

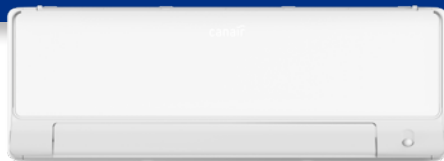
canair

C28



HEAT PUMPS

UP TO 28.1 SEER2 | SINGLE AND MULTI-ZONE



VERSATILE

POWERFUL

WARRANTY

CANADA BEST
MANAGED
COMPANIES

Platinum
member

DESCAIR



Proud family and Quebec
owned company since 1971



OTHER AVAILABLE canair PRODUCTS

canair

CENTRAL SIDE DISCHARGE SYSTEM

High efficiency system
up to **18 SEER2** and **10 HSPF2**
with a **heating capacity**
of **99% at -20°C**



canair

C22 WALL-MOUNTED SYSTEM

AIR CONDITIONER
up to **21.7 SEER2** (up to 24,000 BTU)



canair

RANGE HOOD

CP 280 SERIES
(40dB at low speed)



WARRANTIES

As part of our commitment to ensure quality of service, we suggest you propose a **10-year** basic warranty on parts and compressor on the products, with the possibility of a limited **10-year** warranty on labor.



BASIC WARRANTY

5 YEARS Compressor
1 YEAR Parts

ADDITIONAL WARRANTY

5 YEARS Compressor
5 YEARS Parts

ADDITIONAL WARRANTY

10 YEARS Compressor
10 YEARS Parts

ADDITIONAL WARRANTY

10 YEARS Labor

The **canair** brand provided by your trusted Descair dealer to meet your needs and guarantee you the highest quality of service.

canair is the house brand that offers quality products and a warranty that suits your needs.

WHY canair C28?

VERSATILE

Includes a wide selection of single and multi-zone heat pumps to meet all your needs.

WARRANTY

A parts and compressor warranty for a high-quality product and service offered by the dealer for up to 10 years with the possibility to upgrade it with a limited warranty 10-year labor.

POWERFUL

The **canair C28** range offered by your Descair dealer is one of the most powerful in terms of capacity and air flow.



FEATURES



HEATING UP TO -30 °C

A heat pump designed to give you optimum efficiency and performance.



DRAFT STOPPER FEATURE

For a nice warm sensation when starting the unit in heating mode.



TURBO MODE

To reach the desired temperature quickly. This mode is available for both cooling and heating.



«FOLLOW ME» FEATURE

For maintaining the temperature wherever the remote control is located.



SELF-CLEANING FEATURE

To clean and dry the indoor and outdoor coil for the prevention of mould and mildew.



AUTOMATIC RESTART

As soon as service is restored following a power failure, while maintaining the previously selected settings.



SILENT MODE

For a quiet and comfortable atmosphere in any mode of operation.



OUTDOOR HEAT CABLES

Installed at the base of the outdoor unit, but also around the compressor to prevent ice build-up and ensure a smooth start-up.

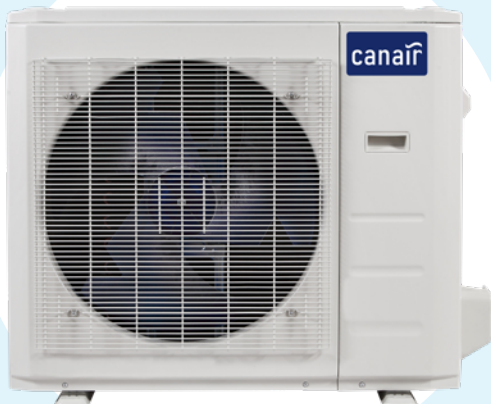
TECHNOLOGY

INVERTER TECHNOLOGY

Inverter technology allows for intensity control by changing the frequency of the compressor's power supply for optimum efficiency and comfort.

BENEFITS

- Reduces energy consumption to lower your energy costs
- Provides comfort at all times thanks to precise temperature and capacity control adapted to match the level of room activity
- Quickly heats and cools the room
- Operates silently thanks to its technology and design



SINGLE ZONE HEAT PUMPS

		COMPATIBLE INDOOR UNITS							
		MULTI-ZONE	SINGLE ZONE AND MULTI-ZONE						
MODEL#		CANAIR C28 06HP	CANAIR C28 09HP	CANAIR C28 12HP	CANAIR C28 18HP	CANAIR C28 24HP	CANAIR C28 30HP	CANAIR C28 36HP	
Indoor unit		C28SEH06H21	C28SEH09H21	C28SEH12H21	C28SEH18H21	C28SEH24H21	C28SEH30H21	C28SEH36H21	
Outdoor unit		-	C28SCH09H21	C28SCH12H21	C28SCH18H21	C28SCH24H21	C28SCH30H21	C28SCH36H21	
Certification		-					-	-	
AHRI		-	207683256	207683257	207683258	207683259	207683260	207683261	
EFFICIENCY									
Capacity	Cooling	BTU/h	6,000 (3,400 ~ 12,000)	9,000 (3,300 ~ 14,300)	12,000 (3,300 ~ 14,300)	18,000 (8,870 ~ 19,400)	24,000 (6,850 ~ 27,000)	30,000 (9,070 ~ 30,700)	36,000 (9,300 ~ 38,800)
	Heating	BTU/h	7,000 (3,300 ~ 11,500)	11,800 (5,000 ~ 15,200)	12,000 (5,000 ~ 15,300)	18,000 (15,100 ~ 19,500)	29,000 (11,900 ~ 31,000)	30,000 (8,600 ~ 34,800)	36,000 (11,570 ~ 37,000)
EER2		BTU/W	-	16.2	14.0	12.5	13.0	11.5	8.5
SEER2		BTU/W	-	28.1	25.5	21.5	21.5	20.0	20.0
HSPF2 IV		BTU/W	-	11.5	10.4	11.3	11.4	9.2	8.0
COP at -15 °C/5 °F (at max. cap.)			-	1.97	2.07	1.82	1.81	1.95	1.85
Outdoor operating conditions	Cooling	°C °F	-	-30 ~ 50 -22 ~ 122				-15 ~ 50 5 ~ 122	
	Heating	°C °F	-	-30 ~ 30 -22 ~ 86				-15 ~ 24 5 ~ 75.2	
ELECTRICAL DATA									
Power Supply	V/Ph/Hz	230/1/60	230/1/60				230/1/60		
MCA/MOP	A	-	15/15	15/15	16/25	25/35	23/30	28/35	
FEATURES									
Indoor noise level (Hi/Mi/Lo)	dB(A)	36/32/23	38/34/24	38/34/24	46/42/24	46/39/34	46/41/33	48/42/36	
Indoor air flow (Hi/Mi/Lo)	CFM	318/218/168	336/230/177	336/230/177	524/377/306	612/415/319	647/506/383	640/506/383	
Outdoor noise level	dB(A)	53.5	54.5	56.0	59.0	62.0	61.5	61.5	
Refrigerant		R-410A	R-410A				R-410A		
Refrigerant piping	in	1/4" and 3/8"	1/4" and 3/8"	1/4" and 1/2"	1/4" and 1/2"	3/8" and 5/8"	3/8" and 5/8"	3/8" and 5/8"	
Max. refrigerant pipe length	ft	-	82	82	98	164	164	213	
Max. difference in level	ft	-	33	33	66	82	82	98	
Preloaded	ft	-	25	25	25	25	25	25	
Additional charge for each ft	oz/ft	-	0.16	0.16	0.16	0.32	0.32	0.32	
Min. control wiring unshielded*		16AWG/4	16AWG/4				16AWG/4		
* The use of 3/8" vapor line is permitted by the manufacturer under certain conditions. Please contact your representative for more information. Fittings not included.									
DIMENSIONS AND WEIGHT									
Indoor unit	(WxDxH)	in	33.4 x 9.18 x 11.76	33.4 x 9.18 x 11.76	33.4 x 9.18 x 11.76	40.06 x 9.72 x 12.6	46.85 x 11.2 x 14.59	46.85 x 11.2 x 14.59	46.85 x 11.2 x 14.59
	Net weight	lb	23	23	23	28	44	44	44
Outdoor unit	(WxDxH)	in	-	31.69 x 12.99 x 21.81	31.69 x 12.99 x 21.81	35.04 x 13.46 x 26.5	37.24 x 16.14 x 31.89	37.24 x 16.14 x 31.89	37.24 x 16.14 x 31.89
	Net weight	lb	-	75	74	101	135	142	151

INVERTER TECHNOLOGY



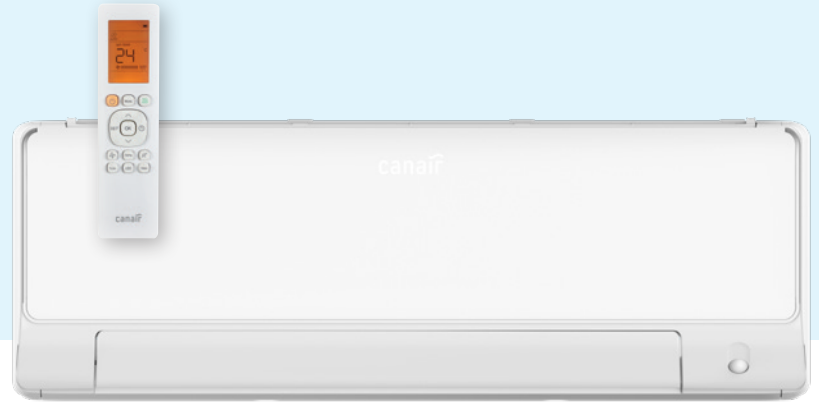
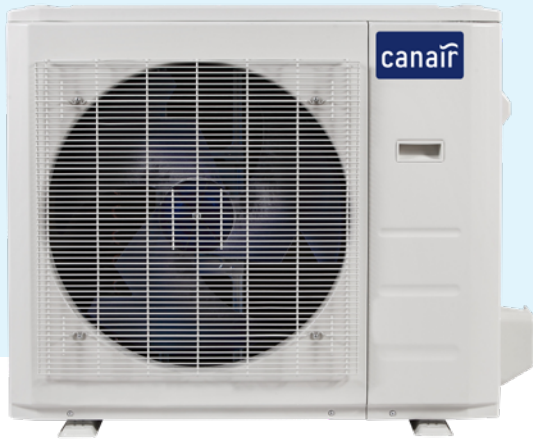
**UP TO
28.1 SEER2
11.5 HSPF2**



**COOLING
UP TO
-30°C (-22°F)**



**HEATING
UP TO
-30°C (-22°F)**

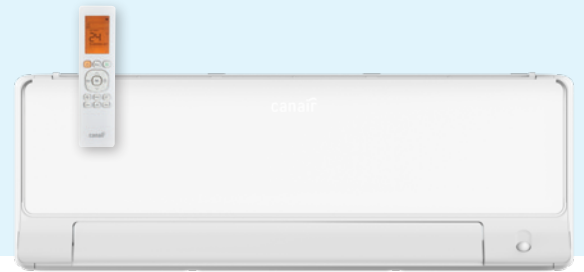
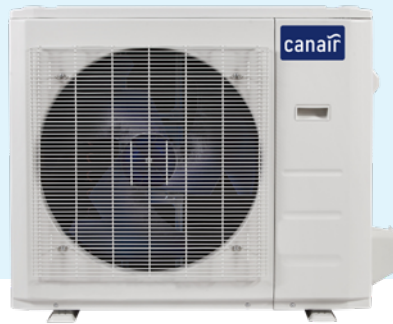


	CANAIR C28 09HP	CANAIR C28 12HP	CANAIR C28 18HP	CANAIR C28 24HP	CANAIR C28 30HP	CANAIR C28 36HP
	28.1 SEER2 9,000 BTU (3,300 ~ 14,300)	25.5 SEER2 12,000 BTU (3,300 ~ 14,300)	21.5 SEER2 18,000 BTU (8,870 ~ 19,400)	21.5 SEER2 24,000 BTU (6,850 ~ 27,000)	20.0 SEER2 30,000 BTU (9,070 ~ 30,700)	20.0 SEER2 36,000 BTU (9,300 ~ 38,800)
	-30°C ~ 50°C -22°F ~ 122°F	-30°C ~ 50°C -22°F ~ 122°F	-30°C ~ 50°C -22°F ~ 122°F	-30°C ~ 50°C -22°F ~ 122°F	-15°C ~ 50°C 5°F ~ 122°F	-15°C ~ 50°C 5°F ~ 122°F
	11.5 HSPF2 11,800 BTU (5,000 ~ 15,200)	10.4 HSPF2 12,000 BTU (5,000 ~ 15,300)	11.3 HSPF2 18,000 BTU (15,100 ~ 19,500)	11.4 HSPF2 29,000 BTU (11,900 ~ 31,000)	9.2 HSPF2 30,000 BTU (8,600 ~ 34,800)	8.0 HSPF2 36,000 BTU (11,570 ~ 37,000)
	-30°C ~ 30°C -22°F ~ 86°F	-30°C ~ 30°C -22°F ~ 86°F	-30°C ~ 30°C -22°F ~ 86°F	-30°C ~ 30°C -22°F ~ 86°F	-15°C ~ 24°C 5°F ~ 75.2°F	-15°C ~ 24°C 5°F ~ 75.2°F
 Indoor unit	33.4 x 9.18 x 11.76	33.4 x 9.18 x 11.76	40.06 x 9.72 x 12.6	46.85 x 11.2 x 14.59	46.85 x 11.2 x 14.59	46.85 x 11.2 x 14.59
 Outdoor unit	54.5 dB(A)	56.0 dB(A)	59.0 dB(A)	62.0 dB(A)	61.5 dB(A)	61.5 dB(A)

MULTI-ZONE HEAT PUMPS

MODEL#			CANAIR C28 18MULTI 2HP	CANAIR C28 28MULTI 3HP	CANAIR C28 36MULTI 4HP	CANAIR C28 48MULTI 5HP
Outdoor unit			C28MC218H22	C28MC328H21	C28MC436H22	C28MC548H21
Certification						
AHRI			Non-ducted match-up 213479410	Non-ducted match-up 213479404	Non-ducted match-up 213479407	Non-ducted match-up 207683271
EFFICIENCY						
Capacity	Cooling	BTU/h	19,000 (5,500 ~ 25,000)	28,000 (8,000 ~ 32,800)	36,000 (17,900 ~ 42,000)	48,000 (19,300 ~ 51,060)
	Heating	BTU/h	20,000 (8,100 ~ 29,600)	28,000 (5,000 ~ 38,500)	37,000 (12,500 ~ 51,000)	49,000 (11,500 ~ 58,000)
EER2		BTU/W	12.5	12.5	13.6	11.7
SEER2		BTU/W	22.0	23.0	22.2	21.8
HSPF2 IV		BTU/W	9.8	10.6	10.3	9.8
COP at -15 °C/5 °F (at max. cap.)			1.93	1.81	1.93	2.05
Outdoor operating conditions	Cooling	°C °F	-15 ~ 50 5 ~ 122			-30 ~ 50 -22 ~ 122
	Heating	°C °F	-30 ~ 24 -22 ~ 75			-30 ~ 30 -22 ~ 86
ELECTRICAL DATA						
Power supply		V / Ph / Hz	230 / 1 / 60			
MCA / MOP		A	20 / 25	25 / 40	40 / 60	42 / 50
FEATURES						
Outdoor noise level		dB(A)	61	63	63	65
Refrigerant			R-410A			
Refrigerant piping		in	2 x 1/4", 2 x 3/8"	3 x 1/4", 2 x 3/8", 1 x 1/2"	4 x 1/4", 2 x 3/8", 2 x 1/2"	5 x 1/4", 3 x 3/8", 2 x 1/2"
Max. refrigerant pipe length	Total	ft	131	197	262	262
	Per indoor units	ft	82	98	115	115
Max. difference in level	Between the outdoor unit and indoor unit	ft	49	49	49	49
	Between two indoor units	ft	33	33	33	33
Preloaded		ft	49	74	98	123
Additional charge for each ft		oz/ft	0.16	0.16	0.16	0.16
Min. control wiring unshielded*			14AWG/4	14AWG/4	14AWG/4	16AWG/4
* The use of 3/8" vapor line is permitted by the manufacturer under certain conditions. Please contact your representative for more information. Fittings not included.						
DIMENSIONS AND WEIGHT						
Outdoor unit	(WxDxH)	in	37.24 x 16.14 x 31.89	37.24 x 16.14 x 31.89	37.48 x 16.34 x 52.48	37.48 x 16.34 x 52.48
	Net weight	lb	139	168	224	239

INVERTER TECHNOLOGY









**UP TO
23.0 SEER2
10.6 HSPF2**



**COOLING
UP TO
-30 °C (-22 °F)**



**HEATING
UP TO
-30 °C (-22 °F)**

	CANAIR C28 18MULTI 2HP	CANAIR C28 28MULTI 3HP	CANAIR C28 36MULTI 4HP	CANAIR C28 48MULTI 5HP
	22.0 SEER2 19,000 BTU (5,500 ~ 25,000)	23.0 SEER2 28,000 BTU (8,000 ~ 32,800)	22.2 SEER2 36,000 BTU (17,900 ~ 42,000)	21.8 SEER2 48,000 BTU (19,300 ~ 51,060)
	-15 °C ~ 50 °C 5 °F ~ 122 °F	-15 °C ~ 50 °C 5 °F ~ 122 °F	-15 °C ~ 50 °C 5 °F ~ 122 °F	-30 °C ~ 50 °C -22 °F ~ 122 °F
	9.8 HSPF2 20,000 BTU (8,100 ~ 29,600)	10.6 HSPF2 28,000 BTU (5,000 ~ 38,500)	10.3 HSPF2 37,000 BTU (12,500 ~ 51,000)	9.8 HSPF2 49,000 BTU (11,500 ~ 58,000)
	-30 °C ~ 24 °C -22 °F ~ 75 °F	-30 °C ~ 24 °C -22 °F ~ 75 °F	-30 °C ~ 24 °C -22 °F ~ 75 °F	-30 °C ~ 30 °C -22 °F ~ 86 °F
 Indoor unit	37.24 × 16.14 × 31.89	37.24 × 16.14 × 31.89	37.48 × 16.34 × 52.48	37.48 × 16.34 × 52.48
 Outdoor unit	61 dB(A)	63 dB(A)	63 dB(A)	65 dB(A)

COMBINATION CHART

OUTDOOR UNIT	COMBINATION			OUTDOOR UNIT	COMBINATION					
	2 ZONES	2-3 ZONES	2-4 ZONES		2 ZONES	2-3 ZONES	2-4 ZONES	2-5 ZONES		
C28MC218H22	6+6				9+24	6+6+24	6+6+6+18	6+6+6+6+9		
	6+9				9+30	6+6+30	6+6+6+24	6+6+6+6+12		
	6+12				9+36	6+6+36	6+6+6+30	6+6+6+6+18		
	9+9				12+24	6+9+24	6+6+6+36	6+6+6+6+24		
	9+12				12+30	6+9+30	6+6+9+18	6+6+6+6+30		
	12+12				12+36	6+9+36	6+6+9+24	6+6+6+6+36		
C28MC328H21	6+12	6+6+6			18+18	6+12+18	6+6+9+30	6+6+6+9+9		
	6+18	6+6+9			18+24	6+12+24	6+6+9+36	6+6+6+9+12		
	9+9	6+6+12			18+30	6+12+30	6+6+12+12	6+6+6+9+18		
	9+12	6+6+18			18+36	6+12+36	6+6+12+18	6+6+6+9+24		
	9+18	6+9+9			24+30	6+18+18	6+6+12+24	6+6+6+9+30		
	12+12	6+9+12			24+36	6+18+24	6+6+12+30	6+6+6+9+36		
	12+18	6+9+18			30+30	6+18+30	6+6+12+36	6+6+6+12+12		
	18+18	6+12+12				6+18+36	6+6+18+18	6+6+6+12+18		
		6+12+18				6+24+24	6+6+18+24	6+6+6+12+24		
		9+9+9				6+24+30	6+6+18+30	6+6+6+12+30		
		9+9+12				9+9+18	6+6+24+24	6+6+6+18+18		
		9+9+18				9+9+24	6+9+9+12	6+6+6+18+24		
		9+12+12				9+9+30	6+9+9+18	6+6+9+9+9		
		12+12+12				9+9+36	6+9+9+24	6+6+9+9+12		
C28MC436H22	6+18	6+6+12	6+6+6+6	C28MC548H21	9+12+12	6+9+9+30	6+6+9+9+18	9+12+12	6+9+9+30	6+6+9+9+18
	6+24	6+6+18	6+6+6+9		9+12+18	6+9+9+36	6+6+9+9+24	9+12+18	6+9+9+36	6+6+9+9+24
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	18+18	6+12+18	6+6+9+18		9+18+30	6+9+18+18	6+6+9+18+18	9+18+30	6+9+18+18	6+6+9+18+18
	18+24	6+12+24	6+6+9+24		9+24+24	6+9+18+24	6+6+9+18+24	9+24+24	6+9+18+24	6+6+9+18+24
	24+24	6+18+18	6+6+12+12		9+24+30	6+9+18+30	6+6+12+12+12	9+24+30	6+9+18+30	6+6+12+12+12
		6+18+24	6+6+12+18		12+12+12	6+12+12+12	6+6+12+12+18	12+12+12	6+12+12+12	6+6+12+12+18
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		12+12+24	9+9+9+12		18+18+24	9+9+9+36	6+9+9+18+18	18+18+24	9+9+9+36	6+9+9+18+18
		12+18+18	9+9+9+18				9+9+12+12			6+9+12+12+12
			9+9+12+12				9+9+12+18			6+9+12+12+18
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					12+12+12+24			9+12+12+12+12		
					12+12+18+18			12+12+12+12+12		

Note: If total indoor units load exceeds nominal capacity of outdoor unit, the practical output capacity of every indoor unit will be correspondingly attenuated. This situation is more noticeable during heating mode.

Rules: Outdoor unit capacity x 0.66 ≤ Indoor units total capacity ≤ Outdoor unit capacity x 1.33.



Proud family and Quebec owned company since 1971

descair.ca

514 744-6751 or 1 855 326-6752



YOUR RETAILER



INVERTER TECHNOLOGY

