

### Hi-FLEXi X3 Series



HP		8HP	10HP	12HP	14HP	16HP	18HP	
Model		AVWT-76HKFXE	AVWT-96HKFXE	AVWT-114HKFXE	AVWT-136HKFXE	AVWT-154HKFXE	AVWT-170HKFXE	
Model	Modules	—	—	—	—	—	—	
Power Supply		AC 3Φ, 380-415V/50Hz, 380V/60Hz						
Cooling	Capacity	kW	22.4	28.0	33.5	40.0	50.4	
		kBtu/h	76.4	95.5	114.3	136.5	153.5	172.0
	Power Input	kW	5.46	7.09	9.18	11.32	13.10	15.34
	EER	kW/kW	4.10	3.95	3.65	3.53	3.44	3.29
Heating	Capacity	kW	25.0	31.5	37.5	45.0	50.0	52.5
		kBtu/h	85.3	107.5	128.0	153.5	170.6	179.1
	Power Input	kW	5.57	7.35	9.21	11.21	12.99	13.78
Ventilation	COP	kW/kW	4.49	4.29	4.07	4.01	3.85	3.81
	Air Flow Rate	m³/min	170	175	183	205	210	215
	Fan Quantity		1	1	1	2	2	2
Sound Pressure Level	Static Pressure	Pa	110	110	110	110	110	110
	Normal Mode	dB(A)	56	57	59	59	60	61
Compressor	Night Shift Mode	dB(A)	41	42	44	44	45	46
	Type	—	Twin Rotary					
Refrigerant	Compressor Quantity	pcs	1	1	1	1	1	1
	Type	—	R410A					
Weight	Pre-charged Quantity	kg	5.3	5.3	5.8	8.1	8.1	10.2
	Net Weight	kg	204	206	213	258	259	279
	Gross Weight	kg	223	225	231	278	279	300
Dimensions	External(HxWxD)	mm	1730x950x750	1730x950x750	1730x950x750	1730x1210x750	1730x1210x750	1730x1210x750
	Packing(HxWxD)	mm	1950x1015x790	1950x1015x790	1950x1015x790	1950x1275x790	1950x1275x790	1950x1275x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	
Ref. Piping	Gas	mm	φ 19.05	φ 22.20	φ 25.40	φ 25.40	φ 28.60	φ 28.60
		inch	3/4	7/8	1	1	1-1/8	1-1/8
	Liquid	mm	φ 9.53	φ 9.53	φ 12.70	φ 12.70	φ 12.70	φ 15.88
		inch	3/8	3/8	1/2	1/2	1/2	5/8
Connectable Indoor Units	Quantity	pcs	13	16	19	23	26	29
	Total Capacity	—	50%~150%	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*)	50(90*)
		m(below)	40(90*)	40(90*)	40(90*)	40(90*)	40(90*)	40(90*)
	Height Difference Between IDUs	m	30	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~54°C	-5°C~54°C	-5°C~54°C	-5°C~54°C	-5°C~54°C	-5°C~54°C
	Heating	WB	-21°C~16.5°C	-21°C~16.5°C	-21°C~16.5°C	-21°C~16.5°C	-21°C~16.5°C	-21°C~16.5°C

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°C DB 19°C WB, outdoor ambient temperature 35°C DB; Heating operation: indoor air inlet temperature 20°C DB, outdoor ambient temperature 7°C DB 6°C WB.  
 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.  
 \*: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.  
 \*\*: When the operation temperature is under 48°C DB ~ 54°C DB, the system may be in intermittent operation. Please contact with our professional engineer.

### Hi-FLEXi X3 Series



HP		20HP	22HP	24HP	26HP	28HP	
Model		AVWT-190HKFXE	AVWT-212HKFXE	AVWT-232HKFXE	AVWT-250HKFXE	AVWT-272HKFXE	
Model	Modules	—	—	—	—	—	
Power Supply		AC 3Φ, 380-415V/50Hz, 380V/60Hz					
Cooling	Capacity	kW	56.0	61.5	68.0	73.5	80.0
		kBtu/h	191.1	209.8	232.0	250.8	273.0
	Power Input	kW	17.13	18.96	21.05	22.78	25.03
	EER	kW/kW	3.27	3.24	3.23	3.23	3.20
Heating	Capacity	kW	63.0	69.0	75.0	82.5	87.5
		kBtu/h	215.0	235.4	255.9	281.5	298.6
	Power Input	kW	16.56	18.25	19.84	22.14	23.87
Ventilation	COP	kW/kW	3.80	3.78	3.78	3.73	3.67
	Air Flow Rate	m³/min	267	296	296	350	350
	Fan Quantity		2	2	2	2	2
Sound Pressure Level	Static Pressure	Pa	110	110	110	110	110
	Normal Mode	dB(A)	62	63	63	64	64
Compressor	Night Shift Mode	dB(A)	47	48	48	49	49
	Type	—	Twin Rotary				
Refrigerant	Compressor Quantity	pcs	2	2	2	2	2
	Type	—	R410A				
Weight	Pre-charged Quantity	kg	10.9	11.4	11.4	11.4	11.4
	Net Weight	kg	332	348	349	358	369
	Gross Weight	kg	357	372	373	392	393
Dimensions	External(HxWxD)	mm	1730x1350x750	1730x1350x750	1730x1350x750	1730x1600x750	1730x1600x750
	Packing(HxWxD)	mm	1950x1420x790	1950x1420x790	1950x1420x790	1950x1665x790	1950x1665x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	
Ref. Piping	Gas	mm	φ 28.60	φ 28.60	φ 28.60	φ 31.75	φ 31.75
		inch	1-1/8	1-1/8	1-1/8	1-1/4	1-1/4
	Liquid	mm	φ 15.88	φ 15.88	φ 15.88	φ 19.05	φ 19.05
		inch	5/8	5/8	5/8	3/4	3/4
Connectable Indoor Units	Quantity	pcs	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	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~54°C	-5°C~54°C	-5°C~54°C	-5°C~54°C	-5°C~54°C
	Heating	WB	-21°C~16.5°C	-21°C~16.5°C	-21°C~16.5°C	-21°C~16.5°C	-21°C~16.5°C

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°C DB 19°C WB, outdoor ambient temperature 35°C DB; Heating operation: indoor air inlet temperature 20°C DB, outdoor ambient temperature 7°C DB 6°C WB.  
 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.  
 \*: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.  
 \*\*: When the operation temperature is under 48°C DB ~ 54°C DB, the system may be in intermittent operation. Please contact with our professional engineer.

### Hi-FLEXi X3 Series



HP		30HP	32HP	34HP	36HP
Model		AVWT-290HKFXE	AVWT-308HKFXE	AVWT-326HKFXE	AVWT-344HKFXE
Model	Modules	AVWT-154HKFXE AVWT-136HKFXE	AVWT-154HKFXE AVWT-154HKFXE	AVWT-190HKFXE AVWT-136HKFXE	AVWT-190HKFXE AVWT-154HKFXE
	Power Supply	AC 3Φ, 380-415V/50Hz, 380V/60Hz			
Cooling	Capacity	kW 85.0	90.0	96.0	101.0
		kBtu/h 290.0	307.0	327.6	344.6
	Power Input	kW 24.4	26.2	28.5	30.2
	EER	kW/kW 3.48	3.44	3.37	3.34
Heating	Capacity	kW 95.0	100.0	108.0	113.0
		kBtu/h 324.1	341.2	368.5	385.6
	Power Input	kW 24.2	26.0	27.8	29.6
	COP 3.93	3.85	3.89	3.82	
Ventilation	Air Flow Rate	m <sup>3</sup> /min 415	420	472	477
	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	Twin Rotary			
	Compressor Quantity	pcs 2	2	3	3
Refrigerant	Type	R410A			
	Pre-charged Quantity	kg 16.2	16.2	19.0	19.0
Weight	Net Weight	kg 517	518	590	591
	Gross Weight	kg 557	558	635	636
Dimensions	External(HxWxD)	mm 1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1350) x750	1730x (1210+1350) x750
	Packing(HxWxD)	mm 1950x (1275+1275) x790	1950x (1275+1275) x790	1950x (1275+1420) x790	1950x (1275+1420) x790
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 50	53	56	59
	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-54°C	-5°C-54°C	-5°C-54°C	-5°C-54°C
	Heating	WB -21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C

Notes:

- Rated capacity is tested in the following conditions:  
Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27°C DB 19°C WB, outdoor ambient temperature 35°C DB; Heating operation: indoor air inlet temperature 20°C DB, outdoor ambient temperature 7°C DB 6°C WB.
  - 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 ~ 54°C DB, the system may be in intermittent operation. Please contact with our professional engineer.

### Hi-FLEXi X3 Series



HP		38HP	40HP	42HP	44HP	46HP
Model		AVWT-366HKFXE	AVWT-386HKFXE	AVWT-402HKFXE	AVWT-422HKFXE	AVWT-444HKFXE
Model	Modules	AVWT-212HKFXE AVWT-154HKFXE	AVWT-232HKFXE AVWT-154HKFXE	AVWT-212HKFXE AVWT-190HKFXE	AVWT-232HKFXE AVWT-190HKFXE	AVWT-232HKFXE AVWT-212HKFXE
	Power Supply	AC 3Φ, 380-415V/50Hz, 380V/60Hz				
Cooling	Capacity	kW 106.5	113.0	117.5	124.0	129.5
		kBtu/h 363.3	385.5	401	423	442
	Power Input	kW 32.1	34.2	36.1	38.2	40.0
	EER	kW/kW 3.32	3.31	3.26	3.25	3.24
Heating	Capacity	kW 119.0	125.0	132.0	138.0	144.0
		kBtu/h 406.0	426.5	450.4	470.9	491.3
	Power Input	kW 31.2	32.8	34.8	36.4	38.1
	COP 3.81	3.81	3.79	3.79	3.78	
Ventilation	Air Flow Rate	m <sup>3</sup> /min 506	506	563	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	Twin Rotary				
	Compressor Quantity	pcs 3	3	4	4	4
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg 19.5	19.5	22.3	22.3	22.8
Weight	Net Weight	kg 607	608	680	681	697
	Gross Weight	kg 651	652	729	730	745
Dimensions	External(HxWxD)	mm 1730x (1210+1350) x750	1730x (1210+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750
	Packing(HxWxD)	mm 1950x (1275+1420) x790	1950x (1275+1420) x790	1950x (1420+1420) x790	1950x (1420+1420) x790	1950x (1420+1420) x790
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 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-54°C	-5°C-54°C	-5°C-54°C	-5°C-54°C	-5°C-54°C
	Heating	WB -21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C

Notes:

- Rated capacity is tested in the following conditions:  
Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27°C DB 19°C WB, outdoor ambient temperature 35°C DB; Heating operation: indoor air inlet temperature 20°C DB, outdoor ambient temperature 7°C DB 6°C WB.
  - 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 ~ 54°C DB, the system may be in intermittent operation. Please contact with our professional engineer.

## Hi-FLEXi X3 Series



HP		48HP	50HP	52HP	54HP	56HP
Model		AVWT-464HKFXE	AVWT-482HKFXE	AVWT-504HKFXE	AVWT-522HKFXE	AVWT-544HKFXE
Model	Modules	AVWT-232HKFXE AVWT-232HKFXE	AVWT-250HKFXE AVWT-232HKFXE	AVWT-272HKFXE AVWT-232HKFXE	AVWT-272HKFXE AVWT-250HKFXE	AVWT-272HKFXE AVWT-272HKFXE
	Power Supply	AC 3Φ, 380-415V/50Hz, 380V/60Hz				
Cooling	Capacity	kW 136.0	141.5	148.0	153.5	160.0
		kBtu/h 464	483	505	524	546
	Power Input	kW 42.1	43.8	46.1	47.8	50.1
	EER	kW/kW 3.23	3.23	3.21	3.21	3.20
Heating	Capacity	kW 150.0	157.5	162.5	170.0	175.0
		kBtu/h 511.8	537.4	554.5	580.1	597.2
	Power Input	kW 39.7	42.0	43.7	46.0	47.7
Ventilation	COP	kW/kW 3.78	3.75	3.72	3.69	3.67
	Air Flow Rate	m <sup>3</sup> /min 592	646	646	700	700
	Fan Quantity	4	4	4	4	4
Sound Pressure Level	Static Pressure	Pa 110	110	110	110	110
	Normal Mode	dB(A) 66	67	67	67	67
	Night Shift Mode	dB(A) 51	52	52	52	52
Compressor	Type	Twin Rotary				
	Compressor Quantity	pcs 4	4	4	4	4
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg 22.8	22.8	22.8	22.8	22.8
Weight	Net Weight	kg 698	707	718	727	738
	Gross Weight	kg 746	765	766	785	786
Dimensions	External(HxWxD)	mm 1730x (1350+1350) x750	1730x (1350+1600) x750	1730x (1350+1600) x750	1730x (1600+1600) x750	1730x (1600+1600) x750
	Packing(HxWxD)	mm 1950x (1420+1420) x790	1950x (1420+1665) x790	1950x (1420+1665) x790	1950x (1665+1665) x790	1950x (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 <sup>2</sup>	Cooling	DB -5°C-54°C	-5°C-54°C	-5°C-54°C	-5°C-54°C	-5°C-54°C
	Heating	WB -21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C

Notes:

- Rated capacity is tested in the following conditions:  
Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27°C DB 19°C WB, outdoor ambient temperature 35°C DB; Heating operation: indoor air inlet temperature 20°C DB, outdoor ambient temperature 7°C DB 6°C WB.
  - 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.
- \*: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.  
\*: When the operation temperature is under 48°C DB - 54°C DB, the system may be in intermittent operation. Please contact with our professional engineer.

## Hi-FLEXi X3 Series



HP		58HP	60HP	62HP	64HP
Model		AVWT-556HKFXE	AVWT-576HKFXE	AVWT-598HKFXE	AVWT-618HKFXE
Model	Modules	AVWT-212HKFXE AVWT-190HKFXE AVWT-154HKFXE	AVWT-232HKFXE AVWT-190HKFXE AVWT-154HKFXE	AVWT-232HKFXE AVWT-212HKFXE AVWT-154HKFXE	AVWT-232HKFXE AVWT-232HKFXE AVWT-154HKFXE
	Power Supply	AC 3Φ, 380-415V/50Hz, 380V/60Hz			
Cooling	Capacity	kW 162.5	169.0	174.5	181.0
		kBtu/h 554.4	576.6	595.3	617.5
	Power Input	kW 49.2	51.3	53.1	55.2
	EER	kW/kW 3.30	3.30	3.29	3.28
Heating	Capacity	kW 182.0	188.0	194.0	200.0
		kBtu/h 621.0	641.5	661.9	682.4
	Power Input	kW 47.8	49.4	51.1	52.7
Ventilation	COP	kW/kW 3.81	3.81	3.80	3.80
	Air Flow Rate	m <sup>3</sup> /min 773	773	802	802
	Fan Quantity	6	6	6	6
Sound Pressure Level	Static Pressure	Pa 110	110	110	110
	Normal Mode	dB(A) 67	67	67	67
	Night Shift Mode	dB(A) 52	52	52	52
Compressor	Type	Twin Rotary			
	Compressor Quantity	pcs 5	5	5	5
Refrigerant	Type	R410A			
	Pre-charged Quantity	kg 30.4	30.4	30.9	30.9
Weight	Net Weight	kg 939	940	956	957
	Gross Weight	kg 1008	1009	1024	1025
Dimensions	External(HxWxD)	mm 1730x (1210+1350+1350) x750	1730x (1210+1350+1350) x750	1730x (1210+1350+1350) x750	1730x (1210+1350+1350) x750
	Packing(HxWxD)	mm 1950x (1275+1420+1420) x790	1950x (1275+1420+1420) x790	1950x (1275+1420+1420) x790	1950x (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 <sup>2</sup>	Cooling	DB -5°C-54°C	-5°C-54°C	-5°C-54°C	-5°C-54°C
	Heating	WB -21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C

Notes:

- Rated capacity is tested in the following conditions:  
Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27°C DB 19°C WB, outdoor ambient temperature 35°C DB; Heating operation: indoor air inlet temperature 20°C DB, outdoor ambient temperature 7°C DB 6°C WB.
  - 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.
- \*: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.  
\*: When the operation temperature is under 48°C DB - 54°C DB, the system may be in intermittent operation. Please contact with our professional engineer.

### Hi-FLEXi X3 Series



HP		66HP	68HP	70HP	72HP	74HP
Model	Model	AVWT-634HKFXE	AVWT-654HKFXE	AVWT-676HKFXE	AVWT-696HKFXE	AVWT-714HKFXE
	Modules	AVWT-232HKFXE AVWT-212HKFXE AVWT-190HKFXE	AVWT-232HKFXE AVWT-232HKFXE AVWT-190HKFXE	AVWT-232HKFXE AVWT-232HKFXE AVWT-212HKFXE	AVWT-232HKFXE AVWT-232HKFXE AVWT-232HKFXE	AVWT-250HKFXE AVWT-232HKFXE AVWT-232HKFXE
	Power Supply	AC 3φ, 380-415V/50Hz, 380V/60Hz				
Cooling	Capacity	kW 185.5	192.0	197.5	204.0	209.5
	kBtu/h	632.9	655.1	673.8	696.0	714.8
	Power Input	kW 57.1	59.2	61.1	63.2	64.9
	EER	kW/kW 3.25	3.24	3.23	3.23	3.23
Heating	Capacity	kW 207.0	213.0	219.0	225.0	232.5
	kBtu/h	706.3	726.8	747.2	767.7	793.3
	Power Input	kW 54.7	56.2	57.9	59.5	61.8
Ventilation	COP	kW/kW 3.79	3.79	3.78	3.78	3.76
	Air Flow Rate	m³/min 859	859	888	888	942
	Fan Quantity	6	6	6	6	6
Sound Pressure Level	Static Pressure	Pa 110	110	110	110	110
	Normal Mode	dB(A) 67	67	68	68	68
	Night Shift Mode	dB(A) 52	52	53	53	53
Compressor	Type	Twin Rotary				
	Compressor Quantity	pcs 6	6	6	6	6
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg 33.7	33.7	34.2	34.2	34.2
Weight	Net Weight	kg 1029	1030	1046	1047	1056
	Gross Weight	kg 1102	1103	1118	1119	1138
Dimensions	External(HxWxD)	mm 1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1600) x750
	Packing(HxWxD)	mm 1950x (1420+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1665) x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	Ivory 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
Connectable Indoor Units	inch	7/8	1	1	1	1
	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 <sup>2</sup>	Cooling	DB -5°C-54°C	-5°C-54°C	-5°C-54°C	-5°C-54°C	-5°C-54°C
	Heating	WB -21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C

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°C DB 19°C WB, outdoor ambient temperature 35°C DB; Heating operation: indoor air inlet temperature 20°C DB, outdoor ambient temperature 7°C DB 6°C WB.  
 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.  
 \*\*: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.  
 \*: When the operation temperature is under 48°C DB ~ 54°C DB, the system may be in intermittent operation. Please contact with our professional engineer.

### Hi-FLEXi X3 Series



HP		76HP	78HP	80HP	82HP	84HP
Model	Model	AVWT-732HKFXE	AVWT-754HKFXE	AVWT-776HKFXE	AVWT-794HKFXE	AVWT-816HKFXE
	Modules	AVWT-250HKFXE AVWT-250HKFXE AVWT-232HKFXE	AVWT-272HKFXE AVWT-250HKFXE AVWT-232HKFXE	AVWT-272HKFXE AVWT-272HKFXE AVWT-232HKFXE	AVWT-272HKFXE AVWT-272HKFXE AVWT-250HKFXE	AVWT-272HKFXE AVWT-272HKFXE AVWT-272HKFXE
	Power Supply	AC 3φ, 380-415V/50Hz, 380V/60Hz				
Cooling	Capacity	kW 215.0	221.5	228.0	233.5	240.0
	kBtu/h	733.6	755.8	778.0	796.8	819.0
	Power Input	kW 66.6	68.9	71.1	72.8	75.1
	EER	kW/kW 3.23	3.22	3.21	3.21	3.20
Heating	Capacity	kW 240.0	245.0	250.0	257.5	262.5
	kBtu/h	818.9	836.0	853.1	878.7	895.8
	Power Input	kW 64.1	65.9	67.6	69.9	71.6
Ventilation	COP	kW/kW 3.74	3.72	3.70	3.68	3.67
	Air Flow Rate	m³/min 996	996	996	1050	1050
	Fan Quantity	6	6	6	6	6
Sound Pressure Level	Static Pressure	Pa 110	110	110	110	110
	Normal Mode	dB(A) 68	68	68	69	69
	Night Shift Mode	dB(A) 53	53	53	54	54
Compressor	Type	Twin Rotary				
	Compressor Quantity	pcs 6	6	6	6	6
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg 34.2	34.2	34.2	34.2	34.2
Weight	Net Weight	kg 1065	1076	1087	1096	1107
	Gross Weight	kg 1157	1158	1159	1178	1179
Dimensions	External(HxWxD)	mm 1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750	1730x (1600+1600+1600) x750	1730x (1600+1600+1600) x750
	Packing(HxWxD)	mm 1950x (1420+1665+1665) x790	1950x (1420+1665+1665) x790	1950x (1420+1665+1665) x790	1950x (1665+1665+1665) x790	1950x (1665+1665+1665) 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
Connectable Indoor Units	inch	1	1	1	1	1
	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 <sup>2</sup>	Cooling	DB -5°C-54°C	-5°C-54°C	-5°C-54°C	-5°C-54°C	-5°C-54°C
	Heating	WB -21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C

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°C DB 19°C WB, outdoor ambient temperature 35°C DB; Heating operation: indoor air inlet temperature 20°C DB, outdoor ambient temperature 7°C DB 6°C WB.  
 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.  
 \*\*: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.  
 \*: When the operation temperature is under 48°C DB ~ 54°C DB, the system may be in intermittent operation. Please contact with our professional engineer.

### Hi-FLEXi X3 Series



HP		86HP	88HP	90HP	92HP	
Model	Model	AVWT-824HKFXE	AVWT-844HKFXE	AVWT-866HKFXE	AVWT-886HKFXE	
	Modules	AVWT-232HKFXE	AVWT-232HKFXE	AVWT-232HKFXE	AVWT-232HKFXE	
		AVWT-212HKFXE	AVWT-232HKFXE	AVWT-232HKFXE	AVWT-232HKFXE	
		AVWT-190HKFXE	AVWT-190HKFXE	AVWT-212HKFXE	AVWT-232HKFXE	
Power Supply		AC 3Φ, 380~415V/50Hz, 380V/60Hz				
Cooling	Capacity	kW	241.5	248.0	253.5	260.0
		kBtu/h	824.0	846.2	864.9	887.1
	Power Input	kW	74.3	76.4	78.2	80.3
	EER	kW/kW	3.25	3.25	3.24	3.24
Heating	Capacity	kW	270.0	276.0	282.0	288.0
		kBtu/h	921.3	941.8	962.2	982.7
	Power Input	kW	71.2	72.8	74.5	76.1
COP		kW/kW	3.79	3.79	3.79	3.79
	Air Flow Rate	m³/min	1126	1126	1155	1155
	Fan Quantity		8	8	8	8
Static Pressure		Pa	110	110	110	110
	Normal Mode	dB(A)	69	69	69	69
Sound Pressure Level	Night Shift Mode	dB(A)	54	54	54	54
	Compressor	Type	Twin Rotary			
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg	44.6	44.6	45.1	45.1
Weight	Net Weight	kg	1361	1362	1378	1379
	Gross Weight	kg	1459	1460	1475	1476
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750
	Packing(HxWxD)	mm	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	φ50.8	φ50.8	φ50.8	φ50.8
		inch	2	2	2	2
	Liquid	mm	φ25.4	φ25.4	φ25.4	φ25.4
		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°C~54°C	-5°C~54°C	-5°C~54°C	-5°C~54°C
	Heating	WB	-21°C~16.5°C	-21°C~16.5°C	-21°C~16.5°C	-21°C~16.5°C

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°C DB 19°C WB, outdoor ambient temperature 35°C DB; Heating operation: indoor air inlet temperature 20°C DB, outdoor ambient temperature 7°C DB 6°C WB.  
 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.  
 \*: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.  
 \*\*: When the operation temperature is under 48°C DB ~ 54°C DB, the system may be in intermittent operation. Please contact with our professional engineer.

### Hi-FLEXi X3 Series



HP		94HP	96HP	98HP	100HP	102HP	
Model	Model	AVWT-908HKFXE	AVWT-928HKFXE	AVWT-946HKFXE	AVWT-968HKFXE	AVWT-986HKFXE	
	Modules	AVWT-232HKFXE	AVWT-232HKFXE	AVWT-250HKFXE	AVWT-272HKFXE	AVWT-272HKFXE	
		AVWT-232HKFXE	AVWT-232HKFXE	AVWT-232HKFXE	AVWT-232HKFXE	AVWT-250HKFXE	
		AVWT-232HKFXE	AVWT-232HKFXE	AVWT-232HKFXE	AVWT-232HKFXE	AVWT-232HKFXE	
Power Supply		AC 3Φ, 380~415V/50Hz, 380V/60Hz					
Cooling	Capacity	kW	265.5	272.0	277.5	284.0	289.5
		kBtu/h	905.8	928.0	946.8	969.0	987.8
	Power Input	kW	82.1	84.2	85.9	88.2	89.9
	EER	kW/kW	3.23	3.23	3.23	3.22	3.22
Heating	Capacity	kW	294.0	300.0	307.5	312.5	320.0
		kBtu/h	1003.1	1023.6	1049.2	1066.3	1091.9
	Power Input	kW	77.8	79.4	81.7	83.4	85.7
COP		kW/kW	3.78	3.78	3.77	3.75	3.73
	Air Flow Rate	m³/min	1184	1184	1238	1238	1292
	Fan Quantity		8	8	8	8	8
Static Pressure		Pa	110	110	110	110	110
	Normal Mode	dB(A)	69	69	69	70	70
Sound Pressure Level	Night Shift Mode	dB(A)	54	54	54	55	55
	Compressor	Type	Twin Rotary				
	Compressor Quantity	pcs	8	8	8	8	8
Refrigerant	Type	R410A					
	Pre-charged Quantity	kg	45.6	45.6	45.6	45.6	45.6
Weight	Net Weight	kg	1395	1396	1405	1416	1425
	Gross Weight	kg	1491	1492	1511	1512	1531
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1600+1600) x750
	Packing(HxWxD)	mm	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1665) x790	1950x (1420+1420+1420+1665) x790	1950x (1420+1420+1665+1665) 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*2	Cooling	DB	-5°C~54°C	-5°C~54°C	-5°C~54°C	-5°C~54°C	-5°C~54°C
	Heating	WB	-21°C~16.5°C	-21°C~16.5°C	-21°C~16.5°C	-21°C~16.5°C	-21°C~16.5°C

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°C DB 19°C WB, outdoor ambient temperature 35°C DB; Heating operation: indoor air inlet temperature 20°C DB, outdoor ambient temperature 7°C DB 6°C WB.  
 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.  
 \*: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.  
 \*\*: When the operation temperature is under 48°C DB ~ 54°C DB, the system may be in intermittent operation. Please contact with our professional engineer.

# Hi-FLEXi Series

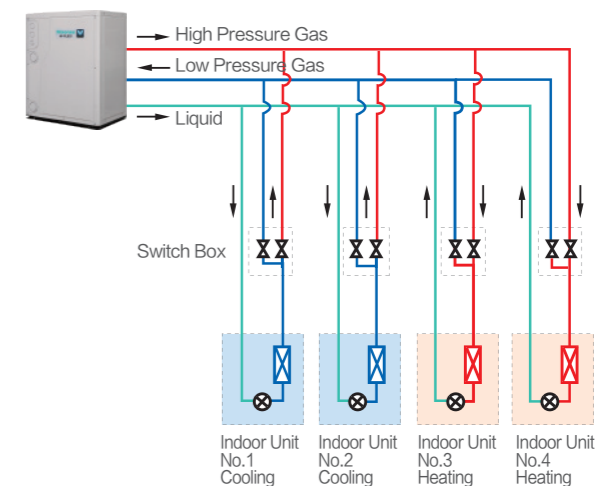
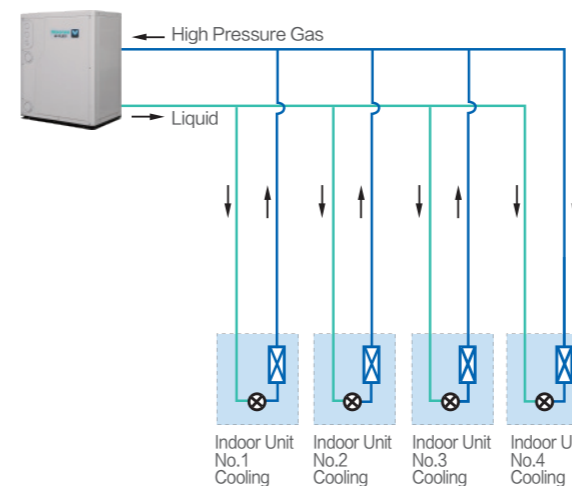
## Hi-FLEXi X3 Series



HP		104HP	106HP	108HP	110HP	112HP
Model	Model	AVWT-1008HKFXE	AVWT-1026HKFXE	AVWT-1048HKFXE	AVWT-1066HKFXE	AVWT-1088HKFXE
	Modules	AVWT-272HKFXE	AVWT-272HKFXE	AVWT-272HKFXE	AVWT-272HKFXE	AVWT-272HKFXE
		AVWT-232HKFXE	AVWT-250HKFXE	AVWT-272HKFXE	AVWT-272HKFXE	AVWT-272HKFXE
		AVWT-232HKFXE	AVWT-232HKFXE	AVWT-232HKFXE	AVWT-250HKFXE	AVWT-272HKFXE
Power Supply		AC 3φ, 380-415V/50Hz, 380V/60Hz				
Cooling	Capacity	296.0	301.5	308.0	313.5	320.0
	kW	1010.0	1028.8	1051.0	1069.8	1092.0
	Power Input	92.2	93.9	96.1	97.9	100.1
	EER	3.21	3.21	3.20	3.20	3.20
Heating	Capacity	325.0	332.5	337.5	345.0	350.0
	kW	1109.0	1134.6	1151.7	1177.3	1194.4
	Power Input	87.4	89.7	91.5	93.8	95.5
	COP	3.72	3.71	3.69	3.68	3.67
Ventilation	Air Flow Rate	1292	1346	1346	1400	1400
	Fan Quantity	8	8	8	8	8
	Static Pressure	110	110	110	110	110
Sound Pressure Level	Normal Mode	70	70	70	70	70
	Night Shift Mode	55	55	55	55	55
Compressor	Type	Twin Rotary				
	Compressor Quantity	8	8	8	8	8
Refrigerant	Type	R410A				
	Pre-charged Quantity	45.6	45.6	45.6	45.6	45.6
Weight	Net Weight	1436	1445	1456	1465	1476
	Gross Weight	1532	1551	1552	1571	1572
Dimensions	External(HxWxD)	1730x (1350+1350+1600+1600) x750	1730x (1350+1600+1600+1600) x750	1730x (1350+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750
	Packing(HxWxD)	1950x (1420+1420+1665+1665) x790	1950x (1420+1665+1665+1665) x790	1950x (1420+1665+1665+1665) x790	1950x (1665+1665+1665+1665) x790	1950x (1665+1665+1665+1665) x790
Cabinet Color		Ivory White				
Ref. Piping	Gas	mm	φ50.8	φ50.8	φ50.8	φ50.8
		inch	2	2	2	2
	Liquid	mm	φ25.4	φ25.4	φ25.4	φ25.4
		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 <sup>2</sup>	Cooling	DB	-5°C-54°C	-5°C-54°C	-5°C-54°C	-5°C-54°C
	Heating	WB	-21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C	-21°C-16.5°C

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°C DB 19°C WB, outdoor ambient temperature 35°C DB; Heating operation: indoor air inlet temperature 20°C DB, outdoor ambient temperature 7°C DB 6°C WB.  
 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.  
 \*: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.  
 \*\*: When the operation temperature is under 48°C DB ~ 54°C DB, the system may be in intermittent operation. Please contact with our professional engineer.

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



RELIABILITY  
EFFICIENCY  
COMFORT  
FLEXIBILITY  
OUTDOOR UNIT  
INDOOR UNIT  
CONTROL SYSTEM  
ACCESSORY