.98	75.03
	EER	kW/kW	3.53	3.52	3.47	3.47
Heating	Capacity	kW	270.0	276.0	282.0	288.0
		kBtu/h	920.0	940.0	960.0	985.0
	Power Input	kW	72.14	74.16	76.50	78.52
	COP	kW/kW	3.74	3.72	3.69	3.67
Ventilation	Air Flow Rate	m <sup>3</sup> /min	1126	1126	1155	1155
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	69	69	69	69
	Night Shift Mode	dB(A)	54	54	54	54
Compressor	Type	Scroll Compressor				
	Compressor Quantity	pcs	6	6	7	7
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg	10.3+10.3+12.2+12.2	10.3+10.3+12.2+12.2	10.3+12.2+12.2+12.2	10.3+12.2+12.2+12.2
Weight	Net Weight	kg	316+316+363+365	316+316+365+365	316+363+365+365	316+365+365+365
	Gross Weight	kg	347+347+400+402	347+347+402+402	347+400+402+402	347+402+402+402
Dimensions	External(HxWxD)	mm	(1350+1350+1350+1350)	(1350+1350+1350+1350)	(1350+1350+1350+1350)	(1350+1350+1350+1350)
			x750	x750	x750	x750
	Packing(HxWxD)	mm	(1420+1420+1420+1420)	(1420+1420+1420+1420)	(1420+1420+1420+1420)	(1420+1420+1420+1420)
			x790	x790	x790	x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	
Ref. Piping	Gas	mm	$\phi$ 50.8	$\phi$ 50.8	$\phi$ 50.8	$\phi$ 50.8
		inch	2	2	2	2
	Liquid	mm	$\phi$ 25.4	$\phi$ 25.4	$\phi$ 25.4	$\phi$ 25.4
		inch	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%
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	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ 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

## Hi-FLEXi S mavo+ Series



HP		94HP	96HP	98HP	100HP	102HP	
Model	Model	AVWT-908HKFSEA	AVWT-928HKFSEA	AVWT-946HKFSEA	AVWT-968HKFSEA	AVWT-986HKFSEA	
	Modules	AVWT-212HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA	
		AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA	
		AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-250HKFSEA	
		AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-250HKFSEA	AVWT-272HKFSEA	AVWT-272HKFSEA	
Power Supply	AC 3 $\phi$ , 380-415V/50/60Hz						
Cooling	Capacity	kW	265.5	272.0	276.5	284.0	288.5
		kBtu/h	905.0	930.0	945.0	970.0	985.0
	Power Input	kW	77.48	79.53	80.48	83.75	84.70
	EER	kW/kW	3.43	3.42	3.44	3.39	3.41
Heating	Capacity	kW	294.0	300.0	305.0	315.0	320.0
		kBtu/h	1005.0	1025.0	1040.0	1075.0	1090.0
	Power Input	kW	80.85	82.87	84.13	87.72	88.98
	COP	kW/kW	3.64	3.62	3.63	3.59	3.60
Ventilation	Air Flow Rate	m <sup>3</sup> /min	1184	1184	1238	1238	1292
	Fan Quantity		8	8	8	8	8
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	69	69	69	70	70
	Night Shift Mode	dB(A)	54	54	54	55	55
Compressor	Type	Scroll Compressor					
	Compressor Quantity	pcs	8	8	8	8	8
Refrigerant	Type	R410A					
	Pre-charged Quantity	kg	12.2+12.2+12.2+12.2	12.2+12.2+12.2+12.2	12.2+12.2+12.2+12.0	12.2+12.2+12.2+12.0	12.2+12.2+12.0+12.0
Weight	Net Weight	kg	363+365+365+365	365+365+365+365	365+365+365+391	365+365+365+392	365+365+391+392
	Gross Weight	kg	400+402+402+402	402+402+402+402	402+402+402+433	402+402+402+434	402+402+433+434
Dimensions	External(HxWxD)	mm	(1350+1350+1350+1350)	(1350+1350+1350+1350)	(1350+1350+1350+1600)	(1350+1350+1350+1600)	(1350+1350+1600+1600)
			x750	x750	x750	x750	x750
	Packing(HxWxD)	mm	(1420+1420+1420+1420)	(1420+1420+1420+1420)	(1420+1420+1420+1665)	(1420+1420+1420+1665)	(1420+1420+1665+1665)
			x790	x790	x790	x790	x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	
Ref. Piping	Gas	mm	$\phi$ 50.8	$\phi$ 50.8	$\phi$ 50.8	$\phi$ 50.8	$\phi$ 50.8
		inch	2	2	2	2	2
	Liquid	mm	$\phi$ 25.4	$\phi$ 25.4	$\phi$ 25.4	$\phi$ 25.4	$\phi$ 25.4
		inch	1	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
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	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ 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

## Hi-FLEXi S mavo+ Series



### NOTES:

1. Rated capacity is tested in the following conditions:

Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27°CDB 19°CWB, outdoor ambient temperature 35°CDB;  
 Heating operation: indoor air inlet temperature 20°CDB, outdoor ambient temperature 7°CDB 6°CWB.

2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.

\*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.

\*2: When the operation temperature is under 48°C DB ~ 52°C DB or -25°C WB ~ -20°C WB, the system may be in intermittent operation. Please contact with our professional engineer.

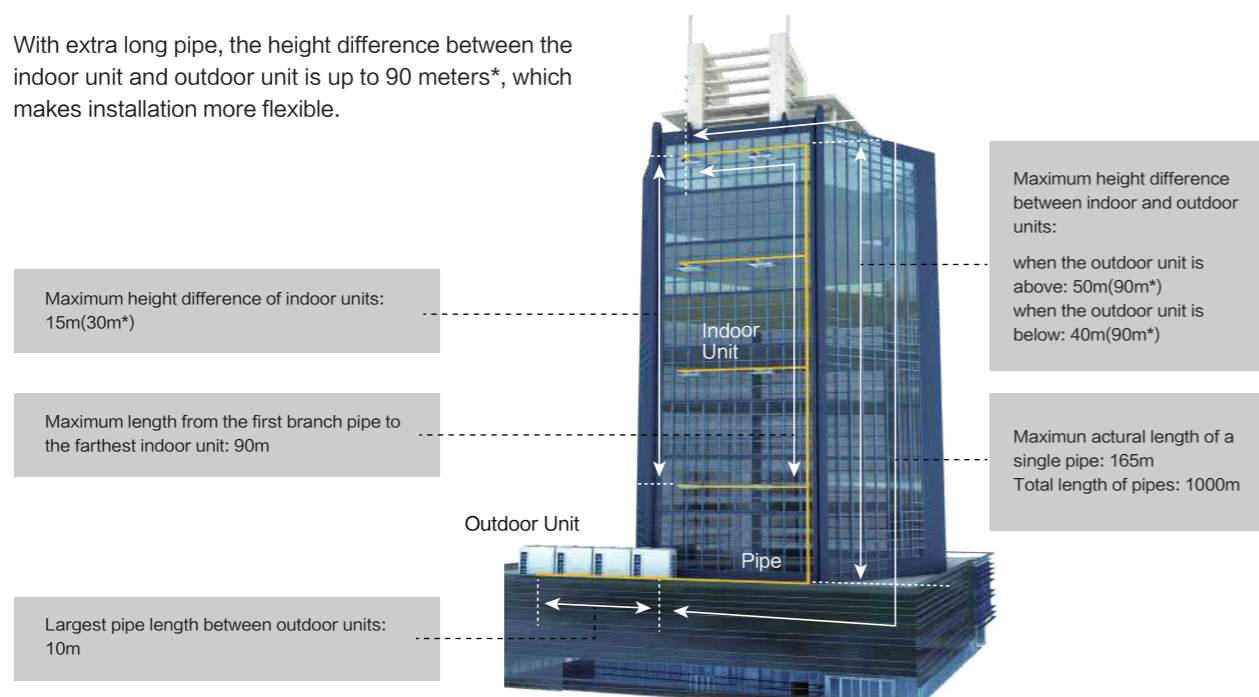
HP		104HP	106HP	108HP	110HP	112HP	
Model	Model	AVWT-1008HKFSEA	AVWT-1026HKFSEA	AVWT-1048HKFSEA	AVWT-1066HKFSEA	AVWT-1088HKFSEA	
	Modules	AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-232HKFSEA	AVWT-250HKFSEA	AVWT-272HKFSEA	
		AVWT-232HKFSEA	AVWT-250HKFSEA	AVWT-272HKFSEA	AVWT-272HKFSEA	AVWT-272HKFSEA	
		AVWT-272HKFSEA	AVWT-272HKFSEA	AVWT-272HKFSEA	AVWT-272HKFSEA	AVWT-272HKFSEA	
		AVWT-272HKFSEA	AVWT-272HKFSEA	AVWT-272HKFSEA	AVWT-272HKFSEA	AVWT-272HKFSEA	
Power Supply		AC 3Φ, 380-415V/50/60Hz					
Cooling	Capacity	kW	296.0	300.5	308.0	312.5	320.0
		kBtu/h	1010.0	1025.0	1050.0	1065.0	1090.0
	Power Input	kW	87.96	88.91	92.17	93.12	96.39
	EER	kW/kW	3.37	3.38	3.34	3.36	3.32
Heating	Capacity	kW	330.0	335.0	345.0	350.0	360.0
		kBtu/h	1125.0	1145.0	1175.0	1195.0	1230.0
	Power Input	kW	92.57	93.83	97.42	98.68	102.27
	COP	kW/kW	3.56	3.57	3.54	3.55	3.52
Ventilation	Air Flow Rate	m <sup>3</sup> /min	1292	1346	1346	1400	1400
	Fan Quantity		8	8	8	8	8
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	70	70	70	70	70
	Night Shift Mode	dB(A)	55	55	55	55	55
Compressor	Type	Scroll Compressor					
	Compressor Quantity	pcs	8	8	8	8	8
Refrigerant	Type	R410A					
	Pre-charged Quantity	kg	12.2+12.2+12.0+12.0	12.2+12.0+12.0+12.0	12.2+12.0+12.0+12.0	12.0+12.0+12.0+12.0	12.0+12.0+12.0+12.0
Weight	Net Weight	kg	365+365+392+392	365+391+392+392	365+392+392+392	391+392+392+392	392+392+392+392
	Gross Weight	kg	402+402+434+434	402+433+434+434	402+434+434+434	433+434+434+434	434+434+434+434
Dimensions	External(HxWxD)	mm	(1350+1350+1600+1600)	(1350+1600+1600+1600)	(1350+1600+1600+1600)	(1600+1600+1600+1600)	(1600+1600+1600+1600)
			x750	x750	x750	x750	x750
	Packing(HxWxD)	mm	(1420+1420+1665+1665)	(1420+1665+1665+1665)	(1420+1665+1665+1665)	(1665+1665+1665+1665)	(1665+1665+1665+1665)
			x790	x790	x790	x790	x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	φ50.8	φ50.8	φ50.8	φ50.8	φ50.8
		inch	2	2	2	2	2
	Liquid	mm	φ25.4	φ25.4	φ25.4	φ25.4	φ25.4
		inch	1	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
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	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range**	Cooling	DB	-5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C	-5°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

# Hi-FLEXi X Series



## Piping Length

With extra long pipe, the height difference between the indoor unit and outdoor unit is up to 90 meters\*, which makes installation more flexible.



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

## Hi-FLEXi X Series



HP		8HP	10HP	12HP	14HP	16HP	
Model	Model	AVWT-76UESRX	AVWT-96UESRX	AVWT-114UESX	AVWT-136UESX	AVWT-154UESX	
Model	Modules	—	—	—	—	—	
	Power Supply	AC 3 φ, 380-415V/50Hz					
Cooling	Capacity	kW	22.4	28.0	33.5	40.0	
		kBtu/h	76.5	95.6	114.3	136.5	
	Power Input	kW	5.25	7.31	8.57	11.05	13.16
	EER	kW/kW	4.27	3.83	3.91	3.62	3.42
Heating	Capacity	kW	25.0	31.5	37.5	45.0	50.0
		kBtu/h	85.3	107.5	128.0	153.5	170.6
	Power Input	kW	5.62	7.61	8.89	11.08	12.47
	COP	kW/kW	4.45	4.14	4.22	4.06	4.01
Ventilation	Air Flow Rate	m <sup>3</sup> /min	155	170	175	190	190
	Fan Quantity		1	1	1	1	1
	Static Pressure	Pa	85	85	85	85	85
Sound	Sound Pressure Level	dB(A)	62/54	64/55	64/56	65/57	66/58
	Type		Scroll				
Compressor	Compressor Quantity	pcs	1	1	1	1	1
	Type		R410A				
Refrigerant	Pre-charged Quantity	kg	6.5	6.5	9.0	9.0	10.5
	Net Weight	kg	197	197	224	227	247
Weight	Gross Weight	kg	223	223	248	250	272
	External(H × W × D)	mm	1720 × 950 × 750	1720 × 950 × 750	1720 × 1210 × 750	1720 × 1210 × 750	1720 × 1210 × 750
Dimensions	Packing(H × W × D)	mm	1882 × 1018 × 828	1882 × 1018 × 828	1882 × 1278 × 828	1882 × 1278 × 828	1882 × 1278 × 828
	Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	φ19.05	φ22.2	φ25.4	φ25.4	φ28.6
		inch	3/4	7/8	1	1	1-1/8
Liquid		mm	φ9.53	φ9.53	φ12.7	φ12.7	φ12.7
		inch	3/8	3/8	1/2	1/2	1/2
Connectable Indoor Units	Quantity	pcs	13	16	19	23	26
	Total Capacity	—	50-130%	50-130%	50-130%	50-130%	50-130%
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	-5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C
	Heating	WB	-20°C-15°C	-20°C-15°C	-20°C-15°C	-20°C-15°C	-20°C-15°C



## Hi-FLEXi X Series



## Hi-FLEXi X Series



HP		18HP	20HP	22HP	24HP	26HP	
Model	Model	AVWT-172UESZX	AVWT-190UESZX	AVWT-210UESZX	AVWT-229UESZX	AVWT-250UESZX	
	Modules	AVWT-76UESRX AVWT-96UESRX	AVWT-76UESRX AVWT-114UESSX	AVWT-96UESRX AVWT-114UESSX	AVWT-114UESSX AVWT-114UESSX	AVWT-114UESSX AVWT-136UESSX	
Power Supply		AC 3Φ, 380-415V/50Hz					
Cooling	Capacity	kW	50.4	56.0	61.5	67.0	73.5
		kBtu/h	172.0	191.1	209.8	228.6	250.8
	Power Input	kW	12.56	13.82	15.88	17.14	19.62
	EER	kW/kW	4.01	4.05	3.87	3.91	3.75
Heating	Capacity	kW	56.5	62.5	69.0	75.0	82.5
		kBtu/h	192.8	213.3	235.5	256.0	281.5
	Power Input	kW	13.23	14.51	16.50	17.78	19.97
	COP	kW/kW	4.27	4.31	4.18	4.22	4.13
Ventilation	Air Flow Rate	m <sup>3</sup> /min	155+170	155+175	170+175	175+175	175+190
	Fan Quantity		1+1	1+1	1+1	1+1	1+1
	Static Pressure	Pa	85	85	85	85	85
Sound	Sound Pressure Level	dB(A)	66/57	68/60	68/60	68/60	68/60
Compressor	Type	Scroll					
	Compressor Quantity	pcs	1+1	1+1	1+1	1+1	1+1
Refrigerant	Type	R410A					
	Pre-charged Quantity	kg	13.0	15.5	15.5	18.0	18.0
Weight	Net Weight	kg	197+197	197+224	197+224	224+224	224+227
	Gross Weight	kg	223+223	223+248	223+248	248+248	248+250
Dimensions	External(H × W × D)	mm	1720 × (950+950) × 750	1720 × (950+1210) × 750	1720 × (950+1210) × 750	1720 × (1210+1210) × 750	1720 × (1210+1210) × 750
	Packing(H × W × D)	mm	—	—	—	—	—
Cabinet Color		Ivory White					
Ref. Piping	Gas	mm	φ28.6	φ28.6	φ28.6	φ28.6	φ31.75
		inch	1-1/8	1-1/8	1-1/8	1-1/8	1-1/4
	Liquid	mm	φ15.88	φ15.88	φ15.88	φ15.88	φ19.05
		inch	5/8	5/8	5/8	5/8	3/4
Connectable Indoor Units	Quantity	pcs	26	33	36	40	43
	Total Capacity	—	50-130%	50-130%	50-130%	50-130%	50-130%
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	-5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C
	Heating	WB	-20°C-15°C	-20°C-15°C	-20°C-15°C	-20°C-15°C	-20°C-15°C

HP		28HP	30HP	32HP	34HP	36HP	
Model	Model	AVWT-268UESZX	AVWT-290UESZX	AVWT-307UESZX	AVWT-324UESZX	AVWT-343UESZX	
	Modules	AVWT-114UESSX AVWT-154UESSX	AVWT-136UESSX AVWT-154UESSX	AVWT-154UESSX AVWT-154UESSX	AVWT-96UESRX AVWT-114UESSX AVWT-114UESSX	AVWT-114UESSX AVWT-114UESSX AVWT-114UESSX	
Power Supply		AC 3Φ, 380-415V/50Hz					
Cooling	Capacity	kW	78.5	85.0	90.0	96.0	100.5
		kBtu/h	267.8	290.0	307.1	327.6	342.9
	Power Input	kW	21.73	24.21	26.32	24.45	25.71
	EER	kW/kW	3.61	3.51	3.42	3.93	3.91
Heating	Capacity	kW	87.5	95.0	100.0	106.5	112.5
		kBtu/h	298.6	324.1	341.2	363.5	384.0
	Power Input	kW	21.36	23.55	24.94	25.39	26.67
	COP	kW/kW	4.10	4.03	4.01	4.19	4.22
Ventilation	Air Flow Rate	m <sup>3</sup> /min	175+190	190+190	190+190	170+175+175	175+175+175
	Fan Quantity		1+1	1+1	1+1	1+1+1	1+1+1
	Static Pressure	Pa	85	85	85	85	85
Sound	Sound Pressure Level	dB(A)	69/61	69/61	69/62	70/63	70/63
Compressor	Type	Scroll					
	Compressor Quantity	pcs	1+1	1+1	1+1	1+1+1	1+1+1
Refrigerant	Type	R410A					
	Pre-charged Quantity	kg	19.5	19.5	21.0	24.5	27.0
Weight	Net Weight	kg	224+247	227+247	247+247	197+224+224	224+224+224
	Gross Weight	kg	248+272	250+272	272+272	223+248+248	248+248+248
Dimensions	External(H × W × D)	mm	1720 × (1210+1210) × 750	1720 × (1210+1210) × 750	1720 × (1210+1210) × 750	1720 × (950+1210+1210) × 750	1720 × (1210+1210+1210) × 750
	Packing(H × W × D)	mm	—	—	—	—	—
Cabinet Color		Ivory White					
Ref. Piping	Gas	mm	φ31.75	φ31.75	φ31.75	φ31.75	φ38.1
		inch	1-1/4	1-1/4	1-1/4	1-1/4	1-1/2
	Liquid	mm	φ19.05	φ19.05	φ19.05	φ19.05	φ19.05
		inch	3/4	3/4	3/4	3/4	3/4
Connectable Indoor Units	Quantity	pcs	47	50	53	56	59
	Total Capacity	—	50-130%	50-130%	50-130%	50-130%	50-130%
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	-5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C
	Heating	WB	-20°C-15°C	-20°C-15°C	-20°C-15°C	-20°C-15°C	-20°C-15°C

## Hi-FLEXi X Series



## Hi-FLEXi X Series



HP		38HP	40HP	42HP	44HP	46HP
Model	Model	AVWT-365UESZX	AVWT-386UESZX	AVWT-404UESZX	AVWT-420UESZX	AVWT-444UESZX
	Modules	AVWT-114UESSX	AVWT-114UESSX	AVWT-114UESSX	AVWT-114UESSX	AVWT-136UESSX
		AVWT-114UESSX AVWT-136UESSX	AVWT-114UESSX AVWT-154UESSX	AVWT-136UESSX AVWT-154UESSX	AVWT-154UESSX	AVWT-154UESSX
Power Supply		AC 3Φ, 380-415V/50Hz				
Cooling	Capacity	kW 107.0	113.0	118.5	123.5	130.0
	Capacity	kBtu/h 365.1	385.6	404.3	421.1	443.6
	Power Input	kW 28.19	30.30	32.78	34.89	37.37
	EER	kW/kW 3.80	3.73	3.62	3.54	3.48
Heating	Capacity	kW 120.0	125.0	132.5	137.5	145.0
	Capacity	kBtu/h 409.5	426.6	452.1	469.2	494.7
	Power Input	kW 28.86	30.25	32.44	33.83	36.02
	COP	kW/kW 4.16	4.13	4.08	4.06	4.03
Ventilation	Air Flow Rate	m³/min 175+175+190	175+175+190	175+190+190	175+190+190	190+190+190
	Fan Quantity	1+1+1	1+1+1	1+1+1	1+1+1	1+1+1
	Static Pressure	Pa 85	85	85	85	85
Sound	Sound Pressure Level	dB(A) 71/64	71/64	71/64	72/65	72/65
	Type	Scroll				
Compressor	Compressor Quantity	pcs 1+1+1	1+1+1	1+1+1	1+1+1	1+1+1
	Type	R410A				
Refrigerant	Pre-charged Quantity	kg 27.0	28.5	28.5	30.0	30.0
	Net Weight	kg 224+224+227	224+224+247	224+227+247	224+247+247	227+247+247
Weight	Gross Weight	kg 248+248+250	248+248+272	248+250+272	248+272+272	250+272+272
	External(H×W×D)	mm 1720× (1210+1210+1210) ×750	1720× (1210+1210+1210) ×750	1720× (1210+1210+1210) ×750	1720× (1210+1210+1210) ×750	1720× (1210+1210+1210) ×750
Dimensions	Packing(H×W×D)	mm —	—	—	—	—
	Cabinet Color	Ivory White				
Ref. Piping	Gas	mm φ38.1	φ38.1	φ38.1	φ38.1	φ38.1
		inch 1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
	Liquid	mm φ19.05	φ19.05	φ19.05	φ19.05	φ19.05
		inch 3/4	3/4	3/4	3/4	3/4
Connectable Indoor Units	Quantity	pcs 64	64	64	64	64
	Total Capacity	— 50-130%	50-130%	50-130%	50-130%	50-130%
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 -5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C
	Heating	WB -20°C-15°C	-20°C-15°C	-20°C-15°C	-20°C-15°C	-20°C-15°C

HP		48HP	50HP	52HP	54HP	56HP
Model	Model	AVWT-460UESZX	AVWT-480UESZX	AVWT-500UESZX	AVWT-520UESZX	AVWT-540UESZX
	Modules	AVWT-154UESSX	AVWT-114UESSX	AVWT-114UESSX	AVWT-114UESSX	AVWT-114UESSX
		AVWT-154UESSX AVWT-154UESSX	AVWT-114UESSX AVWT-136UESSX	AVWT-136UESSX AVWT-136UESSX	AVWT-136UESSX AVWT-154UESSX	AVWT-154UESSX AVWT-154UESSX
Power Supply		AC 3Φ, 380-415V/50Hz				
Cooling	Capacity	kW 135.0	140.4	146.0	151.5	157.0
	Capacity	kBtu/h 460.6	479.0	498.2	516.9	535.7
	Power Input	kW 39.48	36.76	39.24	41.35	43.46
	EER	kW/kW 3.42	3.82	3.72	3.66	3.61
Heating	Capacity	kW 150.0	156.5	163.0	169.0	175.0
	Capacity	kBtu/h 511.8	534.0	556.2	576.6	597.1
	Power Input	kW 37.41	37.75	39.94	41.33	42.72
	COP	kW/kW 4.01	4.15	4.08	4.09	4.10
Ventilation	Air Flow Rate	m³/min 190+190+190	175+175+175+190	175+175+190+190	175+175+190+190	175+175+190+190
	Fan Quantity	1+1+1	1+1+1+1	1+1+1+1	1+1+1+1	1+1+1+1
	Static Pressure	Pa 85	85	85	85	85
Sound	Sound Pressure Level	dB(A) 72/65	73/66	73/66	73/66	73/66
	Type	Scroll				
Compressor	Compressor Quantity	pcs 1+1+1	1+1+1+1	1+1+1+1	1+1+1+1	1+1+1+1
	Type	R410A				
Refrigerant	Pre-charged Quantity	kg 31.5	36.0	36.0	37.5	39.0
	Net Weight	kg 247+247+247	224+224+224+227	224+224+227+227	224+224+227+247	224+224+247+247
Weight	Gross Weight	kg 272+272+272	248+248+248+250	248+248+250+250	248+248+250+272	248+248+272+272
	External(H×W×D)	mm 1720× (1210+1210+1210) ×750	1720× (1210+1210+1210+1210) ×750	1720× (1210+1210+1210+1210) ×750	1720× (1210+1210+1210+1210) ×750	1720× (1210+1210+1210+1210) ×750
Dimensions	Packing(H×W×D)	mm —	—	—	—	—
	Cabinet Color	Ivory White				
Ref. Piping	Gas	mm φ38.1	φ41.3	φ41.3	φ41.3	φ41.3
		inch 1-1/2	1-5/8	1-5/8	1-5/8	1-5/8
	Liquid	mm φ19.05	φ22.2	φ22.2	φ22.2	φ22.2
		inch 3/4	7/8	7/8	7/8	7/8
Connectable Indoor Units	Quantity	pcs 64	64	64	64	64
	Total Capacity	— 50-130%	50-130%	50-130%	50-130%	50-130%
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 -5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C
	Heating	WB -20°C-15°C	-20°C-15°C	-20°C-15°C	-20°C-15°C	-20°C-15°C

## Hi-FLEXi X Series



## NOTES:

- Rated cooling capacity is 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.
- 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.

- The final appearance of outdoor units is subject to the actual products.
- For 4 modular combination please contact manufacture for special design.
  - When the cooling operation temperature is over 52°C, please contact our professional engineer.
  - For detailed information, please contact with Hisense's technical staff.

\*1:

HP		58HP	60HP	62HP	64HP	
Model	Model	AVWT-560UESZX	AVWT-580UESZX	AVWT-600UESZX	AVWT-620UESZX	
	Modules	AVWT-114UESSX	AVWT-114UESSX	AVWT-136UESSX	AVWT-154UESSX	
		AVWT-136UESSX	AVWT-154UESSX	AVWT-154UESSX	AVWT-154UESSX	
		AVWT-154UESSX	AVWT-154UESSX	AVWT-154UESSX	AVWT-154UESSX	
Power Supply		AC 3φ, 380-415V/50Hz				
Cooling	Capacity	kW	163.5	168.5	175.0	180.0
		kBtu/h	557.9	574.9	597.1	614.2
	Power Input	kW	45.94	48.05	50.53	52.64
	EER	kW/kW	3.56	3.51	3.46	3.42
Heating	Capacity	kW	182.5	187.5	195.0	200.0
		kBtu/h	622.7	639.8	665.3	682.4
	Power Input	kW	44.91	46.30	48.49	49.88
	COP	kW/kW	4.06	4.05	4.02	4.01
Ventilation	Air Flow Rate	m <sup>3</sup> /min	175+190+190+190	175+190+190+190	190+190+190+190	190+190+190+190
	Fan Quantity		1+1+1+1	1+1+1+1	1+1+1+1	1+1+1+1
	Static Pressure	Pa	85	85	85	85
Sound	Sound Pressure Level	dB(A)	74/67	74/67	74/67	74/67
Compressor	Type	Scroll				
	Compressor Quantity	pcs	1+1+1+1	1+1+1+1	1+1+1+1	1+1+1+1
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg	39.0	40.5	40.5	42.0
Weight	Net Weight	kg	224+227+247+247	224+247+247+247	227+247+247+247	247+247+247+247
	Gross Weight	kg	248+250+272+272	248+272+272+272	250+272+272+272	272+272+272+272
Dimensions	External(H × W × D)	mm	1720 × (1210+1210+1210+1210) × 750	1720 × (1210+1210+1210+1210) × 750	1720 × (1210+1210+1210+1210) × 750	1720 × (1210+1210+1210+1210) × 750
	Packing(H × W × D)	mm	—	—	—	—
Cabinet Color		Ivory White				
Ref. Piping	Gas	mm	φ44.5	φ44.5	φ44.5	φ44.5
		inch	1-3/4	1-3/4	1-3/4	1-3/4
	Liquid	mm	φ22.2	φ22.2	φ22.2	φ22.2
		inch	7/8	7/8	7/8	7/8
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	—	50-130%	50-130%	50-130%	50-130%
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	-5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C
	Heating	WB	-20°C-15°C	-20°C-15°C	-20°C-15°C	-20°C-15°C

## Hi-Smart H Series



### Compact Size and Light Weight

Mini VRF H series outdoor units are compact in size for more convenient and flexible space design and installation, hidden in corners of balconies and yards or even on rooftops when necessary. With smaller and slimmer body frames, meaning a lot of unnecessary weights are taken off, which makes installation or positioning simpler.



### Aviation Level Design of Grilling

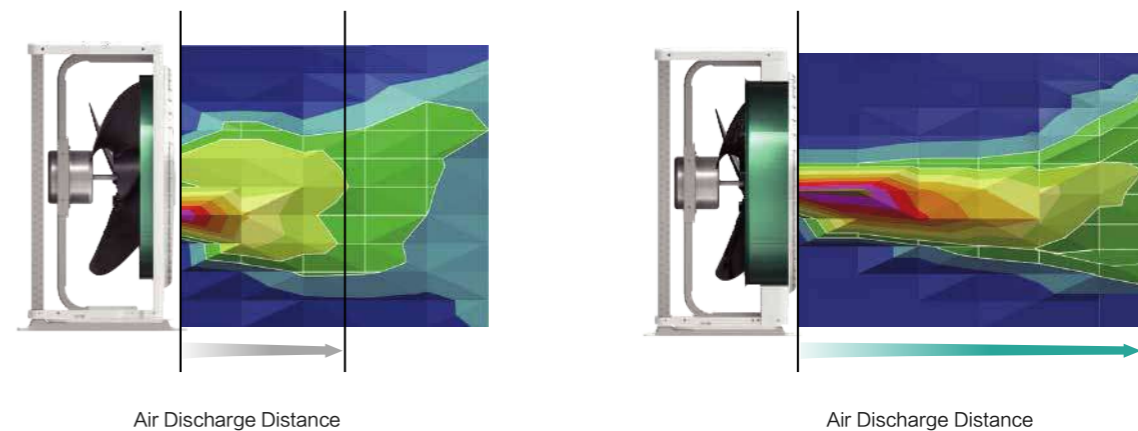
Hisense H series creates a high-quality quiet environment. The design of the grilling follows the design concept of the aircraft engine design, which conforms to the aerodynamics principle. The noise has been greatly reduced. The grilling also increases safety as being a preventative for child figure being injured by the fan blade.



### New Designed Air Channel

An additional air duct like channel surrounding the fan is designed to further discharge the air and avoid discharge air from being absorbed again. Air is tested to discharge up to 24% further compared with the conventional one. Besides, 30Pa external static pressure is available for units capacity ranged from 8HP to 12HP.

**24%**  
Further Air Discharge



1.5-2m/s    2-2.5m/s    2.5-3m/s

## Flexible Piping Connection

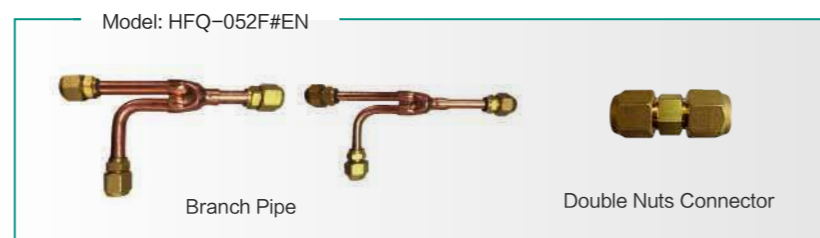
Installation restrictions on site does not stop Hisense mini VRF there with flexible piping directions which includes front, bottom, right, rear connections.



## New Refrigerant Pipe Connection with Flare-nut Branch Pipe

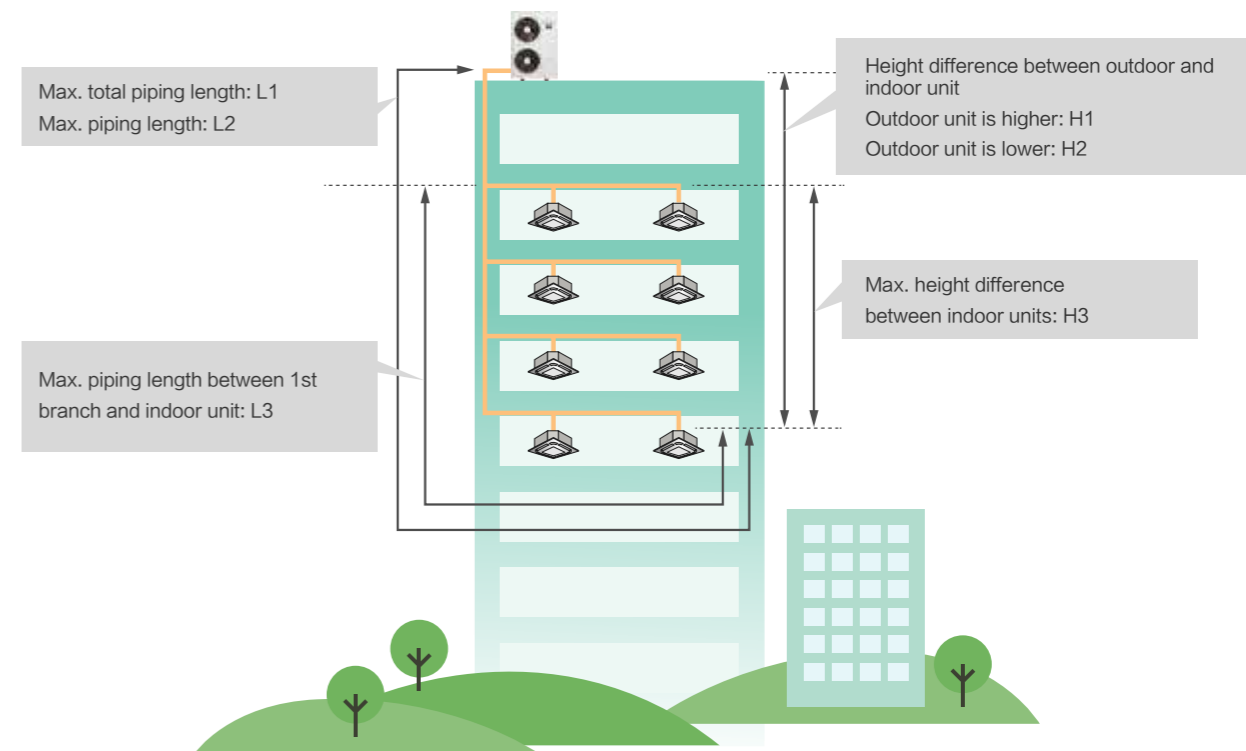
Hisense VRF has newly developed the Flare-nut Branch Pipes, breaking through the common way of connecting refrigerant copper pipes by replacing welding processes with simple and safe flare nuts connections.

- Convenient and simple installation
- Saving installation time and cost
- Enhanced safety with no fire-involving process
- Preventing leakages due to poor welding
- No hot work permit application is required



## Excellent Piping Length

Increased piping length allows for flexible design and installation. Hisense inverter technology and two-level cooling technology allows longer piping length and outstanding height differences. The air-conditioning system can be implemented more flexibly.



Power supply	AC 1 φ, 220-240V/ 50/60Hz			AC 1 φ, 220-240V/ 50/60Hz	AC 3 φ, 380-415V/ 50/60Hz	AC 3 φ, 380-415V/ 50/60Hz
	3HP	4HP	5HP	4/5/6HP	8HP	10/12HP
HP						
Picture						
Max. total piping length L1	30	40	60	120	150	250
Max. piping length L2	25	25	50	75	100	100
Max. length between the first branch pipe and the farthest indoor unit L3	10	15	20	30	30	40
Height difference between ODU and IDU	Outdoor unit is higher H1	20	20	20	30	50
	Outdoor unit is lower H2	20	20	20	30	40
Height difference between IDUs H3	3.5	3.5	3.5	10	15	15

### Hi-Smart H Series



HP		3HP	4HP	5HP
Model		AVW-28HJFH	AVW-34HJFH	AVW-43HJFH
Power Supply		AC 1ϕ, 220V~240V/50/60Hz		
Cooling	Capacity	kW 8.0	10.0	12.5
		kBtu/h 27.3	34.1	42.7
	Power Input	kW 1.93	2.43	2.98
	EER	kW/kW 4.15	4.27	4.19
Heating	Capacity	kW 9.5	11.2	14.0
		kBtu/h 32.4	38.2	47.8
	Power Input	kW 2.37	3.01	4.15
	COP	kW/kW 4.01	3.72	3.37
Ventilation	Air Flow Rate	m³/min 46.5	69.0	78.0
Sound	Sound Pressure Level (Cooling/Heating)	dB(A) 50/52	53/55	54/57
Compressor	Type	Twin Rotary		
	Type	-		
Refrigerant	Type	R410A		
	Pre-charged Quantity	kg 2.5	2.8	2.8
Weight	Net Weight	kg 65	73	78
	Gross Weight	kg 72	81	86
Dimensions	External(HxWxD)	mm 800x950x370	800x950x370	800x950x370
	Packing(HxWxD)	mm 951x1070x515	951x1070x515	951x1070x515
Cabinet Color		Ivory White		
Ref. Piping	Gas	mm ϕ15.88	ϕ15.88	ϕ15.88
		inch 5/8	5/8	5/8
	Liquid	mm ϕ9.53	ϕ9.53	ϕ9.53
		inch 3/8	3/8	3/8
Connectable Indoor Units	Quantity	pcs 5	6	8
	Total Capacity	- 50%~125%	50%~125%	50%~125%
Piping Design	Height Difference Between ODU and IDU	m 20	20	20
		m 20	20	20
	Height Difference Between IDUs	m 3.5	3.5	3.5
		m 25	25	50
Operation Range	Cooling	DB -5°C~46°C	-5°C~46°C	-5°C~46°C
	Heating	WB -15°C~15.5°C	-15°C~15.5°C	-15°C~15.5°C

### Hi-Smart H Series



HP		4HP	5HP	6HP
Model		AVW-38HJFH	AVW-48HJFH	AVW-54HJFH
Power Supply		AC 1ϕ, 220V~240V/50/60Hz		
Cooling	Capacity	kW 11.2	14.0	15.5
		kBtu/h 38.2	47.8	52.9
	Power Input	kW 2.60	3.46	4.21
	EER	kW/kW 4.31	4.05	3.68
Heating	Capacity	kW 12.5	16.0	18.0
		kBtu/h 42.7	54.6	61.4
	Power Input	kW 2.78	3.71	4.47
	COP	kW/kW 4.50	4.31	4.03
Ventilation	Air Flow Rate	m³/min 90.0	90.0	100.0
Sound	Sound Pressure Level (Cooling/Heating)	dB(A) 50/52	52/54	53/55
Compressor	Type	Twin Rotary		
	Type	-		
Refrigerant	Type	R410A		
	Pre-charged Quantity	kg 3.8	3.8	4.1
Weight	Net Weight	kg 93	95	97
	Gross Weight	kg 111	111	111
Dimensions	External(HxWxD)	mm 1380x950x370	1380x950x370	1380x950x370
	Packing(HxWxD)	mm 1531x1070x515	1531x1070x515	1531x1070x515
Cabinet Color		Ivory White		
Ref. Piping	Gas	mm ϕ15.88	ϕ15.88	ϕ15.88
		inch 5/8	5/8	5/8
	Liquid	mm ϕ9.53	ϕ9.53	ϕ9.53
		inch 3/8	3/8	3/8
Connectable Indoor Units	Quantity	pcs 9	11	11
	Total Capacity	- 50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m 30	30	30
		m 30	30	30
	Height Difference Between IDUs	m 10	10	10
		m 75	75	75
Operation Range	Cooling	DB -5°C~46°C	-5°C~46°C	-5°C~46°C
	Heating	WB -20°C~15.5°C	-20°C~15.5°C	-20°C~15.5°C

## Hi-Smart H Series



HP		8HP	10HP	12HP	
Model		AVW-76HKFH1	AVW-96HKFH1	AVW-114HKFH1	
Power Supply		AC 3 $\phi$ , 380V-415V/50/60Hz			
Cooling	Capacity	22.4	28.0	33.5	
	kBtu/h	76.5	95.6	114.3	
	Power Input	6.37	7.75	10.30	
	SEER	6.62	6.85	6.29	
Heating	EER	3.52	3.61	3.25	
	Capacity	25.0	31.5	37.5	
	kBtu/h	85.3	107.5	128	
	Power Input	5.84	7.00	10.00	
Heating	SCOP	4.10	4.21	3.98	
	COP	4.28	4.50	3.75	
	Air Flow Rate	127.0	150.0	163.0	
Ventilation	Sound Pressure Level (Cooling/Heating)	57/58	58/59	59/60	
Compressor	Type	Twin Rotary			
	Type	R410A			
Refrigerant	Pre-charged Quantity	5.63	5.50	6.50	
	Net Weight	124	145	158	
Weight	Gross Weight	139	161	175	
	Dimensions	External (HxWxD)	1380x950x370	1650x1100x390	1650x1100x390
Packing(HxWxD)		1531x1070x515	1806x1185x530	1806x1185x530	
Cabinet Color		Ivory White			
Ref. Piping	Gas	mm	$\phi$ 19.05	$\phi$ 22.2	$\phi$ 25.4
		inch	3/4	7/8	1
	Liquid	mm	$\phi$ 9.53	$\phi$ 12.7	$\phi$ 12.7
		inch	3/8	1/2	1/2
Connectable Indoor Units	Quantity	15	17	19	
	Total Capacity	50%~150%	50%~150%	50%~150%	
Piping Design	Height Difference Between ODU and IDU	50	50	50	
	Height Difference Between IDUs	40	40	40	
	Max. Piping Length	15	15	15	
	Total Piping Length	100	100	100	
	Total Piping Length	150	250	250	
Operation Range	Cooling	DB	-5 $^{\circ}$ C~50 $^{\circ}$ C	-5 $^{\circ}$ C~50 $^{\circ}$ C	-5 $^{\circ}$ C~50 $^{\circ}$ C
	Heating	WB	-20 $^{\circ}$ C~15.5 $^{\circ}$ C	-20 $^{\circ}$ C~15.5 $^{\circ}$ C	-20 $^{\circ}$ C~15.5 $^{\circ}$ 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 sound pressure level is based on following conditions:

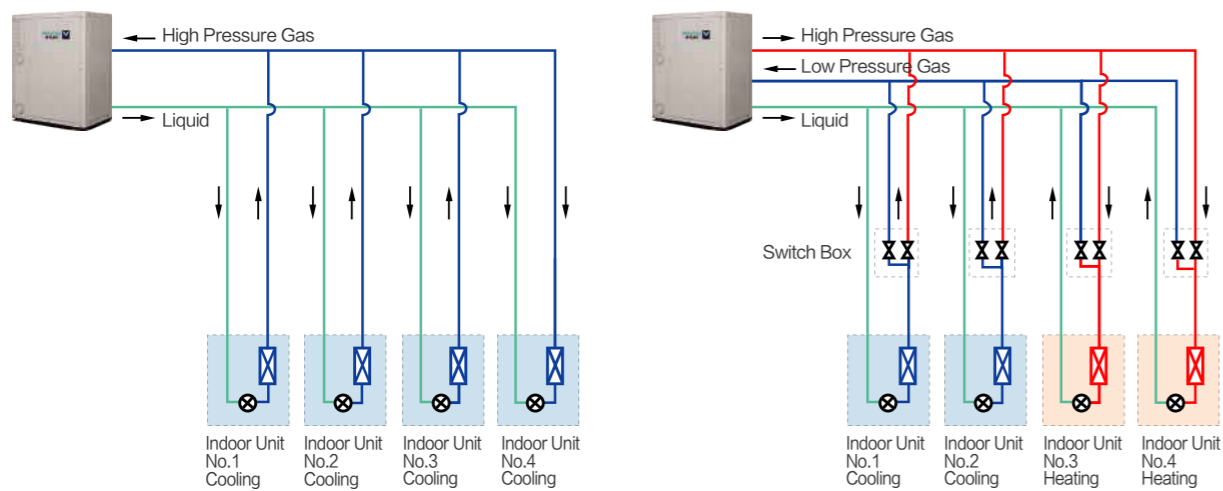
1.5m beneath the unit.

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

# Hi-FLEXi W Series

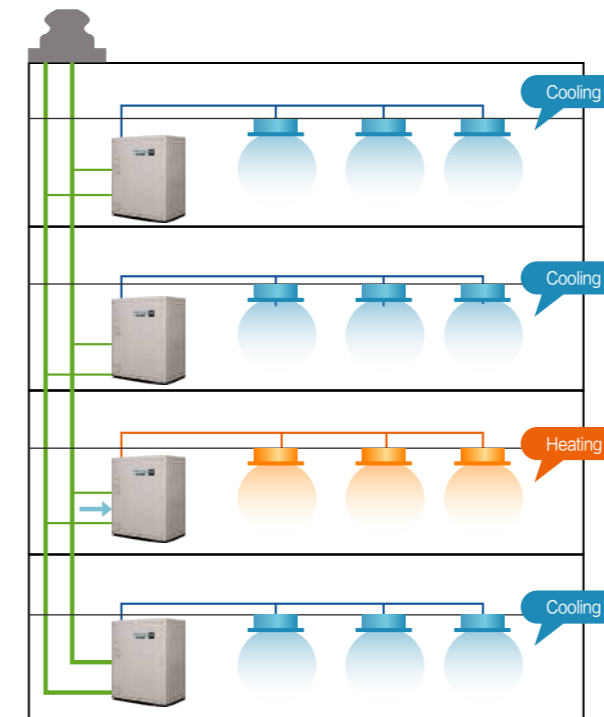


## Available for two-pipe Systems and three-pipe Systems

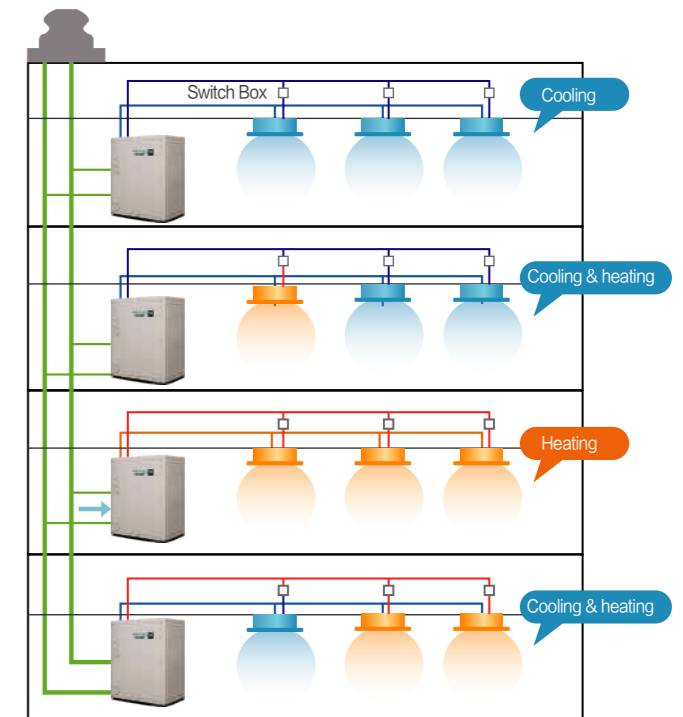


## 2-stage Heat Recovery

### 1-stage Heat Recovery



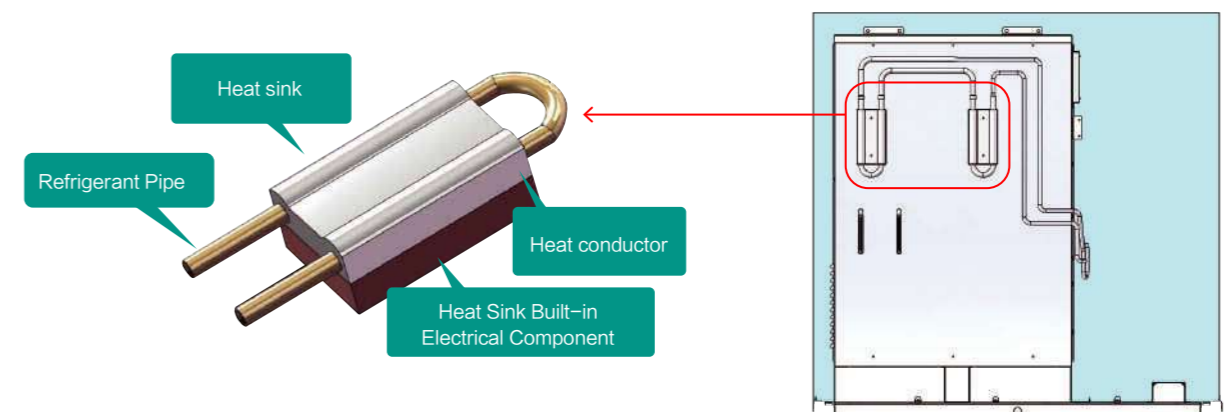
### 2-stage Heat Recovery



## Patented 360° Fitted Refrigerant Cooling Technology

Patented 360° refrigerant cooling technology can help to remove the heat from the main PCB, inverter module and electrical box efficiently, which will greatly improve the reliability of the machine, especially in the high temperature ambient.

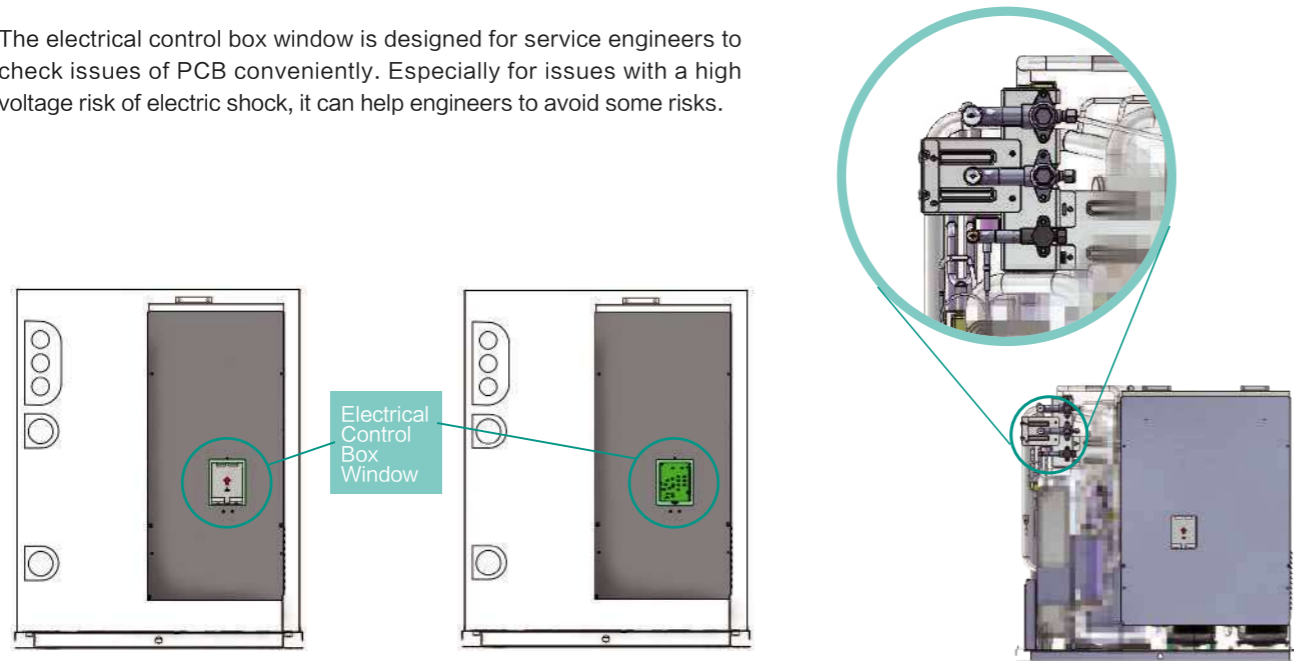
- A tin heat conductor is adopted between the refrigerant pipe and the heat sink to increase the heat transfer efficiency.
- The heat sink, made of aluminum alloy with high thermal conductivity, and the refrigerant tube are tightly combined through tube expander to improve heat exchange efficiency.





## Convenient Installation

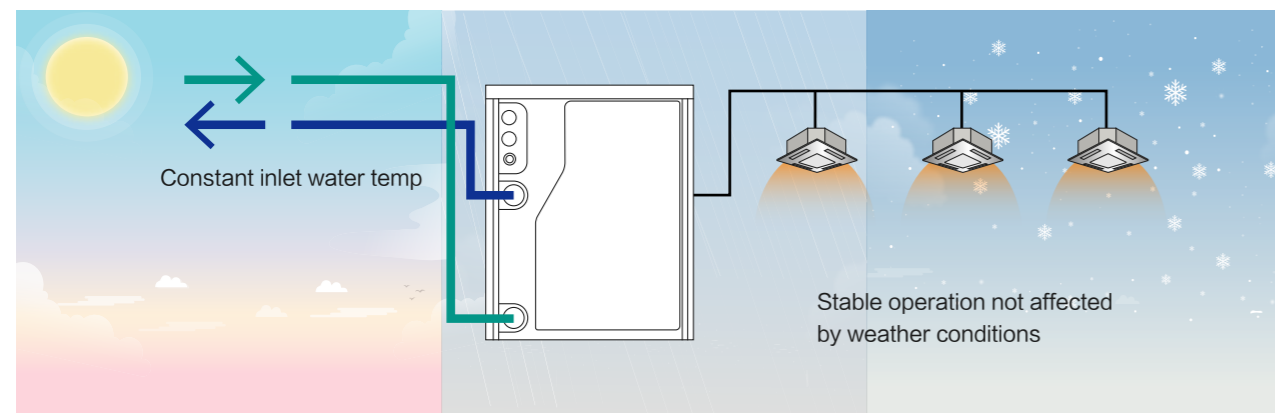
The electrical control box window is designed for service engineers to check issues of PCB conveniently. Especially for issues with a high voltage risk of electric shock, it can help engineers to avoid some risks.



It is very convenient to install and save installation space because of the front outlet pipes.

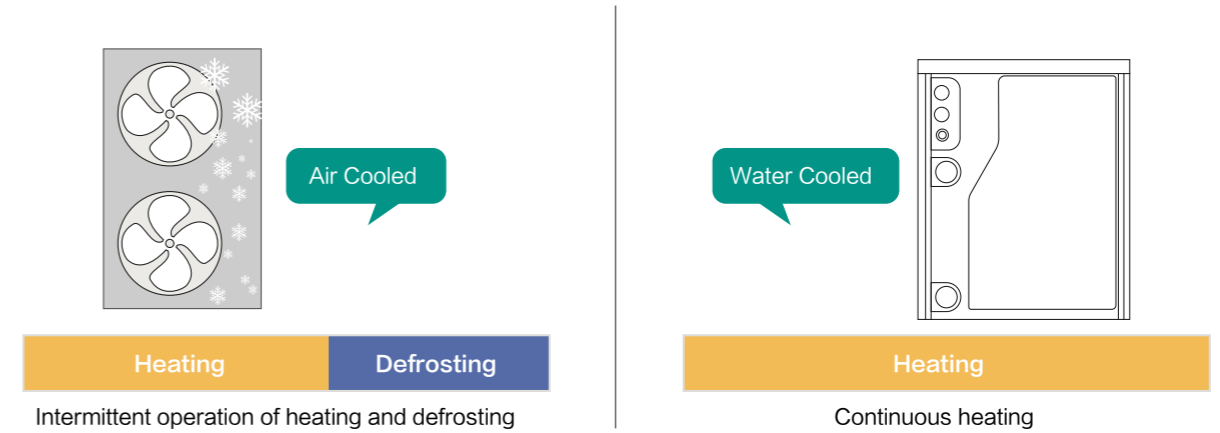
## Indoor Installation, not Affected by Weather Conditions

Indoor installation does not affect the facade of building, and avoids the poor heat dissipation problems which often encountered by many air-cooled outdoor units. Water-cooled efficiency is higher than air-cooled, making the system more energy efficient.



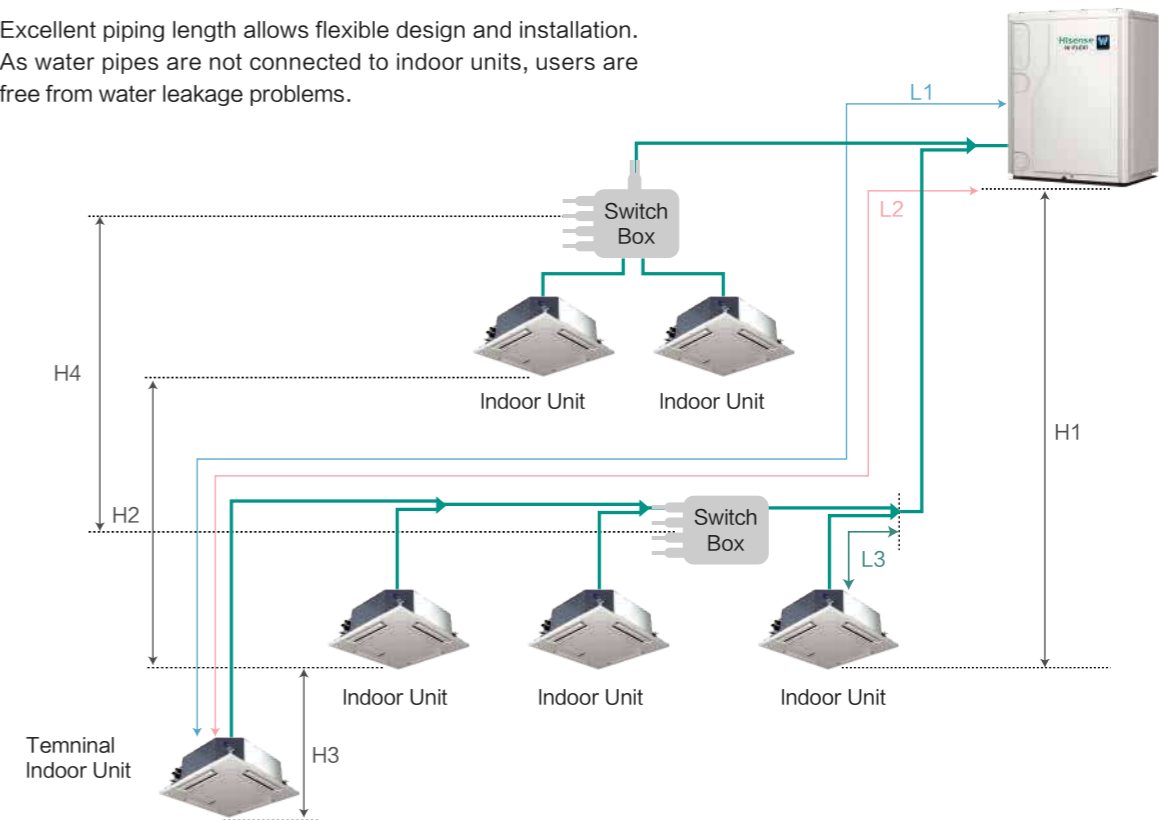
## Continuous Heating Without Defrosting Operation

Because the product is generally installed indoors, in heating mode, the cold energy is discharged to the outside through water, which avoids the defrosting problem of air-cooled products.



## Piping Length

Excellent piping length allows flexible design and installation. As water pipes are not connected to indoor units, users are free from water leakage problems.

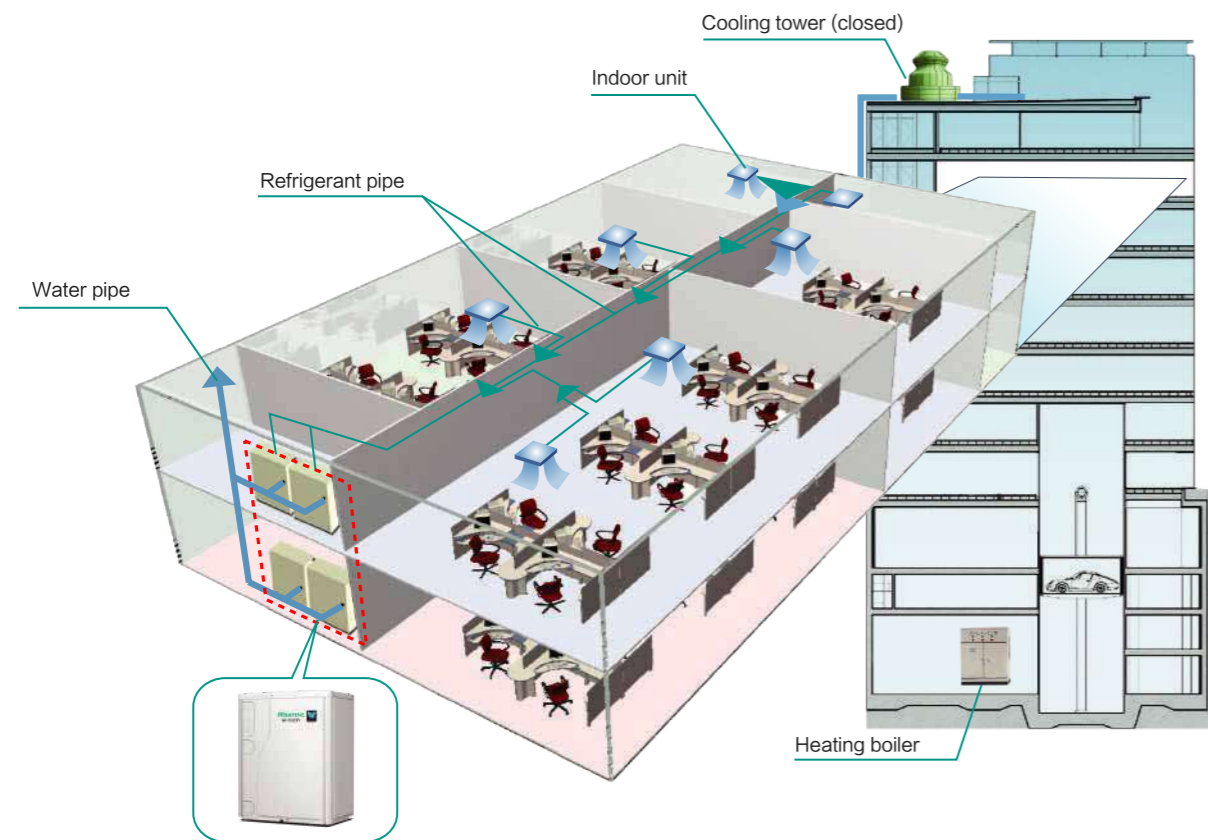


- Max. equivalent pipe length L1: 190m
- Max. pipe length from first branch to each indoor unit L2: 40m
- Max. pipe length from certain branch to the nearby indoor unit L3: 30m
- Height difference between outdoor unit and indoor unit H1: Outdoor unit is higher: 50m, Outdoor unit is lower: 40m
- Height difference between indoor units using the same SW box H3: 4m
- Height difference between SW boxes H4: 5m
- Height difference between indoor units H2: 15m

# Multiple Applications

## Building Water Loop System

Building water loop system is a common application. The circulating water is heated by boilers during heating mode, and is cooled by the cooling tower during cooling mode to maintain the temperature of the water cycling system.



## Others Applications

Uses underground heat sources like soil, surface water, underground water, seawater, lakes, rivers and more as renewable energy for cooling and heating. Water or antifreeze solution is circulated through the closed loop HDPE (High Density Poly-Ethylene) pipes buried beneath the earth's surface.



Surface water



Seawater



Groud water



Soil source

## Hi-FLEXi W Series



HP		8HP	10HP	12HP	14HP	
Model	Model	AVWW-76FKFW	AVWW-96FKFW	AVWW-114FKFW	AVWW-136FKFW	
Model	Modules	—	—	—	—	
	Power Supply	AC 3 $\phi$ , 380-415V/50/60Hz				
Cooling	Capacity	kW	22.4	28.0	33.5	40.0
		kBtu/h	76.5	95.6	114.3	136.5
	Power Input	kW	3.85	5.04	6.32	7.84
	EER	kW/kW	5.82	5.55	5.30	5.10
Heating	Capacity	kW	25.0	31.5	37.5	45.0
		kBtu/h	85.3	107.5	128.0	153.6
	Power Input	kW	4.08	5.25	6.45	8.03
Sound	COP	kW/kW	6.12	6.00	5.81	5.60
	Sound Pressure Level Cooling/Heating	dB(A)	49/51	51/53	53/54	55/57
Water-side Heat Exchanger	Water Temperature	$^{\circ}$ C	10-45	10-45	10-45	10-45
	Rated Water Flow Rate	L/min	76.7	96.0	115.0	138.3
	Water Pressure Drop	kPa	30	45	45	60
Weight	Maximum Pressure Resistance	kgf/cm $^2$	20	20	20	20
	Net Weight	kg	166	166	171	171
	Gross Weight	kg	170	170	175	175
Dimensions	External (H x W x D)	mm	1030 x 820 x 560	1030 x 820 x 560	1030 x 820 x 560	1030 x 820 x 560
	Packing(H x W x D)	mm	1180 x 900 x 632	1180 x 900 x 632	1180 x 900 x 632	1180 x 900 x 632
Ref. Piping	Liquid Pipe	mm	$\phi$ 9.53	$\phi$ 9.53	$\phi$ 12.70	$\phi$ 12.70
		inch	3/8	3/8	1/2	1/2
	Low Pressure Gas Pipe	mm	$\phi$ 19.05	$\phi$ 22.20	$\phi$ 25.40	$\phi$ 25.40
		inch	3/4	7/8	1	1
Water Connecting Pipes	High/Low Pressure Gas Pipe	mm	$\phi$ 15.88	$\phi$ 19.05	$\phi$ 22.20	$\phi$ 22.20
		inch	5/8	3/4	7/8	7/8
MAX. Connectable Indoor Units	Water Pipe		DN32	DN32	DN32	DN32
	Thread of Connector		G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B
	Drain Pipe	mm	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18
MAX. Connectable Indoor Units	Recommended		12	15	18	21
	Max.		19	24	29	34

## Hi-FLEXi W Series



HP		16HP	18HP	20HP	
	Model	AVWW-154FKFW	AVWW-170FKFW	AVWW-190FKFW	
Model	Modules	—	—	—	
	Power Supply	AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	45.0	50.0	56.0	
		kW			
		kBtu/h	153.6	170.6	191.1
	Power Input	8.11	9.43	10.98	
	kW				
EER	5.55	5.30	5.10		
	kW/kW				
Heating	Capacity	50.0	56.0	63.0	
		kW			
		kBtu/h	170.6	191.1	215.0
Power Input	8.33	9.62	10.86		
	kW				
COP	6.00	5.82	5.80		
	kW/kW				
Sound	Sound Pressure Level Cooling/Heating	51/52	53/53	53/55	
		dB(A)			
Water-side Heat Exchanger	Water Temperature	10-45	10-45	10-45	
		°C			
	Rated Water Flow Rate	153.3	166.7	193.3	
		L/min			
Water Pressure Drop	40	45	60		
	kPa				
Maximum Pressure Resistance	20	20	20		
	kgf/cm <sup>2</sup>				
Weight	Net Weight	245	246	246	
		kg			
Gross Weight	250	251	251		
	kg				
Dimensions	External (H × W × D)	1030 × 1040 × 560	1030 × 1040 × 560	1030 × 1040 × 560	
		mm			
Packing(H × W × D)	1180 × 1112 × 632	1180 × 1112 × 632	1180 × 1112 × 632		
	mm				
Ref. Piping	Liquid Pipe	φ12.70	φ15.88	φ15.88	
		mm			
		inch	1/2	5/8	5/8
	Low Pressure Gas Pipe	φ28.60	φ28.60	φ28.60	
		mm			
		inch	1-1/8	1-1/8	1-1/8
High/Low Pressure Gas Pipe	φ22.20	φ22.20	φ22.20		
	mm				
	inch	7/8	7/8	7/8	
Water Connecting Pipes	Water Pipe	DN32	DN32	DN32	
	Thread of Connector	G1-1/4B	G1-1/4B	G1-1/4B	
	Drain Pipe	mm	Outer Diameter 18	Outer Diameter 18	
MAX. Connectable Indoor Units	Recommended	23	26	29	
	Max.	39	43	48	

## Hi-FLEXi W Series



HP		22HP	24HP	26HP	28HP	30HP	
	Model	AVWW-210FKFW	AVWW-228FKFW	AVWW-250FKFW	AVWW-268FKFW	AVWW-286FKFW	
Model	Modules	AVWW-96FKFW AVWW-114FKFW	AVWW-114FKFW AVWW-114FKFW	AVWW-114FKFW AVWW-136FKFW	AVWW-114FKFW AVWW-154FKFW	AVWW-96FKFW AVWW-190FKFW	
	Power Supply	AC 3Φ, 380-415V/50/60Hz					
Cooling	Capacity	61.5	67.0	73.5	78.5	84.0	
		kW					
		kBtu/h	209.9	228.6	250.8	267.9	286.7
	Power Input	11.4	12.6	14.2	14.4	16.0	
	kW						
EER	5.41	5.30	5.19	5.44	5.24		
	kW/kW						
Heating	Capacity	69.0	75.0	82.5	87.5	94.5	
		kW					
		kBtu/h	235.4	255.9	281.6	298.6	322.4
Power Input	11.7	12.9	14.5	14.8	16.1		
	kW						
COP	5.90	5.81	5.70	5.92	5.87		
	kW/kW						
Sound	Sound Pressure Level Cooling/Heating	56/57	56/57	58/60	56/57	56/58	
		dB(A)					
Water-side Heat Exchanger	Water Temperature	10-45	10-45	10-45	10-45	10-45	
		°C					
	Rated Water Flow Rate	211.0	230.0	253.3	268.3	289.3	
		L/min					
Water Pressure Drop	/	/	/	/	/		
	kPa						
Maximum Pressure Resistance	20	20	20	20	20		
	kgf/cm <sup>2</sup>						
Weight	Net Weight	337	342	342	416	412	
		kg					
Gross Weight	345	350	350	425	421		
	kg						
Dimensions	External (H × W × D)	1030 × (820+820) × 560	1030 × (820+820) × 560	1030 × (820+820) × 560	1030 × (820+1040) × 560	1030 × (820+1040) × 560	
		mm					
Packing(H × W × D)	1180 × (900+900) × 632	1180 × (900+900) × 632	1180 × (900+900) × 632	1180 × (900+1112) × 632	1180 × (900+1112) × 632		
	mm						
Ref. Piping	Liquid Pipe	φ15.88	φ15.88	φ19.05	φ19.05	φ19.05	
		mm					
		inch	5/8	5/8	3/4	3/4	3/4
	Low Pressure Gas Pipe	φ28.60	φ28.60	φ31.75	φ31.75	φ31.75	
		mm					
		inch	1-1/8	1-1/8	1-1/4	1-1/4	1-1/4
High/Low Pressure Gas Pipe	φ25.40	φ25.40	φ25.40	φ28.60	φ28.60		
	mm						
	inch	1	1	1	1-1/8	1-1/8	
Water Connecting Pipes	Water Pipe	DN32	DN32	DN32	DN32	DN32	
	Thread of Connector	G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B	
	Drain Pipe	mm	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	
MAX. Connectable Indoor Units	Recommended	33	36	39	40	40	
	Max.	53	58	63	64	64	

### Hi-FLEXi W Series



HP		32HP	34HP	36HP	38HP	40HP	
Model	Model	AVWW-304FKFW	AVWW-326FKFW	AVWW-344FKFW	AVWW-360FKFW	AVWW-380FKFW	
Model	Modules	AVWW-114FKFW AVWW-190FKFW	AVWW-136FKFW AVWW-190FKFW	AVWW-154FKFW AVWW-190FKFW	AVWW-170FKFW AVWW-190FKFW	AVWW-190FKFW AVWW-190FKFW	
Power Supply		AC 3Φ, 380-415V/50/60Hz					
Cooling	Capacity	89.5	96.0	101.0	106.0	112.0	
		kW					
		kBtu/h	305.4	327.6	344.7	361.7	382.1
	Power Input	17.3	18.8	19.1	20.4	22.0	
	kW						
EER	kW/kW	5.17	5.10	5.29	5.19	5.10	
Heating	Capacity	100.5	108.0	113.0	119.0	126.0	
		kW					
		kBtu/h	342.9	368.6	385.6	406.0	429.9
	Power Input	17.3	18.9	19.2	20.5	21.7	
	kW						
COP	kW/kW	5.81	5.72	5.89	5.81	5.80	
Sound	Sound Pressure Level Cooling/Heating	56/58	58/60	56/58	56/58	56/58	
	dB(A)						
Water-side Heat Exchanger	Water Temperature	10-45	10-45	10-45	10-45	10-45	
	°C						
	Rated Water Flow Rate	308.3	331.7	346.7	360.0	386.7	
	L/min						
Weight	Water Pressure Drop	/	/	/	/	/	
	kPa						
	Maximum Pressure Resistance	20	20	20	20	20	
	kgf/cm <sup>2</sup>						
Dimensions	Net Weight	417	417	491	492	492	
	kg						
Ref. Piping	Gross Weight	426	426	501	502	502	
	kg						
	External (H × W × D)	1030 × (820+1040) × 560	1030 × (820+1040) × 560	1030 × (1040+1040) × 560	1030 × (1040+1040) × 560	1030 × (1040+1040) × 560	
	mm						
Water Connecting Pipes	Packing(H × W × D)	1180 × (900+1112) × 632	1180 × (900+1112) × 632	1180 × (1112+1112) × 632	1180 × (1112+1112) × 632	1180 × (1112+1112) × 632	
	mm						
MAX. Connectable Indoor Units	Liquid Pipe	φ19.05	φ19.05	φ19.05	φ19.05	φ19.05	
	mm						
	inch	3/4	3/4	3/4	3/4	3/4	
MAX. Connectable Indoor Units	Low Pressure Gas Pipe	φ31.75	φ31.75	φ31.75	φ38.10	φ38.10	
	mm						
	inch	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2	
MAX. Connectable Indoor Units	High/Low Pressure Gas Pipe	φ28.60	φ28.60	φ28.60	φ31.75	φ31.75	
	mm						
	inch	1-1/8	1-1/8	1-1/8	1-1/4	1-1/4	
MAX. Connectable Indoor Units	Water Pipe	DN32	DN32	DN32	DN32	DN32	
	Thread of Connector	G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B	
	Drain Pipe	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	
MAX. Connectable Indoor Units	Recommended	40	40	40	40	40	
	Max.	64	64	64	64	64	

### Hi-FLEXi W Series



HP		42HP	44HP	46HP	48HP	50HP	
Model	Model	AVWW-400FKFW	AVWW-418FKFW	AVWW-440FKFW	AVWW-456FKFW	AVWW-476FKFW	
Model	Modules	AVWW-96FKFW AVWW-114FKFW AVWW-190FKFW	AVWW-114FKFW AVWW-114FKFW AVWW-190FKFW	AVWW-96FKFW AVWW-154FKFW AVWW-190FKFW	AVWW-96FKFW AVWW-170FKFW AVWW-190FKFW	AVWW-96FKFW AVWW-190FKFW AVWW-190FKFW	
Power Supply		AC 3Φ, 380-415V/50/60Hz					
Cooling	Capacity	117.5	123.0	129.0	134.0	140.0	
		kW					
		kBtu/h	401.0	419.7	440.3	457.3	477.7
	Power Input	22.3	23.6	24.1	25.5	27.0	
	kW						
EER	kW/kW	5.26	5.21	5.35	5.27	5.19	
Heating	Capacity	132.0	138.0	144.5	150.5	157.5	
		kW					
		kBtu/h	450.4	470.9	493.0	513.5	537.4
	Power Input	22.6	23.8	24.4	25.7	27.0	
	kW						
COP	kW/kW	5.85	5.81	5.91	5.85	5.84	
Sound	Sound Pressure Level Cooling/Heating	58/60	58/60	58/60	58/60	58/60	
	dB(A)						
Water-side Heat Exchanger	Water Temperature	10-45	10-45	10-45	10-45	10-45	
	°C						
	Rated Water Flow Rate	404.3	423.3	442.7	456.0	482.7	
	L/min						
Weight	Water Pressure Drop	/	/	/	/	/	
	kPa						
	Maximum Pressure Resistance	20	20	20	20	20	
	kgf/cm <sup>2</sup>						
Dimensions	Net Weight	583	588	657	658	658	
	kg						
Ref. Piping	Gross Weight	596	601	671	672	672	
	kg						
	External (H × W × D)	1030 × (820+820+1040) × 560	1030 × (820+820+1040) × 560	1030 × (820+1040+1040) × 560	1030 × (820+1040+1040) × 560	1030 × (820+1040+1040) × 560	
	mm						
Water Connecting Pipes	Packing(H × W × D)	1180 × (900+900+1112) × 632	1180 × (900+900+1112) × 632	1180 × (900+1112+1112) × 632	1180 × (900+1112+1112) × 632	1180 × (900+1112+1112) × 632	
	mm						
MAX. Connectable Indoor Units	Liquid Pipe	φ19.05	φ19.05	φ19.05	φ19.05	φ19.05	
	mm						
	inch	3/4	3/4	3/4	3/4	3/4	
MAX. Connectable Indoor Units	Low Pressure Gas Pipe	φ38.10	φ38.10	φ38.10	φ38.10	φ38.10	
	mm						
	inch	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	
MAX. Connectable Indoor Units	High/Low Pressure Gas Pipe	φ31.75	φ31.75	φ31.75	φ31.75	φ31.75	
	mm						
	inch	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	
MAX. Connectable Indoor Units	Water Pipe	DN32	DN32	DN32	DN32	DN32	
	Thread of Connector	G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B	
	Drain Pipe	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	
MAX. Connectable Indoor Units	Recommended	40	40	40	40	40	
	Max.	64	64	64	64	64	

## Hi-FLEXi W Series

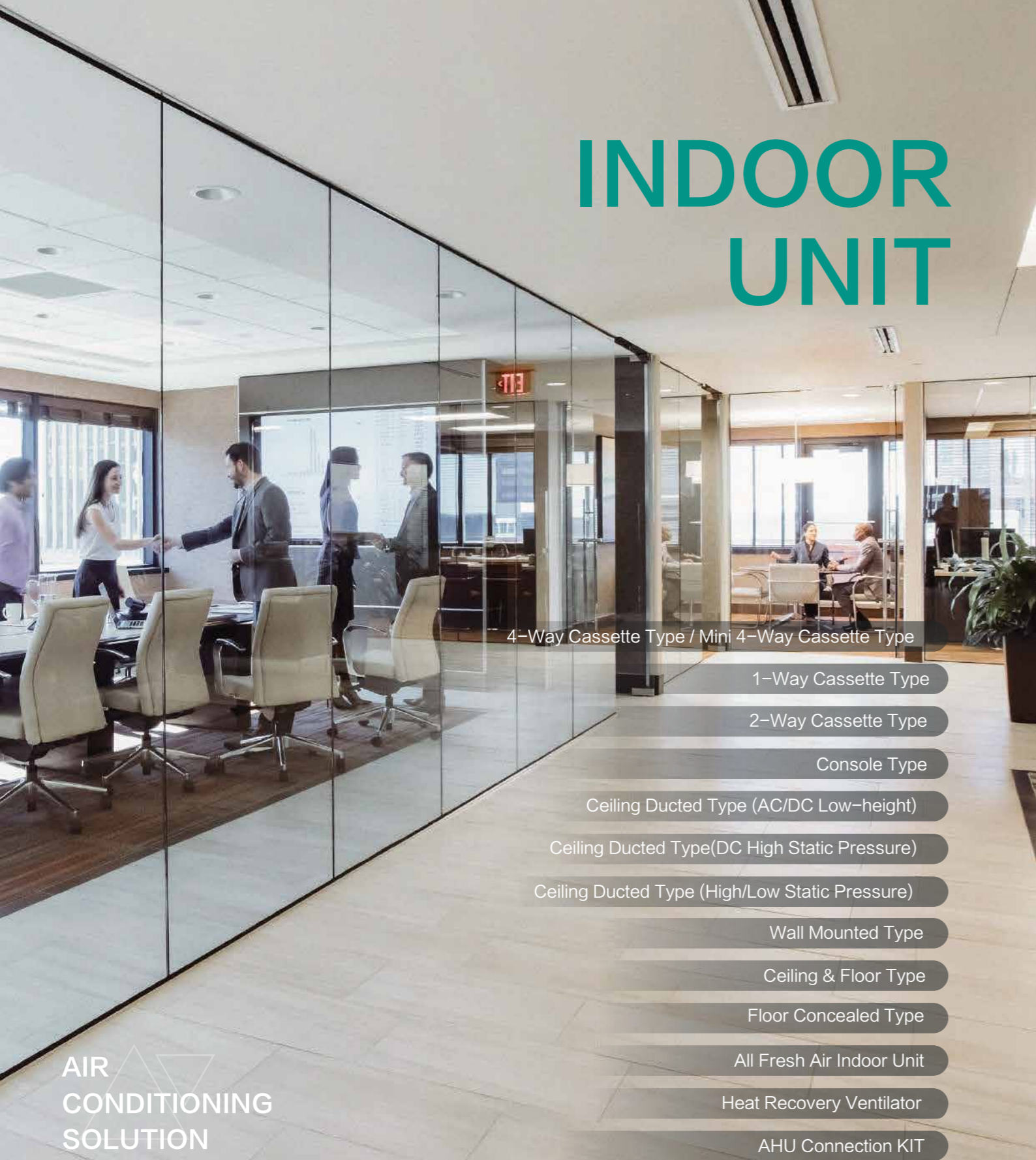


## NOTES:

- Operation condition:
  - Cooling: indoor temperature 27°C DB /19°C WB, water inlet outlet 30/35°C.
  - Heating: indoor temperature 20°C DB /15°C WB, water inlet 20°C.
- The sound pressure is based on the following conditions.
  - 1 meter from the unit service cover surface, and 1.5 meters from floor level.
  - The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
- When unit is operating out of the allowable water temperature range, it won't strat normally and will alarm.
- For Max. pipe length more than 300m, please contact with our professional engineer.

HP		52HP	54HP	56HP	58HP	60HP
Model	Model	AVWW-494FKFW	AVWW-516FKFW	AVWW-534FKFW	AVWW-550FKFW	AVWW-570FKFW
	Modules	AVWW-114FKFW	AVWW-136FKFW	AVWW-154FKFW	AVWW-170FKFW	AVWW-190FKFW
		AVWW-190FKFW	AVWW-190FKFW	AVWW-190FKFW	AVWW-190FKFW	AVWW-190FKFW
		AVWW-190FKFW	AVWW-190FKFW	AVWW-190FKFW	AVWW-190FKFW	AVWW-190FKFW
Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	145.5	152.0	157.0	162.0	168.0
	Capacity	496.4	518.6	535.7	552.7	573.2
	Power Input	28.3	29.8	30.1	31.4	32.9
	EER	5.14	5.10	5.22	5.16	5.10
Heating	Capacity	163.5	171.0	176.0	182.0	189.0
	Capacity	557.9	583.5	600.5	621.0	644.9
	Power Input	28.2	29.8	30.1	31.3	32.6
Sound	COP	5.80	5.75	5.86	5.81	5.80
	Sound Pressure Level Cooling/Heating	58/60	60/62	58/60	58/60	58/60
Water-side Heat Exchanger	Water Temperature	10-45	10-45	10-45	10-45	10-45
	Rated Water Flow Rate	501.7	525.0	540.0	553.3	580.0
	Water Pressure Drop	/	/	/	/	/
	Maximum Pressure Resistance	20	20	20	20	20
Weight	Net Weight	663	663	737	738	738
	Gross Weight	677	677	752	753	753
Dimensions	External (H × W × D)	1030 × (820+1040+1040) × 560	1030 × (820+1040+1040) × 560	1030 × (1040+1040+1040) × 560	1030 × (1040+1040+1040) × 560	1030 × (1040+1040+1040) × 560
	Packing(H × W × D)	1180 × (900+1112+1112) × 632	1180 × (900+1112+1112) × 632	1180 × (1112+1112+1112) × 632	1180 × (1112+1112+1112) × 632	1180 × (1112+1112+1112) × 632
Ref. Piping	Liquid Pipe	φ19.05 3/4	φ19.05 3/4	φ22.20 7/8	φ22.20 7/8	φ22.20 7/8
	Low Pressure Gas Pipe	φ38.10	φ38.10	φ38.10	φ38.10	φ38.10
		1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
	High/Low Pressure Gas Pipe	φ31.75	φ31.75	φ38.10	φ38.10	φ38.10
1-1/4		1-1/4	1-1/2	1-1/2	1-1/2	
Water Connecting Pipes	Water Pipe	DN32	DN32	DN32	DN32	DN32
	Thread of Connector	G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B
	Drain Pipe	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18
MAX. Connectable Indoor Units	Recommended	40	40	40	40	40
	Max.	64	64	64	64	64

# INDOOR UNIT



4-Way Cassette Type / Mini 4-Way Cassette Type

1-Way Cassette Type

2-Way Cassette Type

Console Type

Ceiling Ducted Type (AC/DC Low-height)

Ceiling Ducted Type (DC High Static Pressure)

Ceiling Ducted Type (High/Low Static Pressure)

Wall Mounted Type

Ceiling & Floor Type

Floor Concealed Type

All Fresh Air Indoor Unit

Heat Recovery Ventilator

AHU Connection KIT

AIR  
CONDITIONING  
SOLUTION

## Indoor Unit Line-up

HP		0.6	0.8	1.0	1.3	1.5	1.6	1.8	1.9	2.0	2.3	2.5	3.0	3.3	4.0	5.0	6.0	8.0	10.0
kBtu/h		5	7	9	12	14	15	17	18	19	22	24	27	30	38	48	54	76	96
4-Way Cassette Type				•	•		•			•	•	•	•	•	•	•	•		
Mini 4-Way Cassette Type		•	•	•	•		•	•		•									
1-Way Cassette Type			•	•	•	•			•			•							
2-Way Cassette Type			•	•	•	•			•			•	•	•	•	•	•		
Console Type		•	•	•	•		•	•											
Ceiling Ducted Type (AC Low-height)		•	•	•	•		•	•		•	•	•							
Ceiling Ducted Type (DC Low-height)		•	•	•	•		•	•		•	•	•							
Ceiling Ducted Type (DC High Static Pressure)			•	•	•		•			•		•		•	•	•	•	•	•
Ceiling Ducted Type (High Static Pressure)			•	•	•		•			•	•	•	•	•	•	•	•	•	•
Ceiling Ducted Type (Low Static Pressure)			•	•	•		•			•	•	•	•	•	•	•	•	•	•
Wall Mounted Type		•	•	•	•		•	•				•	•						
Ceiling & Floor Type									•	•		•	•	•	•	•	•		
Floor Concealed Type			•		•				•			•							

Note: More specific capacity information, please see the introduction of each indoor unit.

RELIABILITY

EFFICIENCY

COMFORT

FLEXIBILITY

OUTDOOR UNIT

INDOOR UNIT

CONTROL SYSTEM

ACCESSORY

# Indoor Unit Feature Overview

Type	Accessories								
	Drain Pump (built-in)	3D Airflow Panel	Filter	Humidity Sensor	AirPure Kit	Motion Sensor	Hi-Motion	Outlet Air Temp Sensor	Float Switch
4-Way Cassette Type	●	×	●	○	○	○	○	●	●
Mini 4-Way Cassette Type	●	×	●	○	○	○	○	×	●
1-Way Cassette Type	●	×	●	×	×	×	○	●	●
2-Way Cassette Type	●	×	●	×	×	×	○	●	●
Console Type	×	×	●	○	×	×	○	×	×
Ceiling Ducted Type (AC Low-height)	●	○	●	○	○	×	○	×	●
Ceiling Ducted Type (DC Low-height)	●	○	●	○	○	×	○	×	●
Ceiling Ducted Type(DC High Static Pressure) AVD-07-AVD-54	○	×	●	○	○	×	○	●	●
Ceiling Ducted Type(DC High Static Pressure) AVD-76 & AVD-96	○	×	○	○	○	×	○	●	●
Ceiling Ducted Type (High Static Pressure) AVD-07-AVD-54	○	×	●	○	○	×	○	×	●
Ceiling Ducted Type (High Static Pressure) AVD-76 & AVD-96	×	×	○	×	×	×	○	●	●
Ceiling Ducted Type (Low Static Pressure) AVD-07-AVD-54	○	×	●	○	○	×	○	×	●
Ceiling Ducted Type (Low Static Pressure) AVD-76 & AVD-96	×	×	○	×	×	×	○	●	●
Wall Mounted Type	×	×	●	○	×	×	○	●	×
Ceiling & Floor Type	×	×	●	×	×	×	○	●	×
Floor Concealed Type	×	×	×	×	×	×	○	●	×

Type	Features										
	Dry Contact Input	Windows Linkage	Dry Contact Output	Fresh Air Intake	Sleep	Quiet	ECO	Individual Louver Control	Breeze Mode	Self Cleaning	Auto Fan Speed
4-Way Cassette Type	●	×	●	●	●	●	●	●	●	×	×
Mini 4-Way Cassette Type	●	×	●	●	●	●	●	●	●	×	×
1-Way Cassette Type	●	×	●	●	●	●	●	×	×	×	●
2-Way Cassette Type	●	×	●	●	●	×	×	●	×	×	●
Console Type	●	×	●	●	●	●	●	×	×	×	×
Ceiling Ducted Type (AC Low-height)	●	●	●	●	●	●	●	×	×	×	×
Ceiling Ducted Type (DC Low-height)	●	●	●	●	●	●	●	×	×	×	×
Ceiling Ducted Type (DC High Static Pressure) AVD-07-AVD-54	●	●	●	●	●	●	●	×	×	●	●
Ceiling Ducted Type (DC High Static Pressure) AVD-76 & AVD-96	●	●	●	×	●	●	●	×	×	×	●
Ceiling Ducted Type (High Static Pressure) AVD-07-AVD-54	●	●	●	●	×	×	●	×	×	×	×
Ceiling Ducted Type (High Static Pressure) AVD-76 & AVD-96	●	×	●	×	●	×	●	×	×	×	×
Ceiling Ducted Type (Low Static Pressure) AVD-07-AVD-54	●	●	●	●	×	×	●	×	×	×	×
Ceiling Ducted Type (Low Static Pressure) AVD-76 & AVD-96	●	×	●	×	●	×	●	×	×	×	×
Wall Mounted Type	●	●	●	×	●	●	●	×	×	●	●
Ceiling & Floor Type	●	×	●	×	×	×	×	×	×	×	×
Floor Concealed Type	●	×	●	×	●	●	●	×	×	×	●

Remarks: Standard: ● Optional: ○ Incompatible: ×

Remarks: Standard: ● Optional: ○ Incompatible: ×

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