



# Comfort at it's best

- MULTI-ZONE HEAT PUMPS -



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Mini split heat pumps with Inverter technology from Direct Air now offer more installation possibilities that answer the special needs of condos or light commercial applications. In addition to the popular wall units, Direct Air proposes 3 other types of Inverter units with elegant and subtle design which will fulfill your needs for cooling and heating.



When you need to cool or heat more than one room, you don't have to install a separate system. You can choose our multi-zone models which will heat or cool many rooms by matching up to 5 indoor units to different outdoor units.

Each system uses an outdoor unit connected to multiple indoor units and each of them is independently controlled to meet specific comfort needs. No complicated system or control is

necessary to heat or cool separate rooms. The temperature setting is simply adjusted with the remote or wall control supplied with each unit.

*Indoor units are available in capacities of heating/cooling of 9,000 Btu/h to 24,000 Btu/h.*

# WALL UNITS

## CS11M SERIES



Wall units are ready to receive the USB device for Wi-Fi option.



Model	CS11M-09HRFN1-MX0W(A)	CS11M-12HRFN1-MU5W	CS11M-18HRFN1-MT0W	CS11M-23HRFN1-MT0W
Cooling Capacity Min/Max (Btu/h)	3500 - 13000	4500 - 14000	6500 - 20000	9500 - 29000
Heating Capacity Min/Max (Btu/h)	4000 - 17500	4500 - 18000	7000 - 27000	9500 - 32000
Refrigerant	R410A			
Voltage	208-230V 1Ph/60HZ			
Control	Remote			
Air Flow H-M-L (CFM)	418 / 324 / 247	418 / 324 / 247	599 / 411 / 253	794 / 647 / 500
Fan Speeds	Hi-Med-Low	Hi-Med-Low	Hi-Med-Low	Hi-Med-Low
Noise H-M-L (dB)	42/33/24,5	43/36/24	45,5/36/26,5	47,5/44/36,5
Width(mm/in)	835 / 32.75	835 / 32.75	990 / 39.0	1186 / 46.7
Height(mm/in)	280 / 11.0	280 / 11.0	315 / 12.4	340 / 13.4
Depth(mm/in)	198 / 7.75	198 / 7.75	218 / 8.6	258 / 10.2
Weight (Kg/lbs)	9 / 19,8	9 / 19,8	12,2 / 26,9	18,2 / 40,1
Line Sets	1/4" - 3/8"	1/4" - 1/2"	1/4" - 1/2"	3/8" - 5/8"

Due to Direct Air's policy of continuous product improvement specifications are subject to change without notice. \* These units can only be matched with the M40F or M50F compressors.

# DUCT UNIT



- Installs in the ceiling or attic to be very discreet
- Return air in back or under according to the type of installation
- Simple maintenance of the filter
- Allows an air intake from outside without using the heating or air conditioning functions
- Integrated condensate pump
- Remote control and programmable wall control included
- Electric coil option



DUCT UNIT			
Indoor unit		CTBU-09HWFN1-M(C)	CTBU-12HWFN1-M(C)*
Capacity			
Capacity (Btu/h)	Cooling	9 000	12 000
Capacity (Btu/h)	Heating	10 000	12 000
Performance			
Air Flow (cfm)	Hi/Med/Lo	335/290/240	370/320/260
Noise Level (dB(A))	Hi/Med/Lo	39/37/33	40/38/33
Dimension & Weight			
Dimensions (mm)	W*H*D	700x210x635	700x210x635
Dimensions (inches)	W*H*D	27.56x8.27x25	27.56x8.27x25
Weight (kg)		18,1	18,1
Weight (lbs)		39,9	39,9
Piping Size (inches)	Liquid	1/4"	1/4"
Piping Size (inches)	Gas	3/8"	1/2"
DUCT UNIT			
Indoor unit		CTBU-18HWFN1-M(C)	CTBU-24HWFN1-M(C)
Capacity			
Capacity (Btu/h)	Cooling	18 000	24 000
Capacity (Btu/h)	Heating	18 000	24 000
Performance			
Air Flow (cfm)		520/430/360	820/620/520
Noise Level (dB(A))		36/34/30	50/46/45
Dimension & Weight			
Dimensions (mm)	L*H*P	920x210x635	920x270x635
Dimensions (inches)	L*H*P	36.22x8.27x25	36.22x10.63x25
Weight (kg)		23	26
Weight (lbs)		50,7	57,32
Piping Size (inches)	Liquid	1/4"	3/8"
Piping Size (inches)	Gas	1/2"	5/8"

# 4-WAY CASSETTE



- Compact design installs in a ceiling using hooks located in corners
- Built-in electric control E-Box allows easy installation and maintenance simply by opening the return air grid
- Elegant panel distributes air at 360° to maximize comfort
- Allows air intake from outside without using the heating or air conditioning functions
- Integrated condensate pump
- Remote control and wall control included
- Two round ducts can be installed to reach other rooms

4-WAY CASSETTE					
Indoor unit		CCA3U-09HRFN1-M(C)	CCA3U-12HRFN1-M(C)	CCA3U-18HRFN1-M(C)	MCDU-24HRFN1-M(C)*
Capacity					
Capacity (Btu/h)	Cooling	9 000	12 000	18 000	24 000
Capacity (Btu/h)	Heating	9 000	12 000	18 000	24 000
Performance					
Air Flow (cfm)		353/306/271	338/288/248	562/485/439	820/740/590
Noise Level (dB(A))	Hi/Med/Lo	41/39/37	41/38/35	46/43/41	51/47/43
Dimension & Weight					
Dimensions (mm)	W*H*D	570x260x570	570x260x570	570x260x570	840x205x840
Dimensions (inches)	inch	22.44x10.24x22.44	22.44x10.24x22.44	22.44x10.24x22.44	33.07x8.07x33.07
Weight (kg)		16	16	18	21
Weight (lbs)		35,27	35,27	39,68	46,3
Dimensions (mm)(Panel)	W*H*D	647x647x50	647x647x50	647x647x50	950x950x55
Dimensions (inches)(Panel)	inch	25.47x25.47x1.97	25.47x25.47x1.97	25.47x25.47x1.97	37.4x37.4x2.17
Piping Size (inches)	Liquid	1/4"	1/4"	1/4"	3/8"
Piping Size (inches)	Gas	3/8"	1/2"	1/2"	5/8"

\* These units can only be matched with the M40F or M50F compressors.

# CONSOLE

Modern design with simple lines that harmonize with your environment

Ultra quiet 3-speed DC fan motor, energy-efficient

Wide angle air diffusion.



CONSOLE			
Indoor unit		CFAU-09HRFN1-M(C)	CFAU-12HRFN1-M(C)
Capacity			
Capacity (Btu/h)	Cooling	9 000	12 000
Capacity (Btu/h)	Heating	10 000	12 000
Performance			
Air Flow (cfm)		374/342/289	365/318/248
Noise Level ( dB(A))	Hi/Med/Lo	45/41/35	45/41/35
Dimension & Weight			
Dimensions (mm)	W*H*D	700x210x600	700x210x600
Dimensions (inches)	inch	27.56x8.27x23.62	27.56x8.27x23.62
Weight (kg)		14,7	14,7
Weight (lbs)		32,41	32,41
Piping Size (inches)	Liquid	1/4"	1/4"
Piping Size (inches)	Gas	3/8"	1/2"



# OUTDOOR COMPRESSORS



	2 ZONES	3 ZONES	4 ZONES	5 ZONES
Outdoor units	M20F-18HFN1-M	M30F-27HFN1-M	M40F-36HFN1-M	M50F-45HFN1-M
Cooling Capacity Min/Max (Btu/h)	4500~21000	7000~33500	7000~41500	7000~53000
Heating Capacity Min/Max (Btu/h)	3000~24500	4000~36000	5000~42000	6000~55000
Max. Heating Capacity (Btu/h) @ -20°C	6479	12406	14133	19875
Refrigerant	R410A	R410A	R410A	R410A
Voltage	208-230V 1Ph/60HZ	208-230V 1Ph/60HZ	208-230V 1Ph/60HZ	208-230V 1Ph/60HZ
Minimum circuit ampacity	18.0	25.0	30.0	35.0
Max. Fuse	25.0	35.0	45.0	50.0
Noise (Db)	62,4	63,4	62,3	64
Width(mm/in)	845/33.27	946/37.24	946/37.24	952/37.48
Height(mm/in)	702/27.64	810/31.89	810/31.89	1333/52.48
Depth(mm/in)	363x/14.29	410/16.14	410/16.14	415/16.34
Weight (Kg/lbs)	48/105.82	68/149.91/	71/156.53	101.5/223.77
Piping Size (inches)Liquid side/ Gas side	2 X 1/4" - 3/8"	3 X 1/4" - 3/8"	4x1/4" - 3x3/8"+1x1/2"	5x1/4" - 3x3/8"+2x1/2"
Max Total Length (ft)( for all rooms)	98	148	197	246

FUNCTIONS IN TEMPERATURES AS LOW AS -25°C  
SOME COMBINATIONS ARE ENERGY STAR



# LIMITED WARRANTY

**DIRECT AIR** HEAT PUMPS HAVE A **5 YEAR**  
**LIMITED WARRANTY ON THE COMPRESSOR, 5**  
**YEARS ON PARTS AND 5 YEARS ON LABOUR** WHEN  
INSTALLED IN A MULTI-ZONE APPLICATION FOR  
**RESIDENTIAL DWELLINGS.**

1 YEAR WARRANTY ON COMPRESSOR AND 5 YEARS ON PARTS  
WHEN INSTALLED IN COMMERCIAL APPLICATIONS.



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