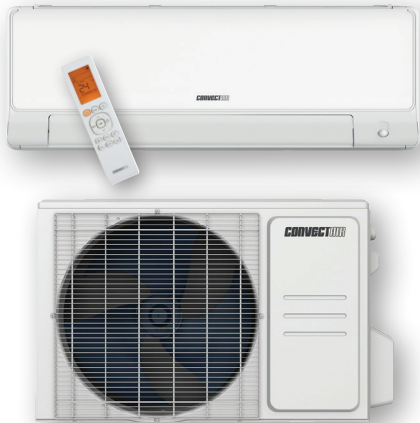


Capella 28

Ductless Single Zone Heat Pump



Features

Operation mode

- Cooling, heating, dehumidifying, fan and auto.

Nominal capacity

- 9000, 12000, 18000, 24000 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 included with wall bracket.
- Set temperature: 16 to 32 °C (61 to 90 °F).
- Temperature display format: °C or °F.
- Interface (optional HP6000ZB-MA and GT130 required).

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.

Providing great heating performance in temperatures as low as -30 °C, the Capella 28 heat pump is an ideal choice to cope with harsh Canadian winters. Thanks to its new design, maintaining the indoor unit takes no time at all.

And with a high air conditioning efficiency ratio, it is also your best bet for the hot months of summer.

You can enjoy comfort and well-being throughout the year as well as a quick return on investment.



Performance up to



Cooling



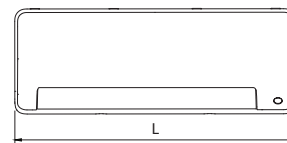
Heating

Up to

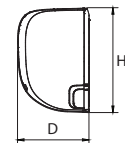
28.1 SEER
IN COOLING

13 HSPF
IN HEATING

Indoor Unit

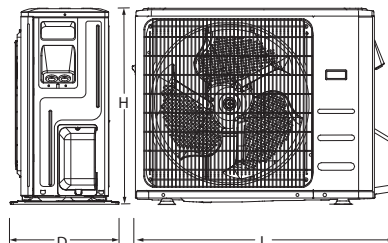


Front View



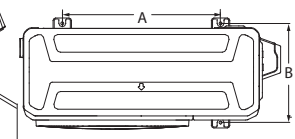
Side View

Outdoor Unit



Side View

Front View



















Top View

Indoor Unit	L		H		D	
	in.	mm	in.	mm	in.	mm
8028-C09-I 8028-C12-I	32 3/4	813	11 5/8	295	8 7/8	225
8028-C18-I	39 1/4	990	12 9/16	319	9 7/16	239
8028-C24-I	48 1/2	1219	14 9/16	370	11 1/4	279

Outdoor Unit	L		H		D		A		B	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
8028-C09-O 8028-C12-O	31 11/16	805	21 13/16	554	13	330	20 1/8	511	12	305
8028-C18-O	35 1/16	890	26 1/2	673	13 7/16	342	26 1/8	663	13 11/16	348
8028-C24-O	37 1/4	946	31 7/8	810	16 1/8	410	26 1/2	673	17 15/16	455

Features and functions

 <p>Smart Pan Heater Prevents ice formation in the base pan of the outdoor unit.</p>	 <p>Auto-Clean Keeps the indoor unit dry to prevent mold growth.</p>
 <p>Compressor Blanket and Preheating Technology Keeps the oil inside the compressor warm and prevents it from mixing with the refrigerant.</p>	 <p>Self-Diagnosis A microcomputer monitors the system and turns the unit off if abnormal operation is encountered. An error code will be displayed on the indoor unit to facilitate maintenance.</p>
 <p>Anti-Corrosion Fin Coating Condenser and evaporator fins are covered with a hydrophilic coating for greater corrosion resistance – a clear advantage for people living in coastal regions.</p>	 <p>Turbo Mode The unit operates at super high speed to achieve quick cooling or heating.</p>
 <p>Refrigerant Leakage Detection The indoor unit will display "EC" when the outdoor unit detects refrigerant leakage.</p>	 <p>Up & Down Swing Can be used to select oscillating angles for the vertical louvres. Choose a fixed position or use the auto swing mode to swing the louvres up and down in all positions.</p>
 <p>Smart Defrosting Provides greater comfort and energy savings by eliminating unnecessary defrost cycles.</p>	 <p>Timer Allows you to program the time you want the unit to start and stop over a 24-hour period.</p>
 <p>Smart Preheating The system delays turning on the fan in heating mode to avoid blowing cold air out at startup.</p>	 <p>Sleep Mode This function can be used to gradually increase or decrease room temperature, so you can save energy without affecting your sleep.</p>
 <p>Auto Restart In case of power failure, user selection and system parameters are stored in non-volatile memory. The system will automatically return to the last operating mode when power resumes.</p>	 <p>Silence Function The unit will operate at low frequency and the fan at the lowest speed to reduce noise level.</p>
 <p>Freeze Protection For extended absences, the temperature setpoint can be lowered to 8 °C (46 °F) in heating mode to prevent freezing.</p>	 <p>Follow Me With this function, the room temperature is read from the remote control, not from the indoor unit. This guarantees optimal comfort because the remote control is usually closer to you.</p>

Models

Product # ¹	Indoor Unit		8028-C09-I	8028-C12-I	8028-C18-I	8028-C24-I
	Outdoor Unit		8028-C09-O	8028-C12-O	8028-C18-O	8028-C24-O
Technical Performance						
Voltage		Volts	230/208	230/208	230/208	230/208
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)
Used cooling power input	Nominal	W	556	857	1440	1845
	Min. – max.	W	180 - 1180	180 - 1180	230 - 1760	310 - 2400
Used heating power input	Nominal	W	907	907	1700	2500
	Min. – max.	W	370 - 1500	370 - 1500	1390 - 2050	670 - 2700
Cooling rated current		A	2.5	3.72	6.3	8.1
Heating rated current		A	4.1	4.1	7.3	10.9
MCA		A	15	15	16	25
Max. over-current protection (MOCP)		A	15	15	25	35
SEER (SEER2)		-	28.1 (28.1)	25.5 (25.5)	21.5 (21.5)	21.5 (21.5)
HSPF (HSPF2)		-	13 (11.5)	13 (10.4)	13 (11.3)	12 (11.4)
EER		W/W	16.2	14	12.5	13
COP		W/W	3.81	3.88	3.1	3.4
AHRI number		-	207709204	207709205	207709206	207709207
ENERGY STAR		-	✓	✓	✓	✓
Indoor Unit						
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 ²	cfm	335 / 229 / 176	335 / 229 / 176	524 / 376 / 306	611 / 414 / 319
Sound level	H/M/L ²	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)	22.7 (10.3)	22.9 (10.4)	27 (12.3)	44 (20)
Outdoor Unit						
Air flow volume		cfm	1324	1324	1765	2235
Sound level		dB (A)	55	56	59	62
Compressor power input		W	885	885	2045	2045
Compressor LRA		A	8.8	8.8	14.25	17.1
Compressor RLA		A	50	50	36	58
Fan motor power output		W	-	-	-	-
Fan motor RLA		A	0.42	0.36	0.76	0.5
Refrigerant volume (R410A)		oz (g)	41.62 (1180)	41.62 (1180)	65.2 (1850)	91.7 (2600)
Net weight		lb (kg)	74 (33.6)	74 (33.4)	101 (45.8)	134 (61)
Operating ambient temperature	Cooling	°C (°F)	-30 to 50 (-22 to 122)			
	Heating	°C (°F)	-30 to 30 (-22 to 86)			
Connection Piping/Refrigerant						
Pre-charge length		ft. (m)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)
Additional refrigerant charge		oz/ft. (g/m)	0.16 (15)	0.16 (15)	0.16 (15)	0.32 (30)
Liquid pipe outer diameter		in.	1/4	1/4	1/4	3/8
Gas pipe outer diameter		in.	3/8	1/2	1/2	5/8
Maximum height difference		ft. (m)	33 (10)	33 (10)	66 (20)	82 (25)
Maximum total length		ft. (m)	82 (25)	82 (25)	98 (30)	164 (50)

¹ 1 indoor unit and 1 outdoor unit. Note that each unit is individually packaged.

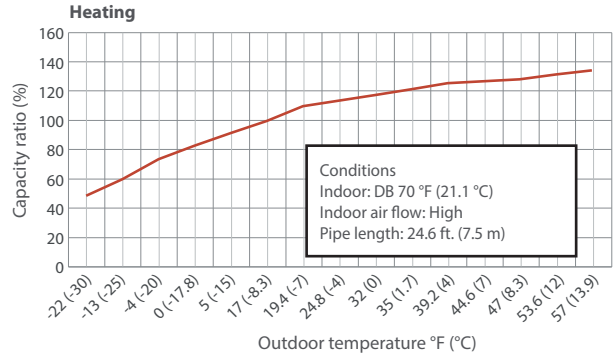
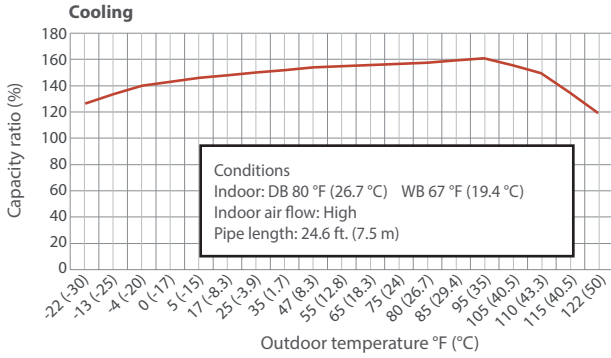
² Cross-Flow Fan Speeds: (H) High (80%) / (M) Medium (60%) / (L) Low (40%).

Options

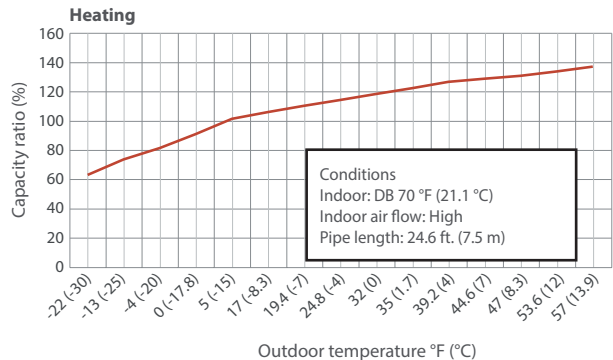
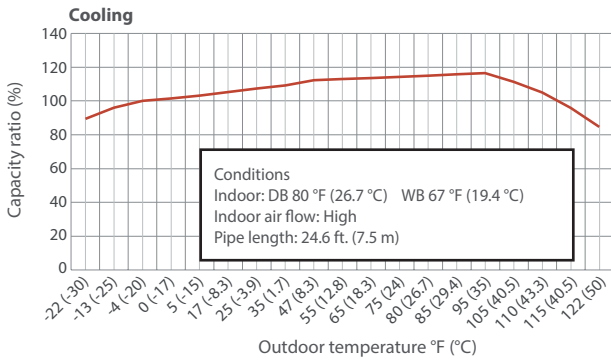
See Capella Options section

Capacity Variation Ratio According to Temperature

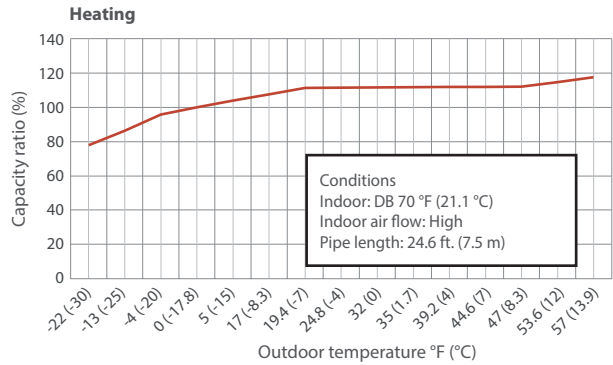
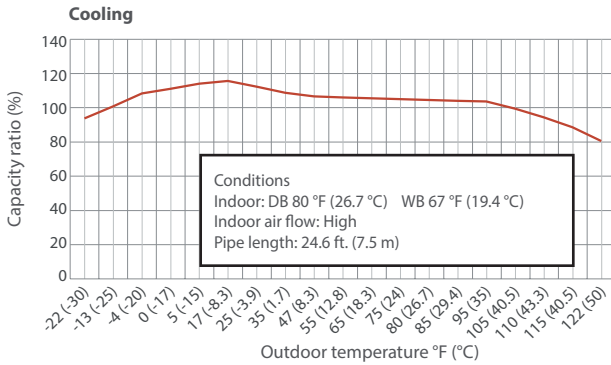
Model 8028-C09



Model 8028-C12



Model 8028-C18



Model 8028-C24

