

# Capella MZ

## Ductless Multizone Heat Pump



Maximize your comfort with a Capella MZ series ductless heat pump. With support for up to five indoor units, it's the perfect choice to cool and heat multiple floors or rooms in your home.

Providing great heating performance in temperatures as low as -30 °C and a high air conditioning efficiency ratio, the Capella MZ heat pump will look after your comfort all year round. And you will see a return on your investment in no time at all.



### Features

#### Operation mode

- Cooling, heating, dehumidifying, fan and auto.

#### Nominal capacity

- 18000, 27000, 36000, 48000 BTU/hr.

#### Voltage

- 230/208V, 60 Hz, 1-phase.

#### Indoor unit

- High wall installation, dual side connection.
- Plastic housing, standard white.
- Cross-flow fan with selectable speed from 0% to 100% and 3 operation modes (turbo, auto and silence).
- Evaporator fins covered with hydrophilic coating for improved corrosion resistance.
- Washable filters.

#### Outdoor unit

- Variable speed rotary compressor (INVERTER), with PCB control protection.
- Electronic expansion valve for precise control of refrigerant flow.
- Condenser fins covered with a hydrophilic coating for improved corrosion resistance.
- Quiet axial-flow fan.
- Multi-hole pan with smart heater to prevent ice formation.
- Compressor blanket and preheating technology.
- Installation on aluminum wall bracket or ground stand (optional).

#### Connection piping

- Minimum piping length of 10 ft. (3 m).
- Flared connections.

#### Control

- Wireless remote with wall bracket included with each indoor unit.
- Set temperature: 16 to 32 °C (61 to 90 °F).
- Temperature display format: °C or °F.

#### Warranty

- 10-year basic warranty on parts and 10-year basic warranty on the compressor (labor not included).
- Labour warranty (sold separately) from the 1st to 10th year, on parts and labour with system replacement if the compressor fails.

#### Application

- Dining room-kitchen, living room, family room, commercial building, office building, condo, restaurant.



### Performance up to



Cooling

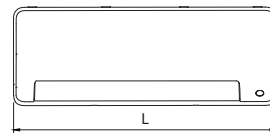


Heating

### Up to



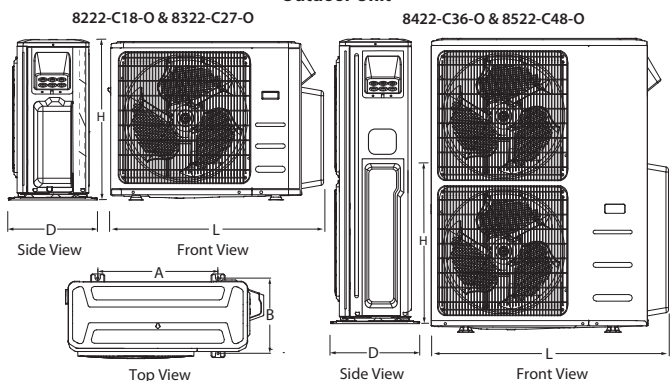
#### Indoor Unit



Front View

Side View

#### Outdoor Unit



Indoor Unit	L		H		D	
	in.	mm	in.	mm	in.	mm
8028-C09-I 8028-C12-I	31 5/16	795	11 5/8	295	8 7/8	225
8028-C18-I	38	965	12 9/16	319	9 7/16	239
8028-C24-I	44 7/8	1140	14 9/16	370	10 13/16	275

Outdoor Unit	L		H		D		A		B	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
8222-C18-O 8322-C27-O	37 1/4	946	31 7/8	810	16 1/8	410	26 1/2	673	15 7/8	403
8422-C36-O 8522-C48-O	37 1/2	952	52 1/2	1333	16 5/16	415	24 15/16	634	15 15/16	404

## Outdoor Unit Models

Product #		8222-C18-O	8322-C27-O	8422-C36-O	8522-C48-O	
<b>Technical Performance</b>						
Number of connectable indoor unit		-	1 to 2	2 to 3	2 to 4	2 to 5
Tension		Volts	230/208	230/208	230/208	230/208
Cooling capacity	Nominal	W (BTU/hr)	5572 (19000)	8211 (28000)	10557 (36000)	14076 (48000)
	Min. – max.	W (BTU/hr)	1613 - 1804 (5500 - 25000)	2344 - 9626 (7995 - 32826)	5249 - 12317 (17900 - 42000)	5660 - 14956 (19300 - 51000)
Heating capacity	Nominal	W (BTU/hr)	5882 (20000)	8211 (28000)	10704 (36500)	14370 (49000)
	Min. – max.	W (BTU/hr)	2375 - 8710 (8100 - 29700)	1477 - 10765 (5035 - 38712)	3666 - 14370 (12500 - 49000)	3372 - 17008 (11500 - 58000)
Used cooling power input	Nominal	W	1520	2240	2650	4150
	Min. – max.	W	230 - 2200	275 - 3493	740 - 4030	685 - 4700
Used heating power input	Nominal	W	1725	2240	2780	4000
	Min. – max.	W	640 - 2700	303 - 4074	770 - 5230	710 - 5800
MCA	A	20	25	40	42	
Max. over-current protection (MOCP)	A	25	40	50	50	
SEER (SEER2)	-	22 (22)	22.5 (23)	21.8 (22.2)	21.5 (21.8)	
HSPF (HSPF2)	-	10.2 (9.8)	11.3 (10.6)	11 (10.3)	11 (9.8)	
EER	W/W	12.5	12.5	13.6	11.6	
COP	W/W	3.40	3.66	3.85	3.59	
AHRI number	-	207590846	207590849	207657622	207590852	
ENERGY STAR	-	-	-	-	-	
Air flow volume	cfm	2129	2147	4500	4500	
Sound level	dB (A)	61	63	63	65	
Compressor power input	W	1895	2600	3040	3565	
Compressor LRA	A	-	-	-	-	
Compressor RLA	A	18	20	26	30	
Fan motor power output	W	150	150	126	126	
Fan motor RLA	A	-	-	-	-	
Refrigerant volume (R410A)	oz (g)	91.7 (2600)	134.04 (3800)	162 (4600)	162 (4600)	
Net weight	lb (kg)	138 (63)	168 (76)	223 (101)	238 (108)	
Operating ambient temperature	Cooling	°C (°F)	-30 to 50 (-22 to 122)			
	Heating	°C (°F)	-30 to 30 (-22 to 86)			
<b>Connection Piping/Refrigerant</b>						
Pre-charge length	ft. (m)	49 (15)	74 (22.5)	98 (30)	123 (37.5)	
Additional refrigerant charge	oz/ft. (g/m)	0.16 (15)	0.16 (15)	0.16 (15)	0.16 (15)	
Liquid pipe outer diameter	in.	1/4	1/4	1/4	1/4	
Gas pipe outer diameter	in.	3/8	3/8	3/8	3/8	
Max. height difference outdoor to indoor unit	ft. (m)	49 (15)	49 (15)	49 (15)	49 (15)	
Max. height difference between indoor units	ft. (m)	33 (10)	33 (10)	33 (10)	33 (10)	
Max. length outdoor to last indoor unit	ft. (m)	82 (25)	98 (30)	118 (35)	115 (35)	
Max. total length	ft. (m)	131 (40)	197 (60)	262 (80)	262 (80)	

## Indoor Unit Models

Product #		8028-C09-I	8028-C12-I	8028-C18-I	8028-C24-I	
Cooling capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)	5275 (18000)	7034 (24000)
	Min. – max.	W (BTU/hr)	967 - 4191 (3300 - 14300)	967 - 4191 (3300 - 14300)	2600 - 5687 (8870 - 19400)	2008 - 7913 (6850 - 27000)
Heating capacity	Nominal	W (BTU/hr)	3460 (11800)	3517 (12000)	5275 (18000)	8504 (29000)
	Min. – max.	W (BTU/hr)	1465 - 4455 (5000 - 15200)	1465 - 4484 (5000 - 15300)	4425 - 5715 (15100 - 19500)	3488 - 9085 (11900 - 31000)
Dehumidification		pt/hr (l/hr)	2.13 (1.14)	2.54 (1.44)	3.8 (2.16)	5.49 (3.13)
Air flow volume	H / M / L <sup>1</sup>	cfm	335 / 229 / 176	335 / 229 / 176	524 / 376 / 306	611 / 414 / 319
Sound level	H / M / L <sup>1</sup>	dB (A)	38 / 33.5 / 23.5	38 / 33.5 / 23.5	46 / 42 / 24	46 / 39 / 34
Fan motor power output		W	50	50	36	58
Fan motor RLA		A	0.25	0.25	0.4	0.5
Net weight		lb (kg)	23 (10.3)	23 (10.4)	27 (12.3)	44 (20)

<sup>1</sup> Cross-Flow Fan Speeds: (H) High (80%) / (M) Medium (60%) / (L) Low (40%).  
Note that each unit is individually packaged.

## Options

See Capella Options section

# Capella MZ

## To order

**1** Choose the outdoor unit based on the system capacity required.

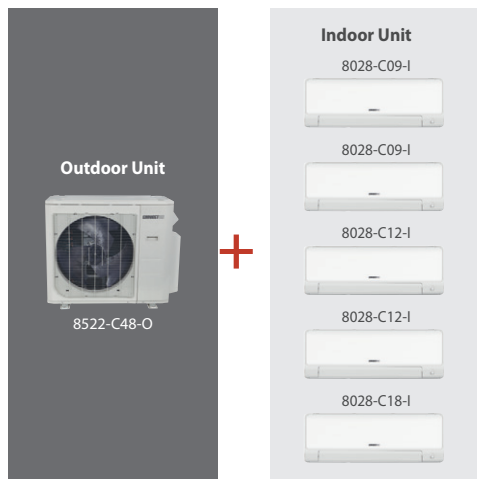
**2** Choose the appropriate indoor unit combination by referring to the combination table below.  
Refer to the legend to find the product # of the indoor units you want to order.

*Note that each unit is individually packaged.*

### Example:

Outdoor unit required: 8522-C48-O

Indoor unit combination chosen: 09 + 09 + 12 + 12 + 18



## Combination Table

Outdoor Unit	2 Indoor Units
8222-C18-O	09+09
	09+12
	12+12

Outdoor Unit	2 Indoor Units	3 Indoor Units
8322-C27-O	09+09	09+09+09
	09+12	09+09+12
	09+18	09+09+18
	12+12	09+12+12
	12+18	12+12+12
	18+18	

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units
8422-C36-O	09+18	09+09+09	09+09+09+09
	09+24	09+09+12	09+09+09+12
	12+12	09+09+18	09+09+09+18
	12+18	09+09+24	09+09+12+12
	12+24	09+12+12	09+09+12+18
	18+18	09+12+18	09+12+12+12
	18+24	09+12+24	12+12+12+12
	24+24	09+18+18	-
	-	12+12+12	-
	-	12+12+18	-
	-	12+12+24	-
	-	12+18+18	-

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units	5 Indoor Units
8522-C48-O	09+24	09+09+18	09+09+09+09	09+09+09+09+09
	-	09+09+24	09+09+09+12	09+09+09+09+12
	-	-	09+09+09+18	09+09+09+09+18
	-	-	09+09+12+12	09+09+09+09+24
	-	-	09+09+12+18	09+09+09+12+12
	-	-	09+12+12+12	09+09+09+12+18
	-	-	12+12+12+12	09+09+09+12+24
	-	-	-	09+09+12+12+12
	-	-	-	09+09+12+12+18
	-	-	-	09+12+12+12+12
	-	-	-	12+12+12+12+12
	-	-	-	

### Legend

Code	BTU/hr	Product # Indoor Unit
09	9000 BTU/hr	8028-C09-I
12	12000 BTU/hr	8028-C12-I
18	18000 BTU/hr	8028-C18-I
24	24000 BTU/hr	8028-C24-I