



ACCESSORY

COMFORT
AIR SOLUTION

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Piping Connection Kit



Manifold Pipe (For outdoor unit)

For Hi-FLEXi S Series--Heat Recovery

Outdoor Unit	AVWT-216*	AVWT-240-336*	AVWT-360-384*	AVWT-408-456*
Manifold Pipe1	HFQ-M202F	HFQ-M212F	HFQ-M302F	HFQ-M302F
Manifold Pipe2	—	—	—	HFQ-M212F

For Hi-FLEXi S Series--Heat Pump

Outdoor Unit	AVWT-216-384*	AVWT-408-456*
Manifold Pipe1	HFQ-M32F	HFQ-M32F
Manifold Pipe2	—	HFQ-M32F

For Hi-FLEXi W Series Heat Pump

Outdoor Unit	AVWT-144-216*	AVWT-240-288*
Manifold Pipe1	HFQ-242F	HFQ-302F
Manifold Pipe2	—	HFQ-242F

Branch Pipe(For indoor unit)

First Branch Pipe

For Hi-FLEXi S Series--Heat Recovery

Outdoor Unit	AVWT-72-96*	AVWT-120-168*	AVWT-192-216*	AVWT-240-336*	AVWT-360-456*
Branch Pipe	HFQ-M282F	HFQ-M452F	HFQ-M562F	HFQ-M692F	HFQ-M902F

For Hi-FLEXi S Series--Heat Pump

Outdoor Unit	AVWT-72-96*	AVWT-120-168*	AVWT-192-216*	AVWT-240-336*	AVWT-360-456*
Branch Pipe	HFQ-102F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-462F

Piping Connection Kit

For Hi-FLEXi W Series Heat Pump

Outdoor Unit	AVWT-76-96*	AVWT-144-216*	AVWT-234-288*
Branch Pipe	HFQ-102F	HFQ-242F	HFQ-302F

First Branch Pipe-Last Branch Pipe

For Hi-FLEXi S Series--Heat Recovery

Total Indoor Unit Capacity(kBtu/h)	Q < 54	54 ≤ Q < 86	86 ≤ Q < 114	114 ≤ Q < 154	154 ≤ Q < 170	170 ≤ Q < 212
Low Pressure Gas	Φ 5/8(15.88)	Φ 3/4(19.05)	Φ 7/8(22.2)	Φ 1(25.4)	Φ 1-1/8(28.6)	Φ 1-1/8(28.6)
High/Low Pressure Gas	Φ 1/2(12.7)	Φ 5/8(15.88)	Φ 3/4(19.05)	Φ 7/8(22.2)	Φ 7/8(22.2)	Φ 7/8(22.2)
Liquid	Φ 3/8(9.53)	Φ 3/8(9.53)	Φ 3/8(9.53)	Φ 1/2(12.7)	Φ 1/2(12.7)	Φ 5/8(15.88)
Branch Pipe	HFQ-M142F	HFQ-M282F	HFQ-M282F	HFQ-M452F	HFQ-M562F	HFQ-M562F

Total Indoor Unit Capacity(kBtu/h)	212 ≤ Q < 250	250 ≤ Q < 344	344 ≤ Q < 544	544 ≤ Q < 552	552 ≤ Q < 654	654 ≤ Q
Low Pressure Gas	Φ 1-1/8(28.6)	Φ 1-1/4(31.75)	Φ 1-1/2(38.1)	Φ 1-5/8(41.3)	Φ 1-3/4(44.5)	Φ 2(50.8)
High/Low Pressure Gas	Φ 1(25.4)	Φ 1-1/8(28.6)	Φ 1-1/4(31.75)	Φ 1-1/2(38.1)	Φ 1-5/8(41.3)	Φ 1-3/4(44.5)
Liquid	Φ 5/8(15.88)	Φ 3/4(19.05)	Φ 3/4(19.05)	Φ 7/8(22.2)	Φ 7/8(22.2)	Φ 1(25.4)
Branch Pipe	HFQ-M692F	HFQ-M692F	HFQ-M902F	HFQ-462XF	HFQ-462XF	HFQ-682XF

For Hi-FLEXi S Series--Heat Pump

Total Indoor Unit Capacity(kBtu/h)	Q < 54	54 ≤ Q < 86	86 ≤ Q < 114	114 ≤ Q < 154	154 ≤ Q < 170	170 ≤ Q < 250
Gas(mm)	Φ 5/8(15.88)	Φ 3/4(19.05)	Φ 7/8(22.2)	Φ 1(25.4)	Φ 1-1/8(28.6)	Φ 1-1/8(28.6)
Liquid(mm)	Φ 3/8(9.53)	Φ 3/8(9.53)	Φ 3/8(9.53)	Φ 1/2(12.7)	Φ 1/2(12.7)	Φ 5/8(15.88)
Branch Pipe	HFQ-102F	HFQ-102F	HFQ-102F	HFQ-162F	HFQ-162F	HFQ-242F

Total Indoor Unit Capacity(kBtu/h)	250 ≤ Q < 344	344 ≤ Q < 544	544 ≤ Q < 552	552 ≤ Q < 654	654 ≤ Q
Gas(mm)	Φ 1-1/4(31.75)	Φ 1-1/2(38.1)	Φ 1-5/8(41.3)	Φ 1-3/4(44.5)	Φ 2(50.8)
Liquid(mm)	Φ 3/4(19.05)	Φ 3/4(19.05)	Φ 7/8(22.2)	Φ 7/8(22.2)	Φ 1(25.4)
Branch Pipe	HFQ-302F	HFQ-302F	HFQ-462F	HFQ-462F	HFQ-682F

For Hi-FLEXi W Series Heat Pump

Total Indoor Unit Capacity(kBtu/h)	Q < 57	57 ≤ Q < 86	86 ≤ Q < 114	114 ≤ Q < 154	154 ≤ Q < 172	172 ≤ Q < 249	249 ≤ Q
Gas(mm)	Φ 5/8(15.88)	Φ 3/4(19.05)	Φ 7/8(22.2)	Φ 1(25.4)	Φ 1-1/8(28.6)	Φ 1-1/8(28.6)	Φ 1-1/4(31.75)
Liquid(mm)	Φ 3/8(9.53)	Φ 3/8(9.53)	Φ 3/8(9.53)	Φ 1/2(12.7)	Φ 1/2(12.7)	Φ 5/8(15.88)	Φ 3/4(19.05)
Branch Pipe	HFQ-102F	HFQ-102F	HFQ-102F	HFQ-162F	HFQ-162F	HFQ-242F	HFQ-302F

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Last Branch Pipe~Indoor unit

Indoor unit	Pipe Size in.(mm)		Max. Liquid Pipe Length ft.(m)
	Gas Pipe	Liquid Pipe	
7kBTu/h~14kBTu/h	Φ 1/2(12.7)	Φ 1/4(6.35)	49ft.(15m)
17kBTu/h~18kBTu/h	Φ 5/8(15.88)	Φ 1/4(6.35)*1	49ft.(15m)
22kBTu/h~54kBTu/h	Φ 5/8(15.88)	Φ 3/8(9.53)	131ft.(40m)
76kBTu/h	Φ 3/4(19.05)	Φ 3/8(9.53)	131ft.(40m)
96kBTu/h	Φ 7/8(22.2)	Φ 3/8(9.53)	131ft.(40m)

Note: When liquid pipe length of indoor unit(07~18kBTu/h) is more than 49ft.(15m), please change the liquid pipe dimension from Φ 1/4(6.35) into Φ 3/8(9.53).

3D Air-flow Panel



Panel Model	Applicable Models	Outer Dimensions (H × W × D)	Interface Dimension (H × W × D)
HPE-TZA750DN3	0.6~1.2Ton	180 × 950 × 70(mm) 7 × 37 × 3(in.)	750 × 130(mm) 30 × 5(in.)
HPE-TZA1020DN3	1.4~2.0Ton	180 × 1,220 × 70(mm) 7 × 48 × 3(in.)	1,020 × 130(mm) 40 × 5(in.)

Note:For Ceiling Ducted Type (DC Low-height).

Drain Pump—Optional

Model	Power supply	MAX. Lift	Applicable models	HPS-F134E* HPS-F364E*	HPS-151
HPS-F134E*	AC 208/230V/60Hz	1200(mm) 48(in.)	For Ceiling duct type(0.6~2.0Ton)		
HPS-151	AC 220~240V/60Hz	600(mm) 24(in.)	External type, for general purpose(0.6~8.0Ton)		
HPS-F364E*	AC 208/230V/60Hz	1200(mm) 48(in.)	For Ceiling duct type(2.3~4.5Ton)		

Note:For High Static Pressure Ceiling Ducted Type only.

Hi-Motion

Model	Applicable Models	Picture
HCM-S01E	All indoor unit except 4-way cassette type and mini 4-way cassette type	

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Motion Sensor

Model	Applicable Models	Picture
HPS-MACN	Mini 4-way cassette type	
HCM-01E	4-Way cassette type	

Fresh Air Duct Adapter

Model	Applicable Models	Picture
HFL-56CSA	4-Way cassette type and mini 4-way cassette type	

Humidity Sensor

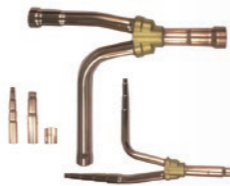
Model	Applicable Models	Picture
HCHR-S01E	4-Way cassette type, Console, Ceiling Ducted Type	

Filter

Filter model	Filter Dimension	Frame Dimension	Suitable for IDUs	
HF-224L-FE	782 × 165mm (31 × 6in.)	1055 × 463mm (41 × 18in.)	AVD-76UX6SEH	AVD-76UX6SEL
HF-280L-FE	1050 × 165mm (41 × 6in.)	1245 × 463mm (49 × 18in.)	AVD-96UX6SFH	AVD-96UX6SFL

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Manifold Pipe Parameter

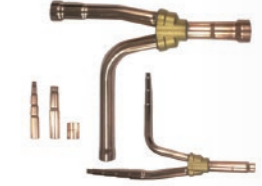


Model	Gas Line	Liquid Line	Reducer for Gas Line	Reducer for Liquid Line
HFQ-M22F				
HFQ-M32F				
HFQ-M462F				
HFQ-M682F				

Unit: in.(mm), ID: Inner Diamete,OD: Outer Diameter

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Branch Pipe Parameter

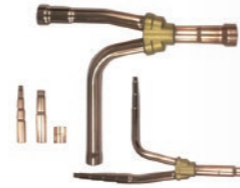


Model	Gas Line	Liquid Line	Reducer for Gas Line	Reducer for Liquid Line
HFQ-102F				
HFQ-162F				
HFQ-242F				
HFQ-302F				
HFQ-462F				
HFQ-682F				

Unit: in.(mm), ID: Inner Diamete,OD: Outer Diameter

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Branch Pipe Parameter

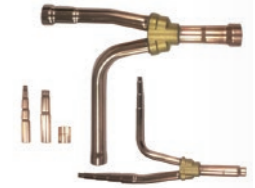


Model	Low Pressure Gas Line	High Pressure Gas Line	Liquid Line	Reducer for Low Pressure Gas Line	Reducer for High Pressure Gas Line	Reducer for Liquid Line
HFQ-M202F						—
HFQ-M212F						—
HFQ-M302F						—

Unit: in.(mm), ID: Inner Diameter, OD: Outer Diameter

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Branch Pipe Parameter



Model	Low Pressure Gas Line	High Pressure Gas Line	Liquid Line	Reducer for Low Pressure Gas Line	Reducer for High Pressure Gas Line	Reducer for Liquid Line
HFQ-M142F				—	—	
HFQ-M282F				—	—	
HFQ-M452F						
HFQ-M562F						
HFQ-M692F						
HFQ-M902F						

Unit: in.(mm), ID: Inner Diameter, OD: Outer Diameter