



canair

-30°C

HIGH EFFICIENCY
AIR CONDITIONING AND
CENTRAL HEATING SYSTEM

◀ SIDE DISCHARGE ▶



HEAT PUMPS



 **DESCAIR**

Proud family and Quebec
owned company since 1971





HIGH EFFICIENCY SYSTEM

UP TO 18 SEER2 AND 10 HSPF2

COMPACT AND FLEXIBLE FORMAT

A slimmer design and lighter. This system offers unparalleled flexibility to fit any home space.

QUIET OPERATION

Thanks to Inverter technology, which allows for constant and adjustable operation, the system can operate at a significantly lower decibel level than the competition, providing additional acoustic comfort in any environment (indoor or outdoor).

AN ENERGY-EFFICIENT PRODUCT

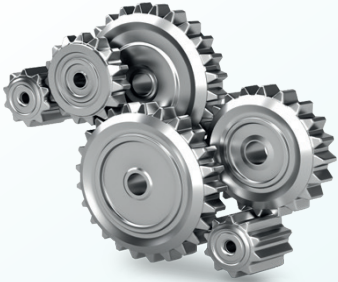
The intelligent constant airflow fan automatically measures pressure problems caused by blocked coils, dirty filters, etc. The motor responds to these conditions by adjusting power output and fan speeds to ensure optimal airflow. By providing the right amount of airflow, the system can effectively reduce energy waste caused by excessive airflow.

MORE COMFORT WITH THE GREATEST OF EASE

VOLUME			1.5 tons	2 tons	2.5 tons	
Outdoor unit			CDH2018C21	CDH2024C21	CDH2030C21	
Indoor unit			CDH2018F21	CDH2024F21	CDH2030F21	
Certifications			●	●	●	●
	FGP ¹		●	●	●	
	PGP ²		●	●		●
AHRI			207706568	207706569	207706570	207690474
EFFICIENCY						
Cooling	Capacity (range)	Btu/hr.	18,000 (6,880~21,000)	24,000 (6,400~27,000)	30,000 (10,400~33,600)	
	Input	W	1,430	1,920	2,720	
	Current	A	6.5	9.4	12.4	
	EER	Btu/W	-	-	-	11.0
	EER2	Btu/W	12.4	11.7	10.0	-
	SEER	Btu/W	-	-	-	18.0
	SEER2	Btu/W	18.0	17.4	16.2	-
Heating	Capacity	Btu/hr.	19,000 (2,800~21,000)	24,000 (10,100~31,000)	33,000 (12,000~37,000)	
	Input	W	1,550	2,040	2,780	
	Current	A	7	9.13	12.50	
	COP at -15 °C/5 °F (at max. cap.)	W/W	2.04	1.91	1.80	1.95
	HSPF IV	Btu/W	-	-	-	10.5
	HSPF2 IV	Btu/W	9.3	10.0	8.9	-

STAYING COZY ON COLD DAYS

100% HEATING CAPACITY
AT **-15°C** AND UP TO 99%
AT **-20°C**



WARRANTIES

As part of our commitment to quality service, we offer a basic limited **10-year parts and compressor warranty** on your system with the possibility to upgrade it with a **limited 10-year warranty on labor**.

BASIC WARRANTY
10 YEARS Compressor Parts

ADDITIONAL WARRANTY
10 YEARS Labor

3 tons		4 tons		5 tons	
CDH2036C21		CDH2048C21		CDH2060C22	
CDH2036F21		CDH2048F21		CDH2060F21	
●	●	●	●	●	●
●		●	●	●	●
	●	●	●	●	●
207706571	207690475	207706572		210342131	
36,000 (12,000~47,400)		47,000 (18,000~48,000)		55,000 (14,000~56,000)	
3,300		5,530		6,110	
14.8		24.2		26.7	
-	10.5	-	-	-	-
10.0	-	8.2	-	8.8	-
-	18.0	-	-	-	-
16.0	-	15.6	-	15.3	-
40,000 (9,000~57,200)		50,000 (20,000~55,000)		59,000 (13,400~69,000)	
3,400		4,880		4,940	
14.8		21.5		21.5	
1.96	1.82	1.90	-	1.91	-
-	10.5	-	-	-	-
9.5	-	9.4	-	9.4	-

¹ FGP These units meet the specifications of the federal grant program in effect at the time of updating this price list. May be subject to change without notice. It is the customer's responsibility to ensure the chosen unit is eligible by consulting the Canada Greener Homes Grant portal before installation.

² PGP These units meet the specifications of the many provincial grant programs in effect at the time of updating this price list. May be subject to change without notice. It is the customer's responsibility to ensure the chosen unit is eligible by consulting the *Energy Transition* and *LogisVert* program web sites before installation.



One of the most compatible systems in its category.



Comfort in all conditions, comfort in every room.



Pleasantly reliable and surprisingly affordable.

HEAT PUMPS

-30°C



FEATURES

Heating up to -30°C

Up to 99% heating capacity at -20°C

High-efficiency up to 18 SEER2 and 10 HSPF2

Wide compatibility of connections

Easy installation and maintenance

UNITS TO FIT ANY SPACE

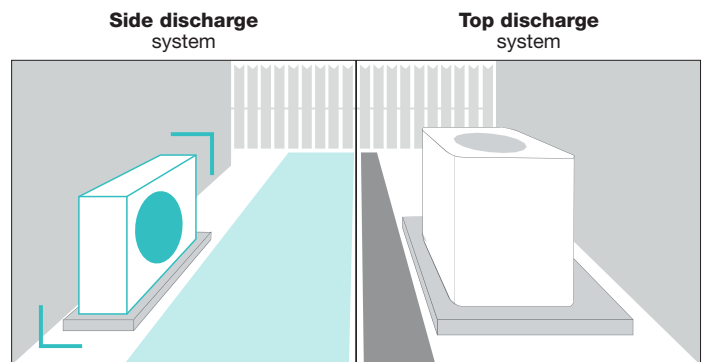
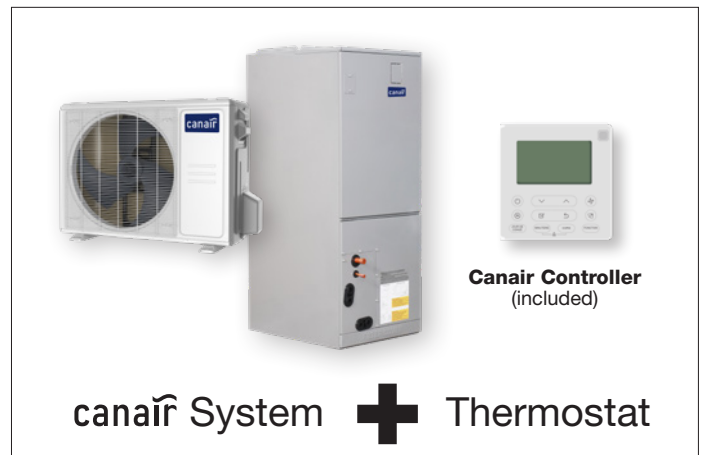
A slimmer design that is lighter than top discharge systems, providing unparalleled flexibility in terms of adapting to different home spaces.

A+ FOR PROFESSIONAL USE

More units in your professional van or truck; 4 or 5 side discharge units instead of 1 or 2 top discharge units. Also, the unit is easy to transport to the installation site and to install on a stand because it can be carried by a single technician.

A+ FOR CONSUMER

Silent operation for all uses thanks to Inverter technology featuring constant and adjustable operation; the system can operate at a very low noise level, providing additional acoustic comfort to any setting, indoors or outdoors.



MULTIPLE CAPACITY SOLUTIONS



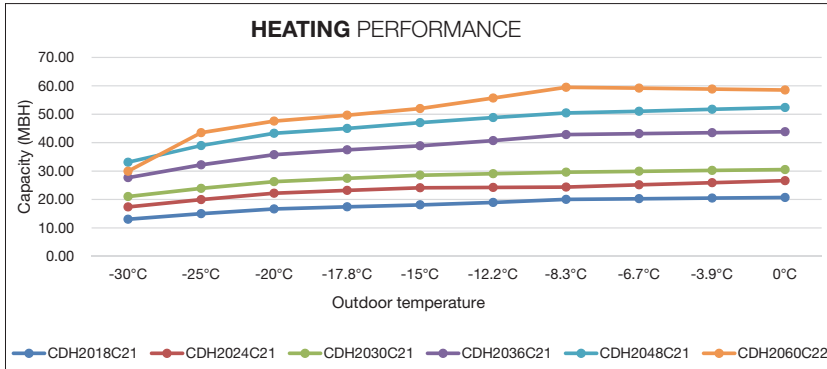
MADE FOR OUR CLIMATE

The Canair side discharge units have a heating capacity of up to 99% at -20°C and maintain a high COP even at temperatures as low as -30°C.



QUICK ADJUST INVERTER

When technology saves time and money.



OUTDOOR UNITS							
MODEL		CDH2018C21	CDH2024C21	CDH2030C21	CDH2036C21	CDH2048C21	CDH2060C22
Maximum outdoor noise level	dB(A)	58	64	62	64	64	64
ELECTRICAL DATA							
Power supply	V/ph/Hz	208-230/1/60					
Minimum circuit ampacity	A	16	20.5	23	30	40	40
Max. fuse	A	20	35	35	50	50	50
DIMENSIONS AND WEIGHT							
Dimensions (W x D x H)	in	35.04 x 13.46 x 26.50	37.24 x 16.14 x 31.89	37.24 x 16.14 x 31.89	37.48 x 16.34 x 52.48		
Net weight	lbs	103	137	160	227	220	240
Preloaded	ft	24.6	24.6	24.6	24.6	24.6	25.0
Additional charge for each ft	oz/ft	0.69	0.69	0.69	0.69	0.69	0.69
Refrigerant piping	Liquid/gas	in	3/8 and 3/4	3/8 and 3/4	3/8 and 3/4	3/8 and 3/4	3/8 and 7/8
	Max. refr. pipe length	ft	98	164	164	213	213
	Max. diff. in level	ft	65	82	82	98	98
Thermostat type		Wired	Wired	Wired	Wired	Wired	Wired
Operating temperature	Cooling	°C	-15~50				
		°F	5~122				
	Heating	°C	-30~24				
		°F	-22~75				



EASY MAINTENANCE AIR HANDLING UNIT

FEATURES

Easy installation and maintenance

Multi-position (up/down/left/right)

Constant air flow system up to 0.8 in. wg.

Aluminium coil

Optional auxiliary heat kit up to 25 kW

Quiet – variable speed system operates at a lower dB level than the competition

Electronic expansion valve included



Canair Controller
(included)

EASY TO INSTALL, TO USE AND PROFITABLE THANKS TO THE ECM MOTOR

SIMPLIFIED MAINTENANCE

The sliding top cover is easy to remove.

ELECTRICAL COMPONENTS

Just two integrated printed circuit boards (PCB). The first board is the main control board; the second is a functional board for the 24 V thermostat, DIP switch, cable control and 88 LED display. High efficiency manufacturing, easy maintenance, cables joined using a connector.

FILTER

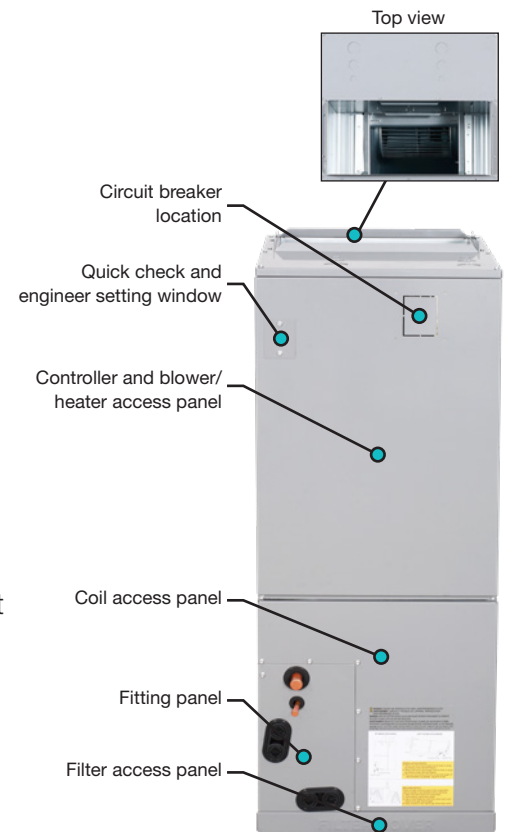
Simplified filter maintenance.

ELECTRIC HEATING UNIT

Just one piece. High efficiency manufacturing, simplified installation and maintenance.

MODULAR SLIDING EVAPORATOR

The evaporator coil has a modular design that can be easily removed for maintenance by the user thanks to the sliding feature. It's easy to remove and can be set up to meet the specific needs of different installation spaces.



INDOOR UNIT DIMENSIONS



17-1/2" x 21" x 45"

1.5 tons	18 k
2 tons	24 k

21" x 21" x 49"

2.5 tons	30 k
3 tons	36 k
4 tons	48 k

24-1/2" x 21" x 53"

5 tons	60 k
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INDOOR UNITS

MODELS		CDH2018F21	CDH2024F21	CDH2030F21	CDH2036F21	CDH2048F21	CDH2060F21
Indoor fan motor	Model	ZKFD-250-8-1		ZKFD-375-8-1		ZKFD-560-8-1	ZKFD-750-8-1
	RLA	A	1	3	3.5	3.5	3.5
Power	HP	1/3 HP	1/2 HP	1/2 HP	1/2 HP	3/4 HP	1 HP
Indoor air flow (turbo/Hi/Mi/Lo)	CFM	618/576/529/488	824/759/694/629	988/894/806/712	1,188/1,082/971/865	1,471/1,282/1,094/906	1,806/1,582/1,359/1,135
ESP	in. wg.	0-0.8	0-0.8	0-0.8	0-0.8	0-0.8	0-0.8
Indoor noise level (Hi/Mi/Lo)	dB(A)	35/32/30.5	41/38/35	43/41/37	46/44/41	50.3/47.1/43.7	52.5/49/44

ELECTRICAL DATA

Power supply	V/ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Minimum circuit ampacity	A	3	4	4.5	4.5	4.5	6.5
Max. fuse	A	15	15	15	15	15	15


DIMENSIONS AND WEIGHT

Dimensions (W x D x H)	in	17.50 x 21.00 x 45.00		21.00 x 21.00 x 49.00		24.50 x 21.00 x 53.00	
Supply opening (W x D)	in	15.75 x 10.25		19.31 x 10.25		22.88 x 10.25	
Net weight	lb	106	106	130	130	131	221

AMPERAGE ELEMENTS

230 V		#1 circuit			#2 circuit			#3 circuit			Total		
Model	kW	AMP	MCA	MOP	AMP	MCA	MOP	AMP	MCA	MOP	AMP	MCA	MOP
EAH-05B(UL)	5	20	27	30							20	27	30
EAH-10B(UL)	10	40	53	60							40	53	60
EAH-15B(UL)	15	20	27	30	40	53	60				60	80	90
EAH-20B(UL)	20	40	53	60	40	53	60				80	106	120
EAH-25B(UL)	25	20	27	30	40	53	60	40	53	60	100	133	150

CASED A-COILS

MODEL	MAC 24HWDN1-MN0	MAC 24HWDN1-MN0	MAC 36HWFN1-M	MAC 36HWFN1-M	MAC 48HWFN1-M	MAC 60HWFN1-M	
Compatible outdoor unit	CDH2018C21	CDH2024C21	CDH2030C21	CDH2036C21	CDH2048C21	CDH2060C22	
Certifications	 ●	●	●	●	●	●	
	FGP ¹ ●	●	●	●	●	●	
	PGP ² ●	●	●	●	●	●	
AHRI	211644141	211644139	211644140	211644138	211644137	212386770	
EER2	11.7	10.7	10.5	10.0	8.6	8.6	
SEER2	16.5	16.8	15.5	15.2	14.3	14.5	
HSPF2 IV	9.5	9.5	9.7	10.0	9.0	8.5	
HSPF2 V	7.8	7.7	7.7	8.0	7.5	7.1	
COP at -15°C (at max. capacity)	2.20	1.95	1.85	2.00	1.80	1.80	
Indoor coil	Type of fins	Hydrophilic aluminum					
Outdoor unit	Dimensions (WxDxH)	in 17-1/2 x 21 x 18	17-1/2 x 21 x 18	21 x 21 x 24	21 x 21 x 24	21 x 21 x 24	24-1/2 x 21 x 28
	Net weight	lbs 53	53	78	78	78	99
Regulator type		VET	VET	VET	VET	VET	VET
Drain pipe outdoor diameter	in	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4
Air supply duct size	in	17-1/2 x 18	17-1/2 x 18	21 x 24	21 x 24	21 x 24	24-1/2 x 28
Refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Liquid/gas	in	3/8 and 3/4	3/8 and 3/4	3/8 and 3/4	3/8 and 3/4	3/8 and 3/4	3/8 and 7/8

¹ FGP See notes on page 3.
² PGP See notes on page 3.

A-COIL

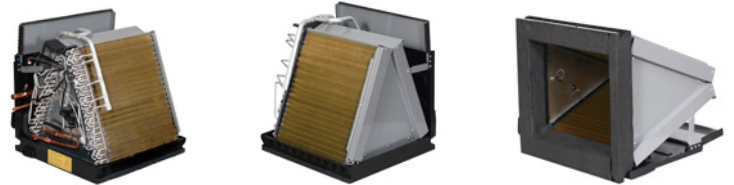
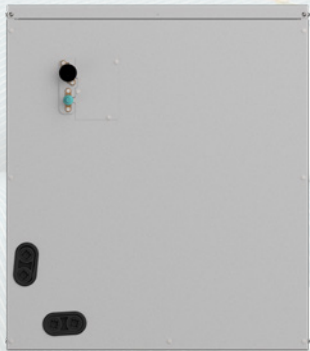
The tubes and fins of the coil are made entirely of aluminium, which protects from the corrosive elements circulating inside house as well as offering maximum heat transfer.

DURABLE CABINET

Galvanized steel with a polyester urethane finish, 50% more corrosion-resistant than regular finishes.

INSTALLATION

Vertical up, vertical down or horizontal.



Proud family and Quebec owned company since 1971

descair.ca

514 744-6751 or 1 855 326-6752



Platinum member

YOUR RETAILER

INVERTER TECHNOLOGY

