

U-Match Light Commercial Single-Zone Heat Pump Systems

Large Capacity Single-Zone Heat Pump Systems - 18K - 48K BTU - Up to 20 SEER

System is single-zone (one condenser to one indoor unit), but outdoor unit can be freely connected to 3 different types of indoor units according to various indoor load and decoration requirements.



R-410A



- Highly reliable compressor which is capable of operating under extreme conditions.
- Dual ambient temperature sensor design delivers precision temperature monitoring.
- Power delay control design dramatically reduces start-up current.

Key Features	
Maximum # of Indoor Units	1 to 1 match
Maximum Pipe Length ft./m	164ft./50m
Ph-V-Hz	1-208/230-60
Cooling/Heating Range F(C)	0°F(-18°C)/0°F(-18°C)



U-Match Light Commercial Single-Zone Heat Pump Systems

Ducted Unit

- Flexible design for installation, the air return can be either from the bottom or rear, as well as the alternative condensate connections.
- Optimized air duct design improves the performance and lowers noise.

Cassette Type

- Drain pump fitted as standard with increased lift of 1000mm (39 inches).
- Special low noise fan design.
- Adjustable swing angle design for cooling and heating mode provides better comfort.

Floor/Ceiling Type

- 3-D air flue design.
- Easy replacement of motor and fan blade thanks to clamp block propeller design.
- Different swing angle design for cooling and heating mode provides better comfort.

U-Match Line Set Sizing Information

Outdoor Unit Model	Outdoor Unit SKU	Indoor Unit Model	Indoor Unit SKU	"Liquid" Pipe	Gas Pipe
GXH18(5.3)USV4DH	1009444	GDU18(5.3)USV4DH	1009450	1/4"	1/2"
		GKU18(5.3)USV4DH	1009462		
		GFU18(5.3)USV4DH	1009456		
GXH24(7.0)USV4DH	1009445	GDU24(7.0)USV4DH	1009451	3/8"	5/8"
		GKU24(7.0)USV4DH	1009463		
		GFU24(7.0)USV4DH	1009457		
GXH36(10.6)USV4DH	1009447	GDU36(10.6)USV4DH	1009453	3/8"	5/8"
		GKU36(10.6)USV4DH	1009465		
		GFU36(10.6)USV4DH	1009459		
GXH48(14.1)USV4DH	1009449	GDU48(14.1)USV4DH	1009455	3/8"	5/8"
		GKU48(14.1)USV4DH	1009467		
		GFU48(14.1)USV4DH	1009461		

U-Match Light Commercial Single-Zone Heat Pump Systems

U-Match Lineup - one to one match-up.



R-410A

Capacity Index (Btu/h)		18K	24K
Outdoor Unit		 GXH18(5.3)USV4DH	 GXH24(7.0)USV4DH
Indoor Unit	Ducted	 GDU18(5.3)USV4DH	 GDU24(7.0)USV4DH
	Cassette	 GKU18(5.3)USV4DH	 GKU24(7.0)USV4DH
	Floor/Ceiling	 GFU18(5.3)USV4DH	 GFU24(7.0)USV4DH

Capacity Index (Btu/h)		36K	48K
Outdoor Unit		 GXH36(10.6)USV4DH	 GXH48(14.1)USV4DH
Indoor Unit	Ducted	 GDU36(10.6)USV4DH	 GDU48(14.1)USV4DH
	Cassette	 GKU36(10.6)USV4DH	 GKU48(14.1)USV4DH
	Floor/Ceiling	 GFU36(10.6)USV4DH	 GFU48(14.1)USV4DH

U-Match Light Commercial Single-Zone Heat Pump Systems

Heat Pump - 18K to 48K BTU



R-410A

Model	Outdoor Unit		GXH18(5.3)USV4DH		
	Indoor Unit		GDU18(5.3)USV4DH	GKU18(5.3)USV4DH	GFU18(5.3)USV4DH
Function			Ducted	Cassette	Floor Ceiling
Capacity					
Cooling	Btu/h	17100			
Heating	Btu/h	18800	18400	19100	
SEER/HSPF	Btu/h	16.0/9.5	16.0/9.0	17.0/9.5	
Electrical Data/Refrigerant Charge					
Power Supply	Ph-V-Hz	1-208/230-60			
Maximum Over Current Protection	A	25			
Minimum Current (MCA)	A	17			
Refrigerant Charge Volume	kg/oz	1.4/49.4			
Indoor Unit					
Airflow Volume	CFM	585	445	585	
	m3/h	1000	760	1000	
External Static Pressure	Rated Inch	WC	.1	—	
	Maximum Inch	WC	.12	—	
Sound Pressure Level (H/M/L)		dB(A)	39/36/28	46/44/37	42/38/32
Outline Dimension	WxDxH	mm	1037 x 721 x 266	665 x 596 x 240	1220 x 700 x 225
Package Dimension	WxDxH	mm	1123 x 798 x 323	773 x 733 x 300	1343 x 823 x 315
Net Weight/Gross Weight	Indoor	kg	33.0/38.0	20.0/24.0	39.0/48.0
Panel					
Outline Dimension	WxDxH	mm	—	670 x 670 x 50	—
Package Dimension	WxDxH	mm	—	763 x 763 x 105	—
Net Weight/ Gross Weight		kg	—	3.5/5.0	—
Outdoor Unit					
Sound Pressure Level (H/M/L)		dB(A)	56/—/—		
Outline Dimension	(WxDxH)	mm	955 x 396 x 700		
Package Dimension	(LxWxH)	mm	1029 x 458 x 750		
Net Weight/ Gross Weight		kg	48.0/52.0		
Connecting Pipe Diameter					
Outdoor Diameter	Suction Pipe	inch (mm)	1/2 (12)		
	Liquid Pipe	inch (mm)	1/4 (6)		
Maximum Distance	Height/Length	m	15/50		
Accessories					
Line Set 25 Feet SKU Number with Wire			05-0202		

Note: Line Sets 25 feet or less require no additional refrigerant.

U-Match Light Commercial Single-Zone Heat Pump Systems

Heat Pump - 18K to 48K BTU (continued)



R-410A

Model	Outdoor Unit		GXH24(7.0)USV4DH		
	Indoor Unit		GDU24(7.0)USV4DH	GKU24(7.0)USV4DH	GFU24(7.0)USV4DH
Function			Ducted	Cassette	Floor Ceiling
Capacity					
Cooling	Btu/h		23800		
Heating	Btu/h		27200		
SEER/HSPF	Btu/h		16.0/10.0	18.0/10.0	16.0/10.0
Electrical Data/Refrigerant Charge					
Power Supply	Ph-V-Hz		1-208/230-60		
Maximum Over Current Protection	A		40		
Minimum Current (MCA)	A		24		
Refrigerant Charge Volume	kg/oz		2.2/77.6		
Indoor Unit					
Airflow Volume	CFM		820	765	705
	m3/h		1400	1300	1200
External Static Pressure	Rated Inch	WC	.1	—	
	Maximum Inch	WC	.3	—	
Sound Pressure Level (H/M/L)	dB(A)		46/44/40	46/42/38	48/46/40
Outline Dimension	WxDxH	mm	1279 x 558 x 268	917 x 840 x 240	1220 x 700 x 225
Package Dimension	WxDxH	mm	1348 x 597 x 283	1148 x 958 x 340	1343 x 823 x 315
Net Weight/Gross Weight	Indoor	kg	34.0/39.0	27.0/38.0	40.0/50.0
Panel					
Outline Dimension	WxDxH	mm	—	952 x 952 x 60	—
Package Dimension	WxDxH	mm	—	1033 x 1038 x 133	—
Net Weight/ Gross Weight	kg		—	7.0/11.0	—
Outdoor Unit					
Sound Pressure Level (H/M/L)	dB(A)		57/—/—		
Outline Dimension	(WxDxH)	mm	980 x 427 x 790		
Package Dimension	(LxWxH)	mm	1083 x 488 x 855		
Net Weight/ Gross Weight	kg		69.0/74.0		
Connecting Pipe Diameter					
Outdoor Diameter	Suction Pipe	inch (mm)	5/8 (16)		
	Liquid Pipe	inch (mm)	3/8 (9.52)		
Maximum Distance	Height/Length	m	15/50		
Accessories					
Line Set 25 Feet SKU Number with Wire			05-0204		

Note: Line Sets 25 feet or less require no additional refrigerant.



U-Match Light Commercial Single-Zone Heat Pump Systems

Heat Pump - 18K to 48K BTU (continued)



R-410A

Model	Outdoor Unit		GXH36(10.6)USV4DH		
	Indoor Unit		GDU36(10.6)USV4DH	GKU36(10.6)USV4DH	GFU36(10.6)USV4DH
Function			Ducted	Cassette	Floor Ceiling
Capacity					
Cooling		Btu/h		34000	
Heating		Btu/h		41000	
SEER/HSPF		Btu/h/W		16.0/9.0	
Electrical Data/Refrigerant Charge					
Power Supply		Ph-V-Hz		1-208/230-60	
Maximum Over Current Protection		A		45	
Minimum Current (MCA)		A		29	
Refrigerant Charge Volume		kg/oz		3.5/123.5	
Indoor Unit					
Airflow Volume		CFM	175	1095	1115
		m3/h	2000	1860	1900
External Static Pressure	Rated Inch	WC	.148	—	—
	Maximum Inch	WC	.4	—	—
Sound Pressure Level (H/M/L)		dB(A)	52/48/44	49/46/43	53/51/46
Outline Dimension	WxDxH	mm	1226 x 775 x 290	917 x 840 x 320	1420 x 700 x 245
Package Dimension	WxDxH	mm	1338 x 877 x 305	1148 x 958 x 420	1548 x 828 x 345
Net Weight/Gross Weight	Indoor	kg	46.0/53.0	32.0/44.0	48.0/56.0
Panel					
Outline Dimension	WxDxH	mm	—	952 x 952 x 60	—
Package Dimension	WxDxH	mm	—	1033 x 1038 x 133	—
Net Weight/ Gross Weight		kg	—	7.0/11.0	—
Outdoor Unit					
Sound Pressure Level (H/M/L)		dB(A)		63/—/—	
Outline Dimension	(WxDxH)	mm		1107 x 440 x 1100	
Package Dimension	(LxWxH)	mm		1158 x 493 x 1235	
Net Weight/ Gross Weight		kg		93.0/101.0	
Connecting Pipe Diameter					
Outdoor Diameter	Suction Pipe	inch (mm)	5/8 (16)		
	Liquid Pipe	inch (mm)	3/8 (9.52)		
Maximum Distance	Height/Length	m	15/50		
Accessories					
Line Set 25 Feet SKU Number with Wire			05-0204		

Note: Line Sets 25 feet or less require no additional refrigerant.



U-Match Light Commercial Single-Zone Heat Pump Systems

Heat Pump - 18K to 48K BTU (continued)



R-410A


Model	Outdoor Unit		GXH48(14.1)USV4DH		
	Indoor Unit		GDU48(14.1)USV4DH	GKU48(14.1)USV4DH	GFU48(14.1)USV4DH
Function			Ducted	Cassette	Floor Ceiling
Capacity					
Cooling	Btu/h		48000		
Heating	Btu/h		54500		
SEER/HSPF	Btu/h/W		16.0/9.0		
Electrical Data/Refrigerant Charge					
Power Supply	Ph-V-Hz		1-208/230-60		
Maximum Over Current Protection	A		70		
Minimum Current (MCA)	A		45		
Refrigerant Charge Volume	kg/oz		4.0/141.1		
Indoor Unit					
Airflow Volume	CFM		1470	1350	
	m3/h		2500	2300	
External Static Pressure	Rated Inch	WC	.2	—	
	Maximum Inch	WC	.5	—	
Sound Pressure Level (H/M/L)	dB(A)		53/49/45	52/47/41	55/50/46
Outline Dimension	WxDxH	mm	1340 x 750 x 350	910 x 910 x 290	1700 x 700 x 245
Package Dimension	WxDxH	mm	1423 x 837 x 455	1023 x 993 x 375	1828 x 828 x 345
Net Weight/Gross Weight	Indoor	kg	56.0/65.0	43.0/50.0	59.0/68.0
Panel					
Outline Dimension	WxDxH	mm	—	1040 x 1040 x 65	—
Package Dimension	WxDxH	mm	—	1137 x 1137 x 140	—
Net Weight/ Gross Weight	kg		—	8.0/12.0	—
Outdoor Unit					
Sound Pressure Level (H/M/L)	dB(A)		59/—/—		
Outline Dimension	(WxDxH)	mm	958 x 412 x 1349		
Package Dimension	(LxWxH)	mm	1043 x 453 x 1500		
Net Weight/ Gross Weight	kg		105.0/115.0		
Connecting Pipe Diameter					
Outdoor Diameter	Suction Pipe	inch (mm)	5/8 (16)		
	Liquid Pipe	inch (mm)	3/8 (9.52)		
Maximum Distance	Height/Length	m	15/70		
Accessories					
Line Set 25 Feet SKU Number with Wire			05-0204		

Note: Line Sets 25 feet or less require no additional refrigerant.



U-Match Light Commercial Single-Zone Heat Pump Systems

Control System Lineup

Controlling System	Product Series	Ducted Type	Cassette Type	Floor Ceiling Type
Wireless Remote Control	WLRC2 (U-Match) SKU Number 1007702			
Wired Control	WRC2 (U-Match) SKU Number 1008355			

Note: ● standard ● optional