

Hi-FLEXi S5 Series



HP		8HP	10HP	12HP	14HP	16HP		
Model		AVWT-76HKF5	AVWT-96HKF5	AVWT-114HKF5	AVWT-136HKF5	AVWT-154HKF5		
		AVWT-76HKF5	AVWT-96HKF5	AVWT-114HKF5	AVWT-136HKF5	AVWT-154HKF5		
Modules		/	/	/	/	/		
		/	/	/	/	/		
		/	/	/	/	/		
Power Supply		380-415V 3~ 50Hz/60Hz						
Cooling	Capacity*1	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	4.70	6.54	7.96	9.64	11.19	
	EER	kW/kW	4.77	4.28	4.21	4.15	4.02	
Heating	Capacity*1	kW	25.0	31.5	37.5	45.0	50.0	
		kBtu/h	85.3	107.4	127.9	153.5	170.6	
	Power Input	kW	5.09	6.70	8.50	10.32	11.68	
	COP	kW/kW	4.91	4.70	4.41	4.36	4.28	
Ventilation	Air Flow Rate	m³/min	177	177	183	225	275	
	Fan Quantity	pcs	1	1	1	1	1	
	External Static Pressure	Pa	110	110	110	110	110	
Sound	Sound Pressure Level*2	dB(A)	56	57	59	59	60	
Compressor	Type	Enhanced Vapor Injection Scroll Compressor						
	Quantity	pcs	1	1	1	1	1	
Refrigerant	Type	R410A						
	Pre-charged Amount	kg	6.2	6.2	6.2	7.3	7.6	
Weight	Net	kg	211	211	211	222	245	
	Gross	kg	233	233	233	249	269	
Dimensions	External (H × W × D)	mm	1800 × 800 × 825			1800 × 940 × 825		
	Packing(H × W × D)	mm	1960 × 860 × 885			1960 × 1000 × 885		
Cabinet Color		Gray + White						
Ref. Piping	Gas	mm	φ19.05	φ22.20	φ25.40	φ25.40	φ28.60	
		inch	3/4	7/8	1	1	1-1/8	
	Liquid	mm	φ9.53	φ9.53	φ12.70	φ12.70	φ12.70	
		inch	3/8	3/8	1/2	1/2	1/2	
Connectable Indoor Units	Quantity	pcs	18	20	24	28	32	
	Connection Ratio*3	-	30%~200%	30%~200%	30%~200%	30%~200%	30%~200%	
Piping Design	Height Difference Between ODU and IDU	m	110	110	110	110	110	
		m	40	40	40	40	40	
	Max. Piping Length	Actual	m	220	220	220	220	220
		Equivalent	m	260	260	260	260	260
Operation Range	Cooling	DB	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	
	Heating	WB	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°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.
Measurement point: 1m from the service cover surface and 1.5m from the floor level.
 - When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series



HP		18HP	20HP	22HP	24HP	26HP		
Model		AVWT-170HKF5	AVWT-190HKF5	AVWT-212HKF5	AVWT-232HKF5	AVWT-250HKF5		
		AVWT-170HKF5	AVWT-190HKF5	AVWT-212HKF5	AVWT-232HKF5	AVWT-250HKF5		
Modules		/	/	/	/	/		
		/	/	/	/	/		
		/	/	/	/	/		
Power Supply		380-415V 3~ 50Hz/60Hz						
Cooling	Capacity*1	kW	50.4	56.0	61.5	68.0	73.5	
		kBtu/h	171.9	191.0	209.8	232.0	250.7	
	Power Input	kW	12.79	14.70	17.28	18.53	20.76	
	EER	kW/kW	3.94	3.81	3.56	3.67	3.54	
Heating	Capacity*1	kW	56.5	63.0	69.0	75.0	82.5	
		kBtu/h	192.7	214.9	235.4	255.9	281.4	
	Power Input	kW	13.45	15.25	16.90	18.16	20.89	
	COP	kW/kW	4.20	4.13	4.08	4.13	3.95	
Ventilation	Air Flow Rate	m³/min	292	258	317	317	317	
	Fan Quantity	pcs	1	1	2	2	2	
	External Static Pressure	Pa	110	110	110	110	110	
Sound	Sound Pressure Level*2	dB(A)	61	62	62	62	62	
Compressor	Type	Enhanced Vapor Injection Scroll Compressor						
	Quantity	pcs	1	1	1	2	2	
Refrigerant	Type	R410A						
	Pre-charged Amount	kg	7.6	9.4	9.7	13.1	13.1	
Weight	Net	kg	245	267	304	368	368	
	Gross	kg	269	289	320	399	399	
Dimensions	External (H × W × D)	mm	1800 × 940 × 825		1800 × 1390 × 825			
	Packing(H × W × D)	mm	1960 × 1000 × 885		1960 × 1450 × 885			
Cabinet Color		Gray + White						
Ref. Piping	Gas	mm	φ28.60	φ28.60	φ28.60	φ28.60	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	36	40	44	48	52	
	Connection Ratio*3	-	30%~200%	30%~200%	30%~200%	30%~200%	30%~200%	
Piping Design	Height Difference Between ODU and IDU	m	110	110	110	110	110	
		m	40	40	40	40	40	
	Max. Piping Length	Actual	m	220	220	220	220	220
		Equivalent	m	260	260	260	260	260
Operation Range	Cooling	DB	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	
	Heating	WB	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°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.
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Hi-FLEXi S5 Series



HP		28HP	30HP	32HP	34HP		
Model		AVWT-272HKF5	AVWT-290HKF5	AVWT-307HKF5	AVWT-324HKF5		
		AVWT-272HKF5	AVWT-290HKF5	AVWT-307HKF5	AVWT-324HKF5		
Modules		/	/	/	/		
		/	/	/	/		
		/	/	/	/		
		/	/	/	/		
Power Supply		380-415V 3~ 50Hz/60Hz					
Cooling	Capacity*1	kW	78.5	85.0	90.0	95.4	
		kBtu/h	267.8	290.0	307.0	325.5	
	Power Input	kW	22.95	25.37	27.69	29.81	
	EER	kW/kW	3.42	3.35	3.25	3.20	
Heating	Capacity*1	kW	87.5	95.0	100.0	106.5	
		kBtu/h	298.5	324.1	341.2	363.3	
	Power Input	kW	22.85	25.61	27.78	30.08	
	COP	kW/kW	3.83	3.71	3.60	3.54	
Ventilation	Air Flow Rate	m³/min	400	400	408	408	
	Fan Quantity	pcs	2	2	2	2	
	External Static Pressure	Pa	110	110	110	110	
Sound	Sound Pressure Level*2	dB(A)	63	63	64	66	
	Type	-	Enhanced Vapor Injection Scroll Compressor				
Compressor	Quantity	pcs	2	2	2	2	
	Type	-	R410A				
Refrigerant	Pre-charged Amount	kg	11.5	11.5	16.1	16.1	
	Net	kg	406	406	482	482	
Weight	Gross	kg	430	430	519	519	
	External (H x W x D)	mm	1800 x 1600 x 825		1800 x 1880 x 825		
Dimensions	Packing(H x W x D)	mm	1960 x 1660 x 885		1960 x 1940 x 885		
	Cabinet Color	-	Gray + White				
Ref. Piping	Gas	mm	φ31.75	φ31.75	φ31.75	φ31.75	
		inch	1-1/4	1-1/4	1-1/4	1-1/4	
	Liquid	mm	φ19.05	φ19.05	φ19.05	φ19.05	
		inch	3/4	3/4	3/4	3/4	
Connectable Indoor Units	Quantity	pcs	56	60	64	68	
	Connection Ratio*3	-	30%-200%	30%-200%	30%-200%	30%-200%	
Piping Design	Height Difference Between ODU and IDU	m	110	110	110	110	
		m	40	40	40	40	
	Max. Piping Length	Actual	m	220	220	220	220
		Equivalent	m	260	260	260	260
Operation Range	Cooling	DB	-15°C-55°C	-15°C-55°C	-15°C-55°C	-15°C-55°C	
	Heating	WB	-30°C-30°C	-30°C-30°C	-30°C-30°C	-30°C-30°C	

Notes:
 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
 Cooling Conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.
 Heating Conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe Length: 7.5m, pipe height difference: 0m.
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Hi-FLEXi S5 Series



HP		36HP	38HP	40HP	42HP		
Model		AVWT-343HKF5	AVWT-365HKF5	AVWT-386HKF5	AVWT-404HKF5		
		AVWT-343HKF5	AVWT-365HKF5	AVWT-386HKF5	AVWT-404HKF5		
Modules		/	/	/	/		
		/	/	/	/		
		/	/	/	/		
		/	/	/	/		
Power Supply		380-415V 3~ 50Hz/60Hz					
Cooling	Capacity*1	kW	101.0	106.5	112.0	117.5	
		kBtu/h	344.6	363.3	382.1	400.9	
	Power Input	kW	31.86	34.24	36.72	39.17	
	EER	kW/kW	3.17	3.11	3.05	3.00	
Heating	Capacity*1	kW	113.0	119.5	125.5	132.0	
		kBtu/h	385.5	407.7	428.2	450.3	
	Power Input	kW	32.29	34.94	37.35	41.77	
	COP	kW/kW	3.50	3.42	3.36	3.16	
Ventilation	Air Flow Rate	m³/min	467	467	467	467	
	Fan Quantity	pcs	2	2	2	2	
	External Static Pressure	Pa	110	110	110	110	
Sound	Sound Pressure Level*2	dB(A)	66	67	67	67	
	Type	-	Enhanced Vapor Injection Scroll Compressor				
Compressor	Quantity	pcs	2	2	2	2	
	Type	-	R410A				
Refrigerant	Pre-charged Amount	kg	16.1	16.1	16.1	16.1	
	Net	kg	482	493	493	493	
Weight	Gross	kg	519	530	530	530	
	External (H x W x D)	mm	1800 x 1880 x 825				
Dimensions	Packing(H x W x D)	mm	1960 x 1940 x 885				
	Cabinet Color	-	Gray + White				
Ref. Piping	Gas	mm	φ38.1	φ38.1	φ38.1	φ38.1	
		inch	1-1/2	1-1/2	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	72	76	80	84	
	Connection Ratio*3	-	30%-200%	30%-200%	30%-200%	30%-200%	
Piping Design	Height Difference Between ODU and IDU	m	110	110	110	110	
		m	40	40	40	40	
	Max. Piping Length	Actual	m	220	220	220	220
		Equivalent	m	260	260	260	260
Operation Range	Cooling	DB	-15°C-55°C	-15°C-55°C	-15°C-55°C	-15°C-55°C	
	Heating	WB	-30°C-30°C	-30°C-30°C	-30°C-30°C	-30°C-30°C	

Notes:
 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
 Cooling Conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.
 Heating Conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe Length: 7.5m, pipe height difference: 0m.
 2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
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Hi-FLEXi S5 Series



HP		44HP	46HP	48HP	50HP	52HP		
Model		AVWT-420HKF5	AVWT-440HKF5	AVWT-462HKF5	AVWT-484HKF5	AVWT-502HKF5		
		AVWT-170HKF5	AVWT-190HKF5	AVWT-212HKF5	AVWT-272HKF5	AVWT-290HKF5		
	Modules	AVWT-250HKF5	AVWT-250HKF5	AVWT-250HKF5	AVWT-212HKF5	AVWT-212HKF5		
		/	/	/	/	/		
Power Supply		380-415V 3~ 50Hz/60Hz						
		/	/	/	/	/		
Cooling	Capacity*1							
		kW	123.9	129.5	135.0	140.0	146.5	
		kBtu/h	422.7	441.8	460.6	477.6	499.8	
	Power Input	kW	33.55	35.46	38.04	40.23	42.65	
EER	kW/kW	3.69	3.65	3.55	3.48	3.44		
Heating	Capacity*1							
		kW	139.0	145.5	151.5	156.5	164.0	
		kBtu/h	474.2	496.4	516.9	533.9	559.5	
	Power Input	kW	34.34	36.14	37.79	39.75	42.51	
COP	kW/kW	4.05	4.03	4.01	3.94	3.86		
Ventilation	Air Flow Rate	m³/min	609	575	634	717	717	
	Fan Quantity	pcs	3	3	4	4	4	
	External Static Pressure	Pa	110	110	110	110	110	
	Sound Pressure Level*2	dB(A)	65	65	65	66	66	
Compressor	Type	Enhanced Vapor Injection Scroll Compressor						
	Quantity	pcs	3	3	3	3	3	
Refrigerant	Type	R410A						
	Pre-charged Amount	kg	7.6+13.1	9.4+13.1	9.7+13.1	9.7+11.5	9.7+11.5	
Weight	Net	kg	245+368	267+368	304+368	304+406	304+406	
	Gross	kg	269+399	289+399	320+399	320+430	320+430	
Dimensions	External (H x W x D)	mm	1800 x (1390+940) x 825		1800 x (1390+1390) x 825	1800 x (1600+1390) x 825		
	Packing(H x W x D)	mm	1960 x (1450+1000) x 885		1960 x (1450+1450) x 885	1960 x (1660+1450) x 885		
Cabinet Color		Gray + White						
Ref. Piping	Gas	mm	φ38.1	φ38.1	φ41.3	φ41.3	φ41.3	
		inch	1-1/2	1-1/2	1-5/8	1-5/8	1-5/8	
	Liquid	mm	φ19.05	φ19.05	φ22.2	φ22.2	φ22.2	
		inch	3/4	3/4	7/8	7/8	7/8	
Connectable Indoor Units	Quantity	pcs	88	93	97	101	105	
	Connection Ratio*3	-	30%~150%	30%~150%	30%~150%	30%~150%	30%~150%	
Piping Design	Height Difference Between ODU and IDU	m	110	110	110	110	110	
		m	40	40	40	40	40	
	Max. Piping Length	Actual	m	220	220	220	220	220
		Equivalent	m	260	260	260	260	260
Operation Range	Cooling	DB	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	
	Heating	WB	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°C	

Notes:
 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
 Cooling Conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.
 Heating Conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe Length: 7.5m, pipe height difference: 0m.
 2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
 Measurement point: 1m from the service cover surface and 1.5m from the floor level.
 3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series



HP		54HP	56HP	58HP	60HP	62HP		
Model		AVWT-522HKF5	AVWT-540HKF5	AVWT-562HKF5	AVWT-580HKF5	AVWT-597HKF5		
		AVWT-272HKF5	AVWT-290HKF5	AVWT-290HKF5	AVWT-290HKF5	AVWT-307HKF5		
	Modules	AVWT-250HKF5	AVWT-250HKF5	AVWT-272HKF5	AVWT-290HKF5	AVWT-290HKF5		
		/	/	/	/	/		
Power Supply		380-415V 3~ 50Hz/60Hz						
		/	/	/	/	/		
Cooling	Capacity*1							
		kW	152.0	158.5	163.5	170.0	175.0	
		kBtu/h	518.6	540.8	557.8	580.0	597.1	
	Power Input	kW	43.72	46.14	48.33	50.75	53.07	
EER	kW/kW	3.48	3.44	3.38	3.35	3.30		
Heating	Capacity*1							
		kW	170.0	177.5	182.5	190.0	195.0	
		kBtu/h	580.0	605.6	622.6	648.2	665.3	
	Power Input	kW	43.73	46.49	48.45	51.21	53.38	
COP	kW/kW	3.89	3.82	3.77	3.71	3.65		
Ventilation	Air Flow Rate	m³/min	717	717	800	800	808	
	Fan Quantity	pcs	4	4	4	4	4	
	External Static Pressure	Pa	110	110	110	110	110	
	Sound Pressure Level*2	dB(A)	66	66	66	66	67	
Compressor	Type	Enhanced Vapor Injection Scroll Compressor						
	Quantity	pcs	4	4	4	4	4	
Refrigerant	Type	R410A						
	Pre-charged Amount	kg	13.1+11.5	13.1+11.5	11.5+11.5	11.5+11.5	16.1+11.5	
Weight	Net	kg	406+368	406+368	406+406	406+406	406+482	
	Gross	kg	430+399	430+399	430+430	430+430	430+519	
Dimensions	External (H x W x D)	mm	1800 x (1600+1390) x 825		1800 x (1600+1600) x 825	1800 x (1880+1600) x 825		
	Packing(H x W x D)	mm	1960 x (1660+1450) x 885		1960 x (1660+1660) x 885	1960 x (1940+1660) x 885		
Cabinet Color		Gray + White						
Ref. Piping	Gas	mm	φ41.3	φ41.3	φ44.5	φ44.5	φ44.5	
		inch	1-5/8	1-5/8	1-3/4	1-3/4	1-3/4	
	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	109	113	117	121	125	
	Connection Ratio*3	-	30%~150%	30%~150%	30%~150%	30%~150%	30%~150%	
Piping Design	Height Difference Between ODU and IDU	m	110	110	110	110	110	
		m	40	40	40	40	40	
	Max. Piping Length	Actual	m	220	220	220	220	220
		Equivalent	m	260	260	260	260	260
Operation Range	Cooling	DB	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	
	Heating	WB	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°C	

Notes:
 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
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HP		64HP	66HP	68HP	70HP	72HP		
Model		AVWT-614HKF5	AVWT-633HKF5	AVWT-655HKF5	AVWT-676HKF5	AVWT-686HKF5		
		AVWT-324HKF5	AVWT-343HKF5	AVWT-365HKF5	AVWT-386HKF5	AVWT-343HKF5		
Modules		AVWT-290HKF5	AVWT-290HKF5	AVWT-290HKF5	AVWT-290HKF5	AVWT-343HKF5		
		/	/	/	/	/		
		/	/	/	/	/		
Power Supply		380-415V 3~ 50Hz/60Hz						
Cooling	Capacity*1	kW	180.4	186.0	191.5	197.0	202.0	
		kBtu/h	615.5	634.6	653.3	672.1	689.2	
	Power Input	kW	55.19	57.23	59.62	62.09	63.72	
	EER	kW/kW	3.27	3.25	3.21	3.17	3.17	
Heating	Capacity*1	kW	201.5	208.0	214.5	220.5	226.0	
		kBtu/h	687.5	709.6	731.8	752.3	771.1	
	Power Input	kW	55.69	57.89	60.55	62.96	64.57	
	COP	kW/kW	3.62	3.59	3.54	3.50	3.50	
Ventilation	Air Flow Rate	m³/min	808	867	867	867	934	
	Fan Quantity	pcs	4	4	4	4	4	
	External Static Pressure	Pa	110	110	110	110	110	
Sound	Sound Pressure Level*2	dB(A)	68	68	68	68	69	
Compressor	Type	Enhanced Vapor Injection Scroll Compressor						
	Quantity	pcs	4	4	4	4	4	
Refrigerant	Type	R410A						
	Pre-charged Amount	kg	16.1+11.5	16.1+11.5	16.1+11.5	16.1+11.5	16.1+16.1	
Weight	Net	kg	406+482	406+482	406+493	406+493	482+482	
	Gross	kg	430+519	430+519	430+530	430+530	519+519	
Dimensions	External (H × W × D)	mm	1800 × (1880+1600) × 825				1800 × (1880+1880) × 825	
	Packing(H × W × D)	mm	1960 × (1940+1660) × 885				1960 × (1940+1940) × 885	
Cabinet Color		Gray + White						
Ref. Piping	Gas	mm	φ44.5	φ44.5	φ44.5	φ44.5	φ44.5	
		inch	1-3/4	1-3/4	1-3/4	1-3/4	1-3/4	
	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	128	128	128	128	128	
	Connection Ratio*3	-	30%~150%	30%~150%	30%~150%	30%~150%	30%~150%	
Piping Design	Height Difference Between ODU and IDU	m	110	110	110	110	110	
		m	40	40	40	40	40	
	Max. Piping Length	Actual	m	220	220	220	220	220
		Equivalent	m	260	260	260	260	260
Operation Range	Cooling	DB	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	
	Heating	WB	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°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.
Measurement point: 1m from the service cover surface and 1.5m from the floor level.
- When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series



HP		74HP	76HP	78HP	80HP		
Model		AVWT-708HKF5	AVWT-729HKF5	AVWT-747HKF5	AVWT-772HKF5		
		AVWT-365HKF5	AVWT-386HKF5	AVWT-404HKF5	AVWT-386HKF5		
Modules		AVWT-343HKF5	AVWT-343HKF5	AVWT-343HKF5	AVWT-386HKF5		
		/	/	/	/		
		/	/	/	/		
Power Supply		380-415V 3~ 50Hz/60Hz					
Cooling	Capacity*1	kW	207.5	213.0	218.5	224.0	
		kBtu/h	707.9	726.7	745.5	764.2	
	Power Input	kW	66.11	68.58	71.03	73.44	
	EER	kW/kW	3.14	3.11	3.08	3.05	
Heating	Capacity*1	kW	232.5	238.5	245.0	251.0	
		kBtu/h	793.2	813.7	835.9	856.4	
	Power Input	kW	67.23	69.64	74.06	74.70	
	COP	kW/kW	3.46	3.42	3.31	3.36	
Ventilation	Air Flow Rate	m³/min	934	934	934	934	
	Fan Quantity	pcs	4	4	4	4	
	External Static Pressure	Pa	110	110	110	110	
Sound	Sound Pressure Level*2	dB(A)	70	70	70	70	
Compressor	Type	Enhanced Vapor Injection Scroll Compressor					
	Quantity	pcs	4	4	4	4	
Refrigerant	Type	R410A					
	Pre-charged Amount	kg	16.1+16.1	16.1+16.1	16.1+16.1	16.1+16.1	
Weight	Net	kg	493+482	493+482	493+482	493+493	
	Gross	kg	519+530	530+519	530+519	530+530	
Dimensions	External (H × W × D)	mm	1800 × (1880+1880) × 825				
	Packing(H × W × D)	mm	1960 × (1940+1940) × 885				
Cabinet Color		Gray + 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	128	128	128	128	
	Connection Ratio*3	-	30%~150%	30%~150%	30%~150%	30%~150%	
Piping Design	Height Difference Between ODU and IDU	m	110	110	110	110	
		m	40	40	40	40	
	Max. Piping Length	Actual	m	220	220	220	220
		Equivalent	m	260	260	260	260
Operation Range	Cooling	DB	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	
	Heating	WB	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°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.
Measurement point: 1m from the service cover surface and 1.5m from the floor level.
- When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series



HP		82HP	84HP	86HP	88HP	90HP		
Model		AVWT-792HKF5	AVWT-812HKF5	AVWT-830HKF5	AVWT-852HKF5	AVWT-870HKF5		
		AVWT-290HKF5	AVWT-290HKF5	AVWT-290HKF5	AVWT-290HKF5	AVWT-290HKF5		
	Modules	AVWT-290HKF5	AVWT-272HKF5	AVWT-290HKF5	AVWT-290HKF5	AVWT-290HKF5		
		AVWT-212HKF5	AVWT-250HKF5	AVWT-250HKF5	AVWT-272HKF5	AVWT-290HKF5		
Power Supply		380-415V 3~ 50Hz/60Hz						
Cooling	Capacity*1	kW	231.5	237.0	243.5	248.5	255.0	
		kBtu/h	789.8	808.6	830.8	847.8	870.0	
	Power Input	kW	68.02	69.09	71.51	73.70	76.12	
	EER	kW/kW	3.40	3.43	3.41	3.37	3.35	
Heating	Capacity*1	kW	259.0	265.0	272.5	277.5	285.0	
		kBtu/h	883.7	904.1	929.7	946.8	972.4	
	Power Input	kW	68.11	69.34	72.10	74.06	76.82	
	COP	kW/kW	3.80	3.82	3.78	3.75	3.71	
Ventilation	Air Flow Rate	m³/min	1117	1117	1117	1200	1200	
	Fan Quantity	pcs	6	6	6	6	6	
	External Static Pressure	Pa	110	110	110	110	110	
Sound	Sound Pressure Level*2	dB(A)	67	67	67	68	68	
Compressor	Type	Enhanced Vapor Injection Scroll Compressor						
	Quantity	pcs	5	6	6	6	6	
Refrigerant	Type	R410A						
	Pre-charged Amount	kg	11.5+11.5+9.7	11.5+11.5+13.1	11.5+11.5+13.1	11.5+11.5+11.5	11.5+11.5+11.5	
Weight	Net	kg	406+406+304	406+406+368	406+406+368	406+406+406	406+406+406	
	Gross	kg	430+430+320	430+430+399	430+430+399	430+430+430	430+430+430	
Dimensions	External (H × W × D)	mm	1800 × (1600+1600+1390) × 825			1800 × (1600+1600+1600) × 825		
	Packing(H × W × D)	mm	1960 × (1660+1660+1450) × 885			1960 × (1660+1660+1660) × 885		
Cabinet Color		Gray + White						
Ref. Piping	Gas	mm	φ44.5	φ50.8	φ50.8	φ50.8	φ50.8	
		inch	1-3/4	2	2	2	2	
	Liquid	mm	φ22.2	φ25.4	φ25.4	φ25.4	φ25.4	
		inch	7/8	1	1	1	1	
Connectable Indoor Units	Quantity	pcs	128	128	128	128	128	
	Connection Ratio*3	-	30%~130%	30%~130%	30%~130%	30%~130%	30%~130%	
Piping Design	Height Difference Between ODU and IDU	m	110	110	110	110	110	
		m	40	40	40	40	40	
	Max. Piping Length	Actual	m	220	220	220	220	220
		Equivalent	m	260	260	260	260	260
Operation Range	Cooling	DB	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	
	Heating	WB	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°C	

Notes:
 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
 Cooling Conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.
 Heating Conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe Length: 7.5m, pipe height difference: 0m.
 2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
 Measurement point: 1m from the service cover surface and 1.5m from the floor level.
 3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series



HP		92HP	94HP	96HP	98HP	100HP		
Model		AVWT-887HKF5	AVWT-905HKF5	AVWT-923HKF5	AVWT-945HKF5	AVWT-966HKF5		
		AVWT-343HKF5	AVWT-343HKF5	AVWT-343HKF5	AVWT-365HKF5	AVWT-386HKF5		
	Modules	AVWT-272HKF5	AVWT-290HKF5	AVWT-290HKF5	AVWT-290HKF5	AVWT-290HKF5		
		AVWT-272HKF5	AVWT-272HKF5	AVWT-290HKF5	AVWT-290HKF5	AVWT-290HKF5		
Power Supply		380-415V 3~ 50Hz/60Hz						
Cooling	Capacity*1	kW	258.0	264.5	271.0	276.5	282.0	
		kBtu/h	880.2	902.4	924.6	943.4	962.1	
	Power Input	kW	77.77	80.19	82.61	84.99	87.47	
	EER	kW/kW	3.32	3.30	3.28	3.25	3.22	
Heating	Capacity*1	kW	288.0	295.5	303.0	309.5	315.5	
		kBtu/h	982.6	1008.2	1033.8	1056.0	1076.4	
	Power Input	kW	77.98	80.74	83.50	86.15	88.56	
	COP	kW/kW	3.69	3.66	3.63	3.59	3.56	
Ventilation	Air Flow Rate	m³/min	1267	1267	1267	1267	1267	
	Fan Quantity	pcs	6	6	6	6	6	
	External Static Pressure	Pa	110	110	110	110	110	
Sound	Sound Pressure Level*2	dB(A)	69	69	69	70	70	
Compressor	Type	Enhanced Vapor Injection Scroll Compressor						
	Quantity	pcs	6	6	6	6	6	
Refrigerant	Type	R410A						
	Pre-charged Amount	kg	16.1+11.5+11.5	16.1+11.5+11.5	16.1+11.5+11.5	16.1+11.5+11.5	16.1+11.5+11.5	
Weight	Net	kg	482+406+406	482+406+406	482+406+406	493+406+406	493+406+406	
	Gross	kg	519+430+430	519+430+430	519+430+430	530+430+430	530+430+430	
Dimensions	External (H × W × D)	mm	1800 × (1880+1600+1600) × 825					
	Packing(H × W × D)	mm	1960 × (1940+1660+1660) × 885					
Cabinet Color		Gray + 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	128	128	128	128	128	
	Connection Ratio*3	-	30%~130%	30%~130%	30%~130%	30%~130%	30%~130%	
Piping Design	Height Difference Between ODU and IDU	m	110	110	110	110	110	
		m	40	40	40	40	40	
	Max. Piping Length	Actual	m	220	220	220	220	220
		Equivalent	m	260	260	260	260	260
Operation Range	Cooling	DB	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	
	Heating	WB	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°C	

Notes:
 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
 Cooling Conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.
 Heating Conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe Length: 7.5m, pipe height difference: 0m.
 2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
 Measurement point: 1m from the service cover surface and 1.5m from the floor level.
 3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series



HP		102HP	104HP	106HP	108HP	110HP		
Model		AVWT-976HKF5	AVWT-1001HKF5	AVWT-1019HKF5	AVWT-1037HKF5	AVWT-1062HKF5		
		AVWT-343HKF5	AVWT-386HKF5	AVWT-386HKF5	AVWT-404HKF5	AVWT-386HKF5		
	Modules	AVWT-343HKF5	AVWT-343HKF5	AVWT-343HKF5	AVWT-343HKF5	AVWT-386HKF5		
		AVWT-290HKF5	AVWT-272HKF5	AVWT-290HKF5	AVWT-290HKF5	AVWT-290HKF5		
Power Supply		/	/	/	/	/		
Cooling	Capacity*1	380-415V 3~ 50Hz/60Hz						
		kW	287.0	291.5	298.0	303.5	309.0	
		kBtu/h	979.2	994.5	1016.7	1035.5	1054.3	
	Power Input	kW	89.10	91.54	93.96	96.40	98.82	
	EER	kW/kW	3.22	3.18	3.17	3.15	3.13	
Heating	Capacity*1	kW	321.0	326.0	333.5	340.0	346.0	
		kBtu/h	1095.2	1112.3	1137.9	1160.0	1180.5	
	Power Input	kW	90.18	92.48	95.24	99.66	100.31	
	COP	kW/kW	3.56	3.52	3.50	3.41	3.45	
Ventilation	Air Flow Rate	m³/min	1334	1334	1334	1334	1334	
	Fan Quantity	pcs	6	6	6	6	6	
	External Static Pressure	Pa	110	110	110	110	110	
Sound	Sound Pressure Level*2	dB(A)	70	70	70	70	71	
	Type	-	Enhanced Vapor Injection Scroll Compressor					
Compressor	Quantity	pcs	6	6	6	6	6	
	Type	-	R410A					
Refrigerant	Pre-charged Amount	kg	16.1+16.1+11.5	16.1+16.1+11.5	16.1+16.1+11.5	16.1+16.1+11.5	16.1+16.1+11.5	
	Net	kg	482+482+406	493+482+406	493+482+406	493+482+406	493+493+406	
Weight	Gross	kg	519+519+430	530+519+430	530+519+430	530+519+430	530+530+430	
	External (H x W x D)	mm	1800 x (1880+1880+1600) x 825					
Dimensions	Packing(H x W x D)	mm	1960 x (1940+1940+1660) x 885					
	Cabinet Color	-	Gray + 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	128	128	128	128	128	
	Connection Ratio*3	-	30%~130%	30%~130%	30%~130%	30%~130%	30%~130%	
Piping Design	Height Difference Between ODU and IDU	m	110	110	110	110	110	
		m	40	40	40	40	40	
	Max. Piping Length	Actual	m	220	220	220	220	220
		Equivalent	m	260	260	260	260	260
Operation Range	Cooling	DB	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	
	Heating	WB	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°C	

Notes:
 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
 Cooling Conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.
 Heating Conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe Length: 7.5m, pipe height difference: 0m.
 2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
 Measurement point: 1m from the service cover surface and 1.5m from the floor level.
 3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series



HP		112HP	114HP	116HP	118HP	120HP		
Model		AVWT-1072HKF5	AVWT-1090HKF5	AVWT-1115HKF5	AVWT-1137HKF5	AVWT-1158HKF5		
		AVWT-386HKF5	AVWT-404HKF5	AVWT-386HKF5	AVWT-386HKF5	AVWT-386HKF5		
	Modules	AVWT-343HKF5	AVWT-343HKF5	AVWT-386HKF5	AVWT-386HKF5	AVWT-386HKF5		
		AVWT-343HKF5	AVWT-343HKF5	AVWT-343HKF5	AVWT-365HKF5	AVWT-386HKF5		
Power Supply		/	/	/	/	/		
Cooling	Capacity*1	380-415V 3~ 50Hz/60Hz						
		kW	314.0	319.5	325.0	330.5	336.0	
		kBtu/h	1071.3	1090.1	1108.9	1127.6	1146.4	
	Power Input	kW	100.44	102.89	105.30	107.69	110.16	
	EER	kW/kW	3.13	3.11	3.09	3.07	3.05	
Heating	Capacity*1	kW	351.5	358.0	364.0	370.5	376.5	
		kBtu/h	1199.3	1221.4	1241.9	1287.7	1284.6	
	Power Input	kW	101.92	106.34	106.99	109.64	112.05	
	COP	kW/kW	3.45	3.37	3.40	3.38	3.36	
Ventilation	Air Flow Rate	m³/min	1401	1401	1401	1401	1401	
	Fan Quantity	pcs	6	6	6	6	6	
	External Static Pressure	Pa	110	110	110	110	110	
Sound	Sound Pressure Level*2	dB(A)	71	71	71	72	72	
	Type	-	Enhanced Vapor Injection Scroll Compressor					
Compressor	Quantity	pcs	6	6	6	6	6	
	Type	-	R410A					
Refrigerant	Pre-charged Amount	kg	16.1+16.1+16.1	16.1+16.1+16.1	16.1+16.1+16.1	16.1+16.1+16.1	16.1+16.1+16.1	
	Net	kg	493+482+482	493+482+482	493+493+482	493+493+493	493+493+493	
Weight	Gross	kg	530+519+519	530+519+519	530+530+519	530+530+530	530+530+530	
	External (H x W x D)	mm	1800 x (1880+1880+1880) x 825					
Dimensions	Packing(H x W x D)	mm	1960 x (1940+1940+1940) x 885					
	Cabinet Color	-	Gray + White					
Ref. Piping	Gas	mm	φ53.98	φ53.98	φ53.98	φ53.98	φ53.98	
		inch	2-1/8	2-1/8	2-1/8	2-1/8	2-1/8	
	Liquid	mm	φ28.6	φ28.6	φ28.6	φ28.6	φ28.6	
		inch	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	
Connectable Indoor Units	Quantity	pcs	128	128	128	128	128	
	Connection Ratio*3	-	30%~130%	30%~130%	30%~130%	30%~130%	30%~130%	
Piping Design	Height Difference Between ODU and IDU	m	110	110	110	110	110	
		m	40	40	40	40	40	
	Max. Piping Length	Actual	m	220	220	220	220	220
		Equivalent	m	260	260	260	260	260
Operation Range	Cooling	DB	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	-15°C~55°C	
	Heating	WB	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°C	-30°C~30°C	

Notes:
 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
 Cooling Conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.
 Heating Conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe Length: 7.5m, pipe height difference: 0m.
 2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
 Measurement point: 1m from the service cover surface and 1.5m from the floor level.
 3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.