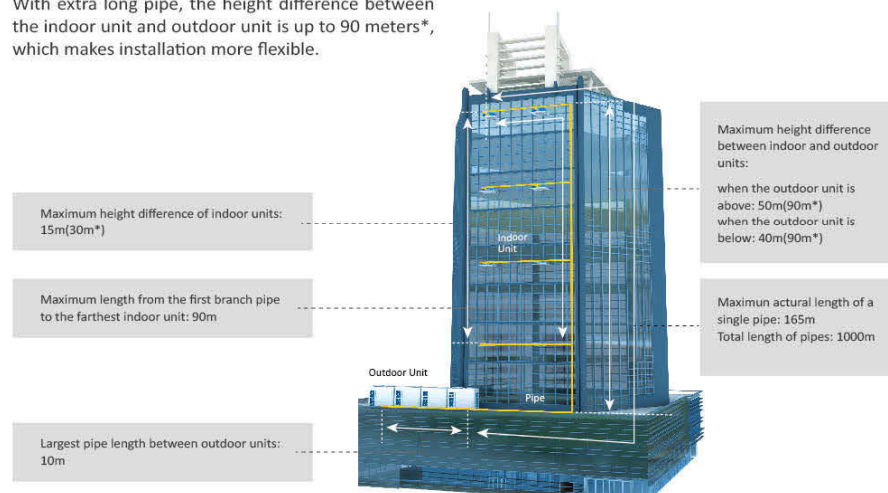


Hi-FLEXi X Series



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-114UESRX	AVWT-136UESRX	AVWT-154UESRX
	Modules	—	—	—	—	—
Cooling	Power Supply	AC 3Φ, 380-415V/50Hz				
	Capacity	kW	22.4	28.0	33.5	40.0
	Capacity	kBtu/h	76.5	95.6	114.3	136.5
	Power Input	kW	5.25	7.31	8.57	11.05
	EER	kW/kW	4.27	3.83	3.91	3.62
Heating	Capacity	kW	25.0	31.5	37.5	45.0
	Capacity	kBtu/h	85.3	107.5	128.0	153.5
	Power Input	kW	5.62	7.61	8.89	11.08
	COP	kW/kW	4.45	4.14	4.22	4.06
Ventilation	Air Flow Rate	m³/min	155	170	175	190
	Fan Quantity		1	1	1	1
	Static Pressure	Pa	85	85	85	85
Sound	Sound Pressure Level	dB(A)	62/54	64/55	64/56	65/57
				Scroll		
Compressor	Type					
	Compressor Quantity	PC	1	1	1	1
Refrigerant	Type			R410A		
	Pre-charged Quantity	kg	6.5	6.5	9.0	10.5
Weight	Net Weight	kg	197	197	224	247
	Gross Weight	kg	223	223	248	272
Dimensions	External (H×W×D)	mm	1720×950×750	1720×950×750	1720×1210×750	1720×1210×750
	Packing (H×W×D)	mm	1882×1018×828	1882×1018×828	1882×1278×828	1882×1278×828
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ19.05	Φ22.2	Φ25.4	Φ28.6
	Liquid	mm	Φ9.53	Φ9.53	Φ12.7	Φ12.7
Connectable Indoor Units	Quantity	PC	13	16	19	23
	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'*)
	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'*)
			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-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-114UESX	AVWT-96UESRX AVWT-114UESX	AVWT-114UESX AVWT-114UESX	AVWT-114UESX AVWT-136UESX
Power Supply		AC 3Φ, 380-415V/50Hz				
Cooling	Capacity kW	50.4	56.0	61.5	67.0	73.5
	Capacity 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
	Capacity 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 m³/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	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)	1720× (950+1210)	1720× (950+1210)	1720× (1210+1210)	1720× (1210+1210)
	Packing (H×W×D) mm	—	—	—	—	—
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas mm	Φ28.6	Φ28.6	Φ28.6	Φ31.75	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	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

Hi-FLEXi X Series



HP		28HP	30HP	32HP	34HP	36HP
Model	Model	AVWT-268UESZX	AVWT-290UESZX	AVWT-307UESZX	AVWT-324UESZX	AVWT-343UESZX
	Modules	AVWT-114UESX AVWT-154UESX	AVWT-136UESX AVWT-154UESX	AVWT-154UESX AVWT-154UESX	AVWT-96UESRX AVWT-114UESX AVWT-114UESX	AVWT-114UESX AVWT-114UESX AVWT-114UESX
Power Supply		AC 3Φ, 380-415V/50Hz				
Cooling	Capacity kW	78.5	85.0	90.0	96.0	100.5
	Capacity 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
	Capacity 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 m³/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	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)	1720× (1210+1210)	1720× (1210+1210)	1720× (950+1210+1210)	1720× (1210+1210+1210)
	Packing (H×W×D) mm	—	—	—	—	—
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	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	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



HP		38HP	40HP	42HP	44HP	46HP
Model	Model	AVWT-36UESZX	AVWT-38GUESZX	AVWT-40UESZX	AVWT-42GUESZX	AVWT-44UESZX
	Modules	AVWT-114UESSX AVWT-114UESSX AVWT-136UESSX	AVWT-114UESSX AVWT-114UESSX AVWT-154UESSX	AVWT-114UESSX AVWT-136UESSX AVWT-154UESSX	AVWT-114UESSX AVWT-154UESSX AVWT-154UESSX	AVWT-136UESSX AVWT-154UESSX AVWT-154UESSX
	Power Supply	AC 3Φ, 380-415V/50Hz				
Cooling	Capacity	107.0	113.0	118.5	123.5	130.0
	kW	365.1	385.6	404.3	421.1	443.6
	Power Input	28.19	30.30	32.78	34.89	37.37
	EER	3.80	3.73	3.62	3.54	3.48
Heating	Capacity	120.0	125.0	132.5	137.5	145.0
	kW	409.5	426.6	452.1	469.2	494.7
	Power Input	28.86	30.25	32.44	33.83	36.02
	COP	4.16	4.13	4.08	4.06	4.03
Ventilation	Air Flow Rate	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	85	85	85	85	85
Sound	Sound Pressure Level	71/64	71/64	71/64	72/65	72/65
Compressor	Type	-	-	Scroll	-	-
	Compressor Quantity	PC	1+1+1	1+1+1	1+1+1	1+1+1
Refrigerant	Type	-	-	R410A	-	-
	Pre-charged Quantity	kg	27.0	28.5	28.5	30.0
Weight	Net Weight	kg	224+224+227	224+224+247	224+227+247	224+247+247
	Gross Weight	kg	248+248+250	248+248+272	248+250+272	248+272+272
Dimensions	External (HxWxD)	mm	(1210+1210+1210) x750	(1210+1210+1210) x750	(1210+1210+1210) x750	(1210+1210+1210) x750
	Packing (HxWxD)	mm	—	—	—	—
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	Ivory 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	1-1/2
	Liquid	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05
	inch	3/4	3/4	3/4	3/4	3/4
Connectable	Quantity	PC	64	64	64	64
Indoor Units	Total Capacity	-	50-130%	50-130%	50-130%	50-130%
Piping Design	Height Difference Between ODU and IDU	m(above) m(below)	50 (90'') 40 (90'')	50 (90'') 40 (90'')	50 (90'') 40 (90'')	50 (90'') 40 (90'')
	Height Difference Between IDUs	m	15 (30'')	15 (30'')	15 (30'')	15 (30'')
	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
Operation Range	Heating	WB	-20°C~15°C	-20°C~15°C	-20°C~15°C	-20°C~15°C

Hi-FLEXi X Series



HP		48HP	50HP	52HP	54HP	56HP
Model	Model	AVWT-46GUESZX	AVWT-48GUESZX	AVWT-50GUESZX	AVWT-52GUESZX	AVWT-54GUESZX
	Modules	AVWT-154UESSX AVWT-154UESSX AVWT-154UESSX	AVWT-114UESSX AVWT-114UESSX AVWT-136UESSX	AVWT-114UESSX AVWT-114UESSX AVWT-136UESSX	AVWT-114UESSX AVWT-136UESSX AVWT-154UESSX	AVWT-114UESSX AVWT-136UESSX AVWT-154UESSX
	Power Supply	AC 3Φ, 380-415V/50Hz				
Cooling	Capacity	135.0	140.4	146.0	151.5	157.0
	kW	460.6	479.0	498.2	516.9	535.7
	Power Input	39.48	36.76	39.24	41.35	43.46
	EER	3.42	3.82	3.72	3.66	3.61
Heating	Capacity	150.0	156.5	163.0	169.0	175.0
	kW	511.8	534.0	556.2	576.6	597.1
	Power Input	37.41	37.75	39.94	41.33	42.72
	COP	4.01	4.15	4.08	4.09	4.10
Ventilation	Air Flow Rate	190+190+190	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	85	85	85	85	85
Sound	Sound Pressure Level	72/65	73/66	73/66	73/66	73/66
Compressor	Type	-	-	Scroll	-	-
	Compressor Quantity	PC	1+1+1	1+1+1+1	1+1+1+1	1+1+1+1
Refrigerant	Type	-	-	R410A	-	-
	Pre-charged Quantity	kg	31.5	36.0	36.0	37.5
Weight	Net Weight	kg	247+247+247	224+224+224+227	224+224+227+227	224+224+227+247
	Gross Weight	kg	272+272+272	248+248+248+250	248+248+250+250	248+248+250+272
Dimensions	External (HxWxD)	mm	(1210+1210+1210) x750	(1210+1210+1210+1210) x750	(1210+1210+1210+1210) x750	(1210+1210+1210+1210) x750
	Packing (HxWxD)	mm	—	—	—	—
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ38.1	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
	inch	3/4	7/8	7/8	7/8	7/8
Connectable	Quantity	PC	64	64	64	64
Indoor Units	Total Capacity	-	50-130%	50-130%	50-130%	50-130%
Piping Design	Height Difference Between ODU and IDU	m(above) m(below)	50 (90'') 40 (90'')	50 (90'') 40 (90'')	50 (90'') 40 (90'')	50 (90'') 40 (90'')
	Height Difference Between IDUs	m	15 (30'')	15 (30'')	15 (30'')	15 (30'')
	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
Operation Range	Heating	WB	-20°C~15°C	-20°C~15°C	-20°C~15°C	-20°C~15°C

Hi-FLEXi X Series



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
			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	627.7	649.8	665.3	687.4
	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	m³/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
Sound	Static Pressure	Pa	85	85	85	85
	Sound Pressure Level	dB(A)	74/67	74/67	74/67	74/67
Compressor	Type	-	Scroll			
	Compressor Quantity	PC	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
			1720x	1720x	1720x	1720x
Dimensions	External (H×W×D)	mm	(1210+1210+1210+1210) x750	(1210+1210+1210+1210) x750	(1210+1210+1210+1210) x750	(1210+1210+1210+1210) x750
	Packing(H×W×D)	mm	—	—	—	—
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	PC	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℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃
	Heating	WB	-20℃~15℃	-20℃~15℃	-20℃~15℃	-20℃~15℃

NOTES:

1. Rated cooling capacity 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
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3. The final appearance of outdoor units is subject to the actual products.
4. For 4 modular combination please contact manufacture for special design.
5. When the cooling operation temperature is over 52°C, please contact our professional engineer.