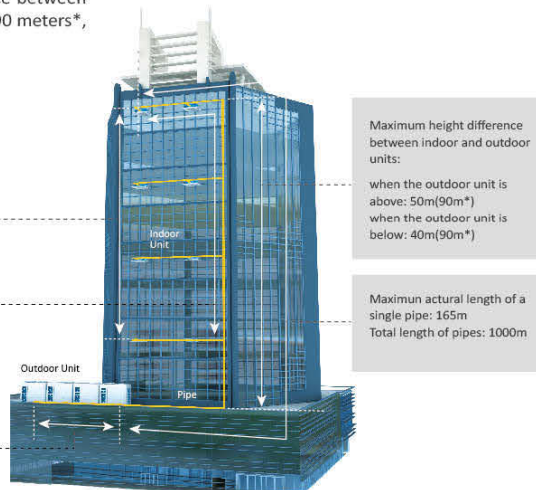


Hi-FLEXi S Series



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 S Series



HP		8HP	10HP	12HP	14HP	16HP	18HP
Model		AVWT-76HKSS	AVWT-96HKSS	AVWT-114HKSS	AVWT-136HKSS	AVWT-154HKSS	AVWT-170HKSS
Model	Modules	—	—	—	—	—	—
	Power Supply	AC 30,380-415V/50/60Hz					
Cooling	Capacity kW	22.4	28.0	33.5	40.0	45.0	50.0
	Capacity kBtu/h	76.4	95.5	114.3	136.5	153.5	170.6
	Power Input kW	5.21	7.00	8.65	10.53	12.50	15.63
	EER kW/kW	4.30	4.00	3.87	3.80	3.60	3.20
Heating	Capacity kW	25.0	31.5	37.5	45.0	50.0	56.0
	Capacity kBtu/h	85.3	107.5	128.0	153.5	170.6	191.1
	Power Input kW	5.77	7.59	9.21	11.72	13.70	16.97
	COP kW/kW	4.33	4.15	4.07	3.84	3.65	3.30
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 Compressor					
Compressor	Compressor Quantity	1	1	1	1	1	2
	Type	R410A					
Refrigerant	Pre-charged Quantity kg	7.4	8.6	9.5	12.0	12.0	13.2
	Net Weight kg	224	244	245	297	298	347
Weight	Gross Weight kg	243	263	265	321	322	371
	External (HxWxD) mm	1730x950x750	1730x950x750	1730x950x750	1730x1210x750	1730x1210x750	1730x1210x750
Dimensions	Packing (HxWxD) mm	1930x1015x790	1930x1015x790	1930x1015x790	1930x1275x790	1930x1275x790	1930x1275x790
	Cabinet Color	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas mm	Φ19.05	Φ22.20	Φ25.40	Φ25.40	Φ28.60	Φ28.60
	Liquid mm	3/4	7/8	1	1	1-1/8	1-1/8
	Quantity	3/8	3/8	1/2	1/2	1/2	5/8
Connectable Indoor Units	Total Capacity	13	16	19	23	26	29
	Height Difference Between ODU and IDU m(above)	50 (90**)	50 (90**)	50 (90**)	50 (90**)	50 (90**)	50 (90**)
Piping Design	Height Difference Between IDUs 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	-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	-25°C~16.5°C

Hi-FLEXi S Series



HP		20HP	22HP	24HP	26HP	28HP	
Model	Model	AVWT-190HKSS	AVWT-212HKSS	AVWT-232HKSS	AVWT-250HKSS	AVWT-272HKSS	
Model	Modules	—	—	—	—	—	
Power Supply		AC 3Ø, 380-415V/50/60Hz					
Cooling	Capacity	kW	56.0	61.5	68.0	72.5	80.0
		kBtu/h	191.1	209.8	232.1	246.5	272.0
	Power Input	kW	17.90	20.50	22.82	24.58	27.59
	EER	kW/kW	3.13	3.00	2.98	2.95	2.90
Heating	Capacity	kW	63.0	69.0	75.0	80.0	90.0
		kBtu/h	215.0	235.4	255.0	272.0	306.0
	Power Input	kW	19.87	22.48	24.59	26.67	30.41
	COP	kW/kW	3.17	3.07	3.05	3.00	2.96
Ventilation	Air Flow Rate	m³/min	267	296	296	350	350
	Fan Quantity		2	2	2	2	2
	Static Pressure	Pa	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	63	64	66	67	67
Compressor	Type	Enhanced Vapor Injection Scroll Compressor					
	Compressor Quantity	PC	2	2	2	2	2
Refrigerant	Type	R410A					
	Pre-charged Quantity	kg	14.3	15.5	15.5	17.3	17.3
Weight	Net Weight	kg	361	369	370	414	415
	Gross Weight	kg	395	396	397	446	447
Dimensions	External (HxWxD)	mm	1730x1350x750	1730x1350x750	1730x1350x750	1730x1600x750	1730x1600x750
	Packing (HxWxD)	mm	1930x1420x790	1930x1420x790	1930x1420x790	1930x1665x790	1930x1665x790
Cabinet Color		Ivory White					
Ref. Piping	Gas	mm	Ø28.60	Ø28.60	Ø31.75	Ø31.75	Ø31.75
		inch	1-1/8	1-1/8	1-1/8	1-1/4	1-1/4
	Liquid	mm	Ø15.88	Ø15.88	Ø15.88	Ø19.05	Ø19.05
		inch	5/8	5/8	5/8	3/4	3/4
Connectable Indoor Units	Quantity	PC	33	36	40	43	47
	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	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	-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 Series



HP		30HP	32HP	34HP	36HP	38HP	
Model	Model	AVWT-290HKSS	AVWT-308HKSS	AVWT-324HKSS	AVWT-344HKSS	AVWT-360HKSS	
Model	Modules	AVWT-154HKSS AVWT-136HKSS	AVWT-154HKSS AVWT-154HKSS	AVWT-170HKSS AVWT-154HKSS	AVWT-190HKSS AVWT-154HKSS	AVWT-190HKSS AVWT-170HKSS	
Power Supply		AC 3Ø, 380-415V/50/60Hz					
Cooling	Capacity	kW	85.0	90.0	95.0	101.0	106.0
		kBtu/h	290.0	307.0	324.1	344.6	361.7
	Power Input	kW	23.03	25.00	28.13	30.40	33.53
	EER	kW/kW	3.69	3.60	3.38	3.32	3.16
Heating	Capacity	kW	95.0	100.0	106.0	113.0	119.0
		kBtu/h	324.1	341.2	361.7	385.6	406.1
	Power Input	kW	25.42	27.40	30.67	33.57	36.84
	COP	kW/kW	3.74	3.65	3.46	3.37	3.23
Ventilation	Air Flow Rate	m³/min	400	400	400	467	467
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	67	67	67	67	67
Compressor	Type	Enhanced Vapor Injection Scroll Compressor					
	Compressor Quantity	PC	2	2	3	3	4
Refrigerant	Type	R410A					
	Pre-charged Quantity	kg	24.0	24.0	25.20	26.30	27.5
Weight	Net Weight	kg	595	596	645	659	708
	Gross Weight	kg	643	644	693	717	766
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					
Ref. Piping	Gas	mm	Ø31.75	Ø31.75	Ø38.1	Ø38.1	Ø38.1
		inch	1-1/4	1-1/4	1-1/2	1-1/2	1-1/2
	Liquid	mm	Ø19.05	Ø19.05	Ø19.05	Ø19.05	Ø19.05
		inch	3/4	3/4	3/4	3/4	3/4
Connectable Indoor Units	Quantity	PC	49	52	55	59	62
	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	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	-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 Series



HP		40HP	42HP	44HP	46HP	48HP
Model	Model	AVWT-380HKSS	AVWT-402HKSS	AVWT-422HKSS	AVWT-444HKSS	AVWT-464HKSS
Model	Modules	AVWT-190HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-170HKSS	AVWT-232HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-212HKSS	AVWT-232HKSS AVWT-232HKSS
	Power Supply	AC 3Φ,380-415V/50/60Hz				
Cooling	Capacity	112.0	118.0	124.0	129.5	136.0
		kW				
	kBtu/h	382.1	402.7	432.2	441.9	464.2
	Power Input	35.80	38.45	40.72	43.32	45.64
Heating	EER	3.13	3.07	3.05	2.99	2.98
		kW/kW				
	Capacity	126.0	131.0	138.0	144.0	150.0
		kW				
Ventilation	kBtu/h	430.0	446.1	470.0	490.4	510.0
	Power Input	39.74	41.56	44.46	47.07	49.18
		kW				
	COP	3.17	3.15	3.10	3.06	3.05
Sound	Air Flow Rate	534	496	563	592	592
		m³/min				
	Fan Quantity	4	4	4	4	4
Compressor	Static Pressure	110	110	110	110	110
		Pa				
Refrigerant	Sound Pressure Level	67	67	68	68	69
		dB(A)				
Weight	Type	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	4	4	4	4	4
Dimensions	Type	R410A				
	Pre-charged Quantity	28.6	28.7	29.8	31.0	31.0
Cabinet Color	Net Weight	722	717	731	739	740
		kg				
Ref. Piping	Gross Weight	790	768	792	793	794
		kg				
Connectable Indoor Units	External (HxWxD)	1730x (1350+1350)	1730x (1210+1350)	1730x (1350+1350)	1730x (1350+1350)	1730x (1350+1350)
		mm				
Piping Design	Packing(HxWxD)	1930x (1420+1420)	1930x (1275+1420)	1930x (1420+1420)	1930x (1420+1420)	1930x (1420+1420)
		mm				
Operation Range	Cabinet Color	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
	Gas	Φ38.1	Φ38.1	Φ41.3	Φ41.3	Φ41.3
Piping Design	Liquid	1-1/2	1-1/2	1-1/2	1-5/8	1-5/8
		inch				
Connectable Indoor Units	Quantity	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	50 (90**)	50 (90**)	50 (90**)	50 (90**)	50 (90**)
		m(above)				
Operation Range	Height Difference Between IDUs	40 (90**)	40 (90**)	40 (90**)	40 (90**)	40 (90**)
		m(below)				
Connectable Indoor Units	Max. Piping Length	15 (30**)	15 (30**)	15 (30**)	15 (30**)	15 (30**)
		m				
Piping Design	Cooling	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
		DB				
Operation Range	Heating	-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
		WB				

Hi-FLEXi S Series



HP		50HP	52HP	54HP	56HP
Model	Model	AVWT-482HKSS	AVWT-504HKSS	AVWT-522HKSS	AVWT-544HKSS
Model	Modules	AVWT-250HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-250HKSS	AVWT-272HKSS AVWT-272HKSS
	Power Supply	AC 3Φ,380-415V/50/60Hz			
Cooling	Capacity	140.5	148.0	152.5	160.0
		kW			
	kBtu/h	478.6	504.1	518.5	544.0
	Power Input	47.40	50.41	52.17	55.18
Heating	EER	2.96	2.94	2.92	2.90
		kW/kW			
	Capacity	155.0	165.0	170.0	180.0
		kW			
Ventilation	kBtu/h	527.0	561.0	578.0	612.0
	Power Input	51.26	55.00	57.08	60.82
		kW			
	COP	3.02	3.00	2.98	2.96
Sound	Air Flow Rate	646	646	700	700
		m³/min			
	Fan Quantity	4	4	4	4
Compressor	Static Pressure	110	110	110	110
		Pa			
Refrigerant	Sound Pressure Level	70	70	70	70
		dB(A)			
Weight	Type	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	4	4	4	4
Dimensions	Type	R410A			
	Pre-charged Quantity	32.8	32.8	34.6	34.6
Cabinet Color	Net Weight	784	785	829	830
		kg			
Ref. Piping	Gross Weight	843	844	893	894
		kg			
Connectable Indoor Units	External (HxWxD)	1730x (1350+1600)	1730x (1350+1600)	1730x (1600+1600)	1730x (1600+1600)
		mm			
Piping Design	Packing(HxWxD)	1930x (1420+1665)	1930x (1420+1665)	1930x (1665+1665)	1930x (1665+1665)
		mm			
Operation Range	Cabinet Color	Ivory White	Ivory White	Ivory White	Ivory White
	Gas	Φ41.3	Φ41.3	Φ41.3	Φ41.3
Piping Design	Liquid	1-5/8	1-5/8	1-5/8	1-5/8
		inch			
Connectable Indoor Units	Quantity	64	64	64	64
	Total Capacity	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	50 (90**)	50 (90**)	50 (90**)	50 (90**)
		m(above)			
Operation Range	Height Difference Between IDUs	40 (90**)	40 (90**)	40 (90**)	40 (90**)
		m(below)			
Connectable Indoor Units	Max. Piping Length	15 (30**)	15 (30**)	15 (30**)	15 (30**)
		m			
Piping Design	Cooling	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
		DB			
Operation Range	Heating	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C
		WB			

Hi-FLEXi S Series



HP		58HP	60HP	62HP	64HP
Model	Model	AVWT-552HKSS	AVWT-570HKSS	AVWT-592HKSS	AVWT-612HKSS
	Modules	AVWT-212HKSS AVWT-170HKSS AVWT-170HKSS	AVWT-190HKSS AVWT-190HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-190HKSS AVWT-170HKSS	AVWT-232HKSS AVWT-190HKSS AVWT-190HKSS
	Power Supply	AC 3Φ,380-415V/50/60Hz			
Cooling	Capacity	kW 161.5	168.0	174.0	180.0
	kBtu/h	551.0	573.3	593.7	614.3
	Power Input	kW 51.76	53.70	56.35	58.62
	EER	kW/kW 3.12	3.13	3.09	3.07
Heating	Capacity	kW 181.0	189.0	194.0	201.0
	kBtu/h	617.6	645.0	661.1	685.0
	Power Input	kW 56.42	59.61	61.43	64.33
	COP	kW/kW 3.21	3.17	3.16	3.12
Ventilation	Air Flow Rate	m ³ /min 696	801	763	859
	Fan Quantity	6	6	6	6
	Static Pressure	Pa 110	110	110	110
Sound	Sound Pressure Level	dB(A) 70	70	70	70
	Compressor Type	Enhanced Vapor Injection Scroll Compressor			
Refrigerant	Compressor Quantity	PC 6	6	6	6
	Type	R410A			
Weight	Pre-charged Quantity	kg 41.9	42.9	43.0	44.1
	Net Weight	kg 1063	1083	1078	1092
	Gross Weight	kg 1138	1185	1163	1187
Dimensions	External (HxWxD)	mm 1730x (1210+1210+1350)	1730x (1350+1350+1350)	1730x (1210+1350+1350)	1730x (1350+1350+1350)
	Packing(HxWxD)	mm 1930x (1275+1275+1420)	1930x (1420+1420+1420)	1930x (1275+1420+1420)	1930x (1420+1420+1420)
	Cabinet Color	Ivory White			
	Ref. Piping	Gas	mm 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	PC 64	64	64	64
	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 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 -25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

Hi-FLEXi S Series



HP		66HP	68HP	70HP	72HP
Model	Model	AVWT-634HKSS	AVWT-654HKSS	AVWT-676HKSS	AVWT-696HKSS
	Modules	AVWT-232HKSS AVWT-212HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-212HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS
	Power Supply	AC 3Φ,380-415V/50/60Hz			
Cooling	Capacity	kW 185.5	192.0	197.5	204.0
	kBtu/h	633.0	655.3	674.0	696.3
	Power Input	kW 61.22	63.54	66.14	68.46
	EER	kW/kW 3.03	3.02	2.99	2.98
Heating	Capacity	kW 207.0	213.0	219.0	225.0
	kBtu/h	705.4	725.0	745.4	765.0
	Power Input	kW 66.94	69.05	71.66	73.77
	COP	kW/kW 3.09	3.08	3.06	3.05
Ventilation	Air Flow Rate	m ³ /min 859	859	888	888
	Fan Quantity	6	6	6	6
	Static Pressure	Pa 110	110	110	110
Sound	Sound Pressure Level	dB(A) 70	70	70	71
	Compressor Type	Enhanced Vapor Injection Scroll Compressor			
Refrigerant	Compressor Quantity	PC 6	6	6	6
	Type	R410A			
Weight	Pre-charged Quantity	kg 45.3	45.3	46.5	46.5
	Net Weight	kg 1100	1101	1109	1110
	Gross Weight	kg 1188	1189	1190	1191
Dimensions	External (HxWxD)	mm 1730x (1350+1350+1350)	1730x (1350+1350+1350)	1730x (1350+1350+1350)	1730x (1350+1350+1350)
	Packing(HxWxD)	mm 1930x (1420+1420+1420)	1930x (1420+1420+1420)	1930x (1420+1420+1420)	1930x (1420+1420+1420)
	Cabinet Color	Ivory White			
	Ref. Piping	Gas	mm Φ44.5	Φ50.8	Φ50.8
inch		1-3/4	2	2	2
Liquid		mm Φ22.2	Φ25.4	Φ25.4	Φ25.4
inch		7/8	1	1	1
Connectable Indoor Units	Quantity	PC 64	64	64	64
	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 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 -25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

Hi-FLEXi S Series



HP		74HP	76HP	78HP	80HP
Model	Model	AVWT-714HKSS	AVWT-732HKSS	AVWT-754HKSS	AVWT-776HKSS
Model	Modules	AVWT-250HKSS AVWT-232HKSS AVWT-232HKSS	AVWT-250HKSS AVWT-250HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-250HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-232HKSS
	Power Supply	AC 3Φ,380-415V/50/60Hz			
Cooling	Capacity	kW 208.5	213.0	220.5	228.0
		kBtu/h 710.7	725.1	750.6	776.1
	Power Input	kW 70.22	71.98	74.99	78.00
	EER	kW/kW 2.97	2.96	2.95	2.92
Heating	Capacity	kW 230.0	235.0	245.0	255.0
		kBtu/h 782.0	799.0	833.0	867.0
	Power Input	kW 75.85	77.93	81.67	85.41
Ventilation	COP	kW/kW 3.03	3.02	3.00	2.98
	Air Flow Rate	m ³ /min 942	996	996	996
	Fan Quantity	6	6	6	6
	Static Pressure	Pa 110	110	110	110
Sound	Sound Pressure Level	dB(A) 71	71	71	71
Compressor	Type	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	PC 6	6	6	6
Refrigerant	Type	R410A			
	Pre-charged Quantity	kg 48.3	50.1	50.1	50.1
Weight	Net Weight	kg 1154	1198	1199	1200
	Gross Weight	kg 1240	1289	1290	1291
		1730x 1730x	1730x 1730x	1730x 1730x	1730x 1730x
Dimensions	External (HxWxD)	mm (1350+1350+1600) x750 1930x	(1350+1600+1600) x750 1930x	(1350+1600+1600) x750 1930x	(1350+1600+1600) x750 1930x
	Packing(HxWxD)	mm (1420+1420+1665) x790 1930x	(1420+1665+1665) x790 1930x	(1420+1665+1665) x790 1930x	(1420+1665+1665) x790 1930x
	Cabinet Color	Ivory White	Ivory White	Ivory White	Ivory White
	Ref. Piping	Gas mm inch	Φ50.8 2	Φ50.8 2	Φ50.8 2
Connectable Indoor Units	Liquid mm inch	Φ25.4 1	Φ25.4 1	Φ25.4 1	Φ25.4 1
	Quantity	PC 64	64	64	64
Piping Design	Total Capacity	- 50%-150%	50%-150%	50%-150%	50%-150%
	Height Difference Between ODU and IDU	m(above) m(below)	50 (90**) 40 (90**)	50 (90**) 40 (90**)	50 (90**) 40 (90**)
	Height Difference Between IDUs	m	15 (30**)	15 (30**)	15 (30**)
	Max. Piping Length	m	165	165	165
	Operation Range	Cooling Heating	DB WB	-5°C~52°C -25°C~16.5°C	-5°C~52°C -25°C~16.5°C

Hi-FLEXi S Series



HP		82HP	84HP	86HP	88HP
Model	Model	AVWT-794HKSS	AVWT-816HKSS	AVWT-824HKSS	AVWT-844HKSS
Model	Modules	AVWT-272HKSS AVWT-272HKSS AVWT-250HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-272HKSS	AVWT-212HKSS AVWT-190HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-190HKSS
	Power Supply	AC 3Φ,380-415V/50/60Hz			
Cooling	Capacity	kW 232.5	240.0	241.5	248.0
		kBtu/h 790.5	816.0	824.1	846.4
	Power Input	kW 79.76	82.77	79.12	81.44
	EER	kW/kW 2.91	2.90	3.05	3.05
Heating	Capacity	kW 260.0	270.0	270.0	276.0
		kBtu/h 884.0	918.0	920.4	940.0
	Power Input	kW 87.49	91.23	86.81	88.92
Ventilation	COP	kW/kW 2.97	2.96	3.11	3.10
	Air Flow Rate	m ³ /min 1050	1050	1126	1126
	Fan Quantity	6	6	8	8
	Static Pressure	Pa 110	110	110	110
Sound	Sound Pressure Level	dB(A) 72	72	72	72
Compressor	Type	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	PC 6	6	8	8
Refrigerant	Type	R410A			
	Pre-charged Quantity	kg 51.9	51.9	59.6	59.6
Weight	Net Weight	kg 1244	1245	1461	1462
	Gross Weight	kg 1340	1341	1583	1584
		1730x 1730x	1730x 1730x	1730x 1730x	1730x 1730x
Dimensions	External (HxWxD)	mm (1600+1600+1600) x750 1930x	(1600+1600+1600) x750 1930x	(1350+1350+1350+1350) x750 1930x	(1350+1350+1350+1350) x750 1930x
	Packing(HxWxD)	mm (1665+1665+1665) x790 1930x	(1665+1665+1665) x790 1930x	(1420+1420+1420+1420) x790 1930x	(1420+1420+1420+1420) x790 1930x
	Cabinet Color	Ivory White	Ivory White	Ivory White	Ivory White
	Ref. Piping	Gas mm inch	Φ50.8 2	Φ50.8 2	Φ50.8 2
Connectable Indoor Units	Liquid mm inch	Φ25.4 1	Φ25.4 1	Φ25.4 1	Φ25.4 1
	Quantity	PC 64	64	64	64
Piping Design	Total Capacity	- 50%-150%	50%-150%	50%-150%	50%-150%
	Height Difference Between ODU and IDU	m(above) m(below)	50 (90**) 40 (90**)	50 (90**) 40 (90**)	50 (90**) 40 (90**)
	Height Difference Between IDUs	m	15 (30**)	15 (30**)	15 (30**)
	Max. Piping Length	m	165	165	165
	Operation Range	Cooling Heating	DB WB	-5°C~52°C -25°C~16.5°C	-5°C~52°C -25°C~16.5°C

Hi-FLEXi S Series



HP		90HP	92HP	94HP	96HP
Model	Model	AVWT-866HKSS AVWT-232HKSS	AVWT-886HKSS AVWT-232HKSS	AVWT-908HKSS AVWT-232HKSS	AVWT-928HKSS AVWT-232HKSS
	Modules	AVWT-232HKSS AVWT-212HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-212HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS
Power Supply		AC 3Ø, 380-415V/50/60Hz			
Cooling	Capacity	kW 253.5	260.0	265.5	272.0
	kBtu/h	865.1	887.4	906.1	928.4
	Power Input	kW 84.04	86.36	88.96	91.28
	EER	kW/kW 3.02	3.01	2.98	2.98
Heating	Capacity	kW 282.0	288.0	294.0	300.0
	kBtu/h	960.4	980.0	1000.4	1020.0
	Power Input	kW 91.53	93.64	96.25	98.36
	COP	kW/kW 3.08	3.08	3.05	3.05
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	PC 8	8	8	8
	Type	R410A			
Refrigerant	Pre-charged Quantity	kg 60.8	60.8	62.0	62.0
	Net Weight	kg 1470	1471	1479	1480
	Gross Weight	kg 1585	1586	1587	1588
Dimensions	External (HxWxD)	mm 1730x (1350+1350+1350)	1730x (1350+1350+1350)	1730x (1350+1350+1350)	1730x (1350+1350+1350)
	Packing(HxWxD)	mm 1930x (1420+1420+1420)	1930x (1420+1420+1420)	1930x (1420+1420+1420)	1930x (1420+1420+1420)
	Cabinet Color	Ivory White	Ivory White	Ivory White	Ivory White
	Ref. Piping	Gas	mm Ø50.8	Ø50.8	Ø50.8
Liquid		mm Ø25.4	Ø25.4	Ø25.4	Ø25.4
Quantity		inch 1	1	1	1
Connectable Indoor Units	Quantity	PC 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**)
	Height Difference Between IDUs	m(below) 40 (90**)	40 (90**)	40 (90**)	40 (90**)
	Max. Piping Length	m 15 (30**)	15 (30**)	15 (30**)	15 (30**)
	Operation Range	Max. Piping Length m 165	165	165	165
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

Hi-FLEXi S Series



HP		98HP	100HP	102HP	104HP
Model	Model	AVWT-946HKSS AVWT-232HKSS	AVWT-968HKSS AVWT-232HKSS	AVWT-988HKSS AVWT-272HKSS	AVWT-1008HKSS AVWT-272HKSS
	Modules	AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-232HKSS AVWT-212HKSS	AVWT-272HKSS AVWT-232HKSS AVWT-232HKSS
Power Supply		AC 3Ø, 380-415V/50/60Hz			
Cooling	Capacity	kW 276.5	284.0	289.5	296.0
	kBtu/h	942.8	968.3	985.9	1008.0
	Power Input	kW 93.04	96.05	98.50	100.82
	EER	kW/kW 2.97	2.96	2.94	2.94
Heating	Capacity	kW 305.0	315.0	324.0	330.0
	kBtu/h	1037.0	1071.0	1102.4	1122.0
	Power Input	kW 100.44	104.18	107.89	110.00
	COP	kW/kW 3.04	3.02	3.00	3.00
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	PC 8	8	8	8
	Type	R410A			
Refrigerant	Pre-charged Quantity	kg 63.8	63.8	65.6	65.6
	Net Weight	kg 1524	1525	1569	1570
	Gross Weight	kg 1637	1638	1687	1688
Dimensions	External (HxWxD)	mm 1730x (1350+1350+1350+1600)	1730x (1350+1350+1350+1600)	1730x (1350+1350+1600+1600)	1730x (1350+1350+1600+1600)
	Packing(HxWxD)	mm 1930x (1420+1420+1420+1665)	1930x (1420+1420+1420+1665)	1930x (1420+1420+1665+1665)	1930x (1420+1420+1665+1665)
	Cabinet Color	Ivory White	Ivory White	Ivory White	Ivory White
	Ref. Piping	Gas	mm Ø50.8	Ø50.8	Ø50.8
Liquid		mm Ø25.4	Ø25.4	Ø25.4	Ø25.4
Quantity		inch 1	1	1	1
Connectable Indoor Units	Quantity	PC 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**)
	Height Difference Between IDUs	m(below) 40 (90**)	40 (90**)	40 (90**)	40 (90**)
	Max. Piping Length	m 15 (30**)	15 (30**)	15 (30**)	15 (30**)
	Operation Range	Max. Piping Length m 165	165	165	165
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

Hi-FLEXi S Series



HP		106HP	108HP	110HP	112HP
Model	Model	AVWT-1026HKSS	AVWT-1048HKSS	AVWT-1066HKSS	AVWT-1088HKSS
	Modules	AVWT-272HKSS AVWT-272HKSS AVWT-250HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-272HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-272HKSS AVWT-250HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-272HKSS AVWT-272HKSS
Power Supply		AC 3Φ,380-415V/50/60Hz			
Cooling	Capacity	300.5	308.0	312.5	320.0
	Capacity	1022.6	1048.1	1062.5	1088.0
	Power Input	102.58	105.59	107.35	110.36
	EER	2.93	2.92	2.91	2.90
Heating	Capacity	335.0	345.0	350.0	360.0
	Capacity	1139.0	1173.0	1190.0	1224.0
	Power Input	112.08	115.82	117.9	121.64
COP		2.99	2.98	2.97	2.96
Ventilation	Air Flow Rate	1346	1346	1400	1400
	Fan Quantity	8	8	8	8
	Static Pressure	110	110	110	110
	Sound Pressure Level	73	73	73	73
Compressor	Type	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	8	8	8	8
Refrigerant	Type	R410A			
	Pre-charged Quantity	67.4	67.4	69.2	69.2
Weight	Net Weight	1614	1615	1659	1660
	Gross Weight	1737	1738	1787	1788
	External (HxWxD)	1730x x750 1930x	(1350+1600+1600+1600) x750 1930x	(1600+1600+1600+1600) x750 1930x	(1600+1600+1600+1600) x750 1930x
Dimensions	Packing(HxWxD)	(1420+1665+1665+1665) x790	(1420+1665+1665+1665) x790	(1665+1665+1665+1665) x790	(1665+1665+1665+1665) x790
	Cabinet Color	Ivory White			
Ref. Piping	Gas	mm Φ50.8	mm Φ50.8	mm Φ50.8	mm Φ50.8
	Liquid	inch 2	inch 2	inch 2	inch 2
	Quantity	mm Φ25.4	mm Φ25.4	mm Φ25.4	mm Φ25.4
Connectable Indoor Units	inch 1	inch 1	inch 1	inch 1	
	PC	64	64	64	64
Piping Design	Total Capacity	50%-150%	50%-150%	50%-150%	50%-150%
	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	m 15 (30**)	m 15 (30**)	m 15 (30**)	m 15 (30**)
Operation Range	Cooling	DB -5°C~52°C	DB -5°C~52°C	DB -5°C~52°C	DB -5°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:

- 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
- 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 height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.