



canair

-30°C

**HIGH EFFICIENCY**  
AIR CONDITIONING AND  
CENTRAL HEATING SYSTEM

◀ SIDE DISCHARGE ▶

HEAT PUMPS



Exclusive distributor

 **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

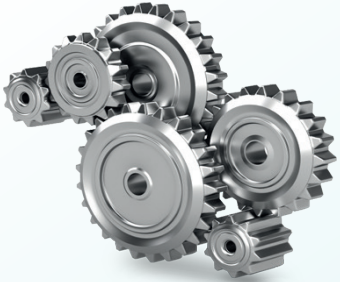
The intelligent constant airflow fan automatically measures pressure problems caused by blocked coils, dirty filters, etc. The motor responds to these conditions by adjusting power output and fan speeds to ensure optimal airflow. By providing the right amount of airflow, the system can effectively reduce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

## MORE COMFORT WITH THE GREATEST OF EASE

<b>VOLUME</b>			<b>1.5 tons</b>	<b>2 tons</b>	<b>2.5 tons</b>
Outdoor unit			<b>CDH2018C21</b>	<b>CDH2024C21</b>	<b>CDH2030C21</b>
Indoor unit			<b>CDH2018F21</b>	<b>CDH2024F21</b>	<b>CDH2030F21</b>
Certifications			●	●	●
			●	●	●
AHRI			207706568	207706569	207706570
<b>EFFICIENCY</b>					
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	-	-	-
	EER2	Btu/W	12.4	11.7	10.0
	SEER	Btu/W	-	-	-
	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
	HSPF IV	Btu/W	-	-	-
	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	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
-	-	-
10.0	8.2	8.8
-	-	-
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	1.90	1.91
-	-	-
9.5	9.4	9.4



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



UP TO  
**18.0**  
SEER2

UP TO  
**10.0**  
HSPF2

HEATING  
UP TO  
**-30°C**

ne  
ep

R-410A

### 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

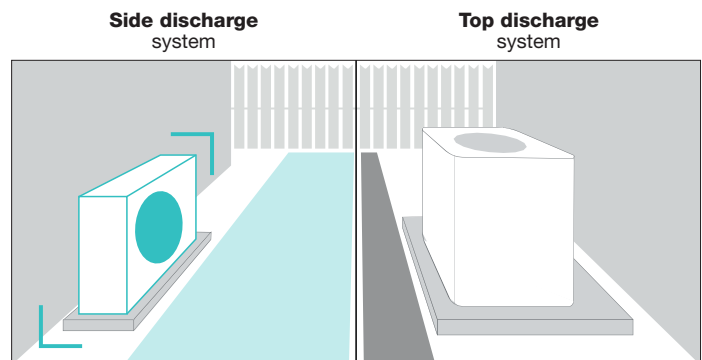
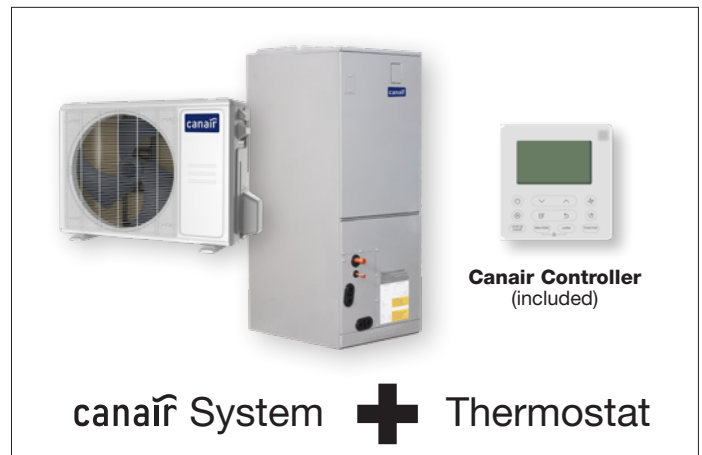
A slimmer design that is lighter than top discharge systems, providing unparalleled flexibility in terms of adapting to different home spaces.

### 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.

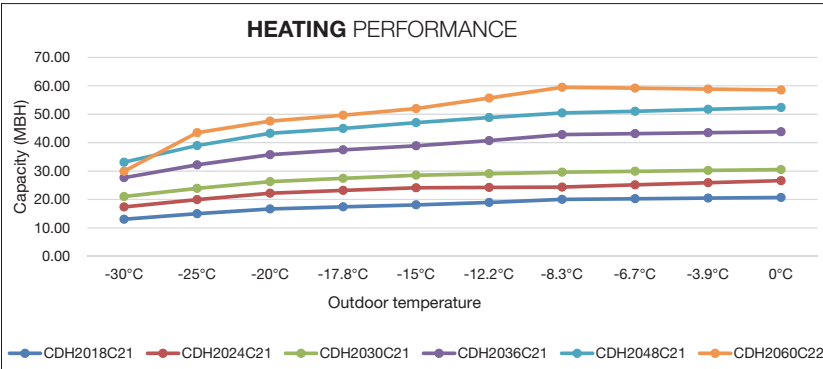


# MULTIPLE CAPACITY SOLUTIONS



## 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	
<b>ELECTRICAL DATA</b>								
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	
<b>DIMENSIONS AND WEIGHT</b>								
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	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 7/8	
	Max. refr. pipe length	ft	98	164	164	213	213	213
	Max. diff. in level	ft	65	82	82	98	98	98
Thermostat type		Wired	Wired	Wired	Wired	Wired	Wired	
Operating temperature	Cooling	°C	-15~50					
		°F	5~122					
Operating temperature	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

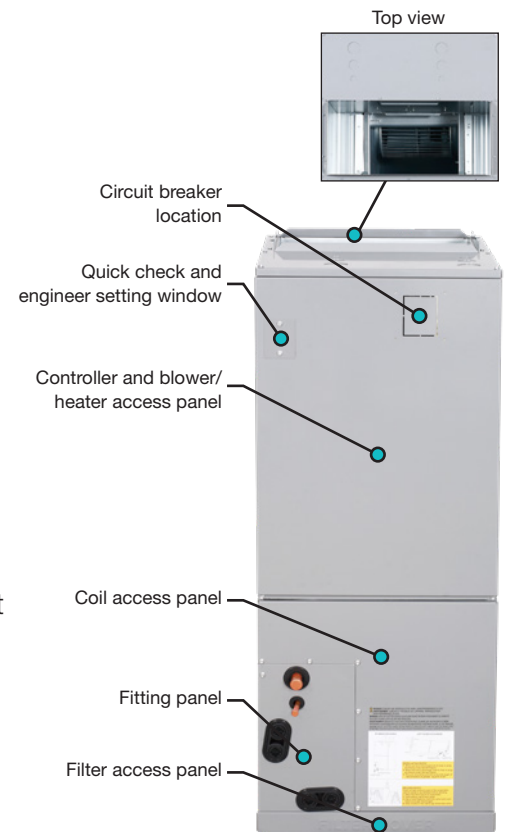
Simplified filter maintenance.

### 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"

<b>1.5 tons</b>	18 k
<b>2 tons</b>	24 k

21" x 21" x 49"

<b>2.5 tons</b>	30 k
<b>3 tons</b>	36 k
<b>4 tons</b>	48 k

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

<b>5 tons</b>	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	18	23	30							18	23	30
EAH-10B(UL)	10	36	46	60							36	46	60
EAH-15B(UL)	15	18	23	30	36	46	60				54	69	90
EAH-20B(UL)	20	36	46	60	36	46	60				72	92	120
EAH-25B(UL)	25	18	23	30	36	46	60	36	46	60	90	115	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		●	●	●	●	●	●
		●	●	●	●		
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



## A-COIL

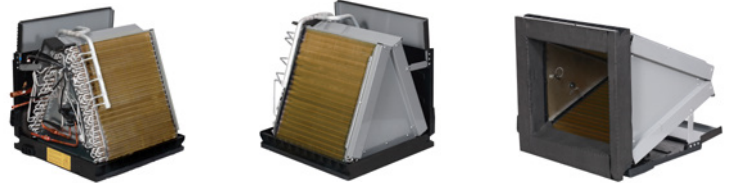
The tubes and fins of the coil are made entirely of aluminium, which protects from the corrosive elements circulating inside house as well as offering maximum heat transfer.

## DURABLE CABINET

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

## INSTALLATION

Vertical up, vertical down or horizontal.



Exclusive distributor



Proud family and Quebec owned company since 1971



Platinum member

[descair.ca](http://descair.ca)

514 744-6751 or 1 855 326-6752

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**INVERTER TECHNOLOGY**

