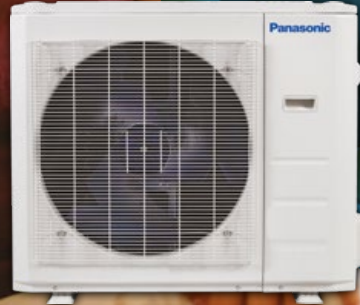


Panasonic

Side Discharge Central Heating and
Cooling Heat Pump System

INTERIOS™ Serie

Extreme Heat Pump for cold climate



Ingenious Flexibility

100%

HEATING OUTPUT
down to -20°C (-4°F)
with COP up to 2.0

-30°C (-22°F)

CONTINUOUS OPERATION
as cold as -30°C (-22°F)

For areas that experience extreme cold, Panasonic offers a top-notch solution: the INTERIOS Side Discharge Heat Pump Serie. The INTERIOS condenser unit is capable of delivering 100% heating output down to -20°C (-4°F), also offering superior heating down to -30°C (-22°F).

Features

- Up to 18.0 SEER2
- Available in 1.5 to 5 ton models
- Superior low ambient heat output: 100% output down to -20°C (-4°F) with COP up to 2.0, continuous operation as cold as -30°C (-22°F)⁽¹⁾
- User customizable set point for heat pump to auxiliary heat change over temperatures
- Reduced replacement installation cost by using existing refrigerant lines and control wiring⁽²⁾
- Advanced inverter control
- Intelligent diagnostics and adaptive control system

Exclusive distributor in Quebec

DESCAIR
descair.ca

⁽¹⁾ Depending on model

⁽²⁾ Refer to the installation manual for details on compatibility requirements

Exclusive **BI-COMM** Technology

Compatible with
485 & 24V

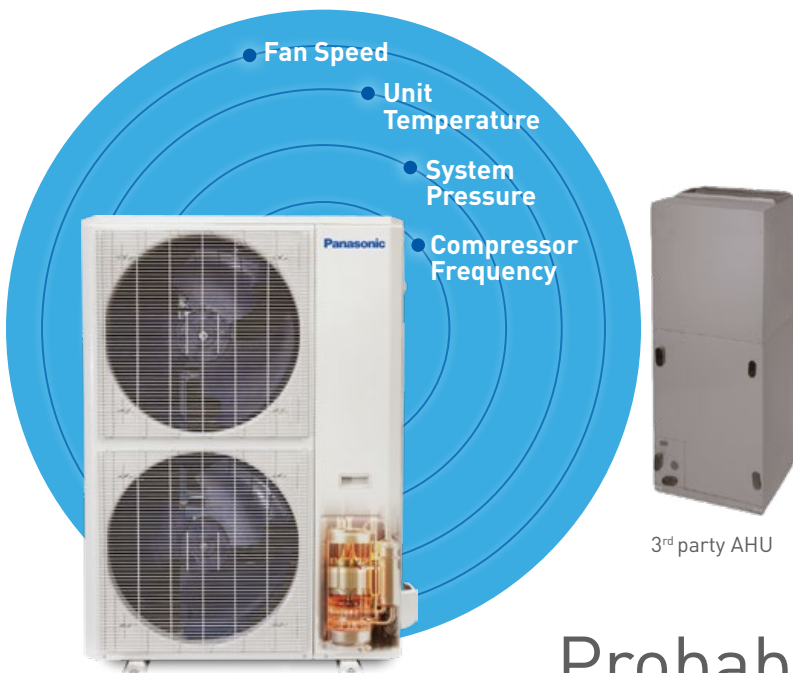
COMMUNICATION MODE

The Panasonic heat pump unit is able to precisely receive and process signals from the communicating air handler to manage the air temperature and airflow inside a home and maintain them at the most comfortable level.



SELF-ADAPT MODE

The Panasonic inverter heat pump has the ability to analyze the temperature and pressure change of the unit to adjust system operation. When matching the heat pump to existing equipment, even non-communicating, the system can function effectively as a communicating inverter combination so that homeowners can enjoy the benefits of inverter technology.



Probably **the Most Flexible** Heating Upgrade Solution Ever

The Panasonic system can flexibly mix and match with most other brand indoor units, outdoor units and thermostats, even without changing electrical wiring or refrigerant lines.

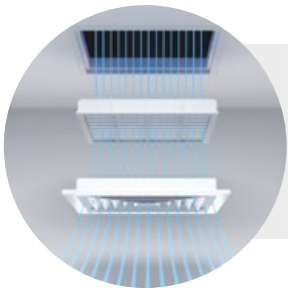


Core Features

Air Handling Unit

COMPUTATIONAL CONSTANT AIRFLOW

Computational Constant Airflow with an advanced algorithm automatically measures static pressure issues caused by blocked coils, dirty filters, kinks in ducts, etc. The ECM motor reacts to these conditions, adjusting the output power and fan speeds to ensure optimized airflow.



CONSTANT AIRFLOW

The Panasonic air handler is capable of ensuring optimal airflow even when the air passes through a high-density MERV13 filter.



Easy to Install & Maintain



Multi-Position Air Handler

Vertical or horizontal flexible installation.



Slide-Out Fan

Easily take out the fan motor for maintenance.



Magnetic Filler Cover

1 Click to replace the standard filter.



Easy-Access

Just remove 2 screws for access to the electrical board, blower and heater.



Intelligent Diagnostics

Easily accessible error code display.



Features

Panasonic INTERIOS™

Cased coil

The tubes and fins of the coil are made entirely of aluminum, which protects you from the corrosive elements circulating inside the house as well as offering maximum heat transfer. This allows for reliable and efficient operation.


















DURABLE CABINET

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

INSTALLATION

Vertical up, vertical down or horizontal.

Serie			18K	24K	30K	36K	48K
Cased coil model			CS-HE24YAC6	CS-HE24YAC6	CS-HE30YAC6	CS-HE36YAC6	CS-HE48YAC6
Compatible outdoor unit			CU-HE18YAHK6	CU-HE24YAHK6	CU-HE30YAHK6	CU-HE36YAHK6	CU-HE48YAHK6
AHRI			213082093	212396505	212396506	212396507	212396508
Certifications							
		FGP ¹					
		PGP ²					
SEER2			16.5	16.8	15.5	15.2	14.3
HSPF2 Region IV			9.5	9.5	9.7	10.0	9.0
HSPF2 Region V			7.8	7.7	7.7	8.0	7.5
COP at -15°C (at max. capacity)			2.20	1.95	1.85	2.0	1.8
Regulator type			TXV	TXV	TXV	TXV	TXV
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 3/4"
Drain pipe outdoor diameter		in	3/4"	3/4"	3/4"	3/4"	3/4"
Air supply duct size		in	17-1/2 x 21	17-1/2 x 21	21 x 21	21 x 21	21 x 21
Dimensions	W x D x H	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
Net weight		lbs	42.77	42.77	64.37	64.37	65.26

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.



Model	Indoor unit	CS-HE18YAHK6	CS-HE24YAHK6	CS-HE30YAHK6	CS-HE36YAHK6	CS-HE48YAHK6	CS-HE60YAHK6
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	5
Motor	HP	1/3 HP	1/2 HP	1/2 HP	1/2 HP	3/4 HP	1 HP
Indoor air flow (turbo/hi/mid/low)	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
Eternal static pressure (ESP)	In. wc.	0-0.8	0-0.8	0-0.8	0-0.8	0-0.8	0-0.8
Indoor noise level (hi/mid/low)	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 ratings							
Power supply	V,Ph,Hz	208-230V/1/60	208-230V/1/60	208-230V/1/60	208-230V/1/60	208-230V/1/60	208-230V/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	lbs	106	106	130	130	131	221






















		#1 Circuit			#2 Circuit			#3 Circuit			Total		
Kw	Model	AMP	MCA	MOP	AMP	MCA	MOP	AMP	MCA	MOP	AMP	MCA	MOP
5	CZ-FE05P	20	27	30							20	27	30
10	CZ-FE10P	40	53	60							40	53	60
15	CZ-FE15P	20	27	30	40	53	60				60	80	90
20	CZ-FE20P	40	53	60	40	53	60				80	106	120
25	CZ-FE25P	20	27	30	40	53	60	40	53	60	100	133	150

Panasonic INTERIOS™

Heat Pump



Model	Indoor Unit		CS-HE18YAHK6	CS-HE24YAHK6	CS-HE30YAHK6	CS-HE36YAHK6	CS-HE48YAHK6	CS-HE60YAHK6
	Outdoor Unit		CU-HE18YAHK6	CU-HE24YAHK6	CU-HE30YAHK6	CU-HE36YAHK6	CU-HE48YAHK6	CU-HE55YAHK6
AHRI			212396492	212396493	212396494	212396495	212396496	212396497
Certifications								
	FGP ¹							
	PGP ²							
Performance								
SEER2 [AHRI 210/240-2023]	Cooling/Heating capacity	Btu/hr.	18,000 / 19,000	24,000 / 24,000	30,000 / 33,000	36,000 / 40,000	47,000 / 50,000	55,000 / 59,000
	SEER2	Btu/w	18.0	17.4	16.2	16.0	15.6	15.3
	HSPF2 Region IV	Btu/w	9.3	10.0	8.9	9.5	9.4	9.4
	HSPF2 Region V	Btu/w	7.6	8.0	7.0	7.8	7.7	7.6
Heating at 5°F (-15°C)	Rated capacity	Btu/hr.	16,500	22,600	24,000	34,400	46,000	48,500
	COP	W/W	2.04	1.91	1.80	1.97	1.9	1.91
Max. outdoor noise level		dB(A)	58	64	62	64	64	61
Electrical ratings (outdoor unit)								
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	16	20,5	23	30	42	42
Max. fuse		A	20	35	35	50	50	60
Dimensions and weight (outdoor unit)								
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
Precharged		ft	24.6	24.6	24.6	24.6	24.6	25
Additional refrigerant charge		oz/ft	0.69	0.69	0.69	0.69	0.69	0.69
Refrigerant piping		Liquid/Gas	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"
Max. refrigerant pipe length		ft	98	164	164	213	213	213
Max. height difference		ft	65	82	82	98	98	98
Thermostat type			Wired	Wired	Wired	Wired	Wired	Wired
Operating temperature	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
		°F	5 ~ 122	5 ~ 122	5 ~ 122	5 ~ 122	5 ~ 122	5 ~ 122
	Heating	°C	-30 ~ 24	-30 ~ 24	-30 ~ 24	-30 ~ 24	-30 ~ 24	-30 ~ 24
		°F	-22 ~ 75	-22 ~ 75	-22 ~ 75	-22 ~ 75	-22 ~ 75	-22 ~ 75

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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.

*Panasonic basic warranty (residential): 10 years compressor and 10 years parts. 10 years labor limited warranty is offered by Descair in Quebec only.

Because its products are subject to continuous improvements, Panasonic reserves the right to modify product design and specifications without notice and without incurring any obligations.

Exclusive distributor in Quebec

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WARNING

Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for the damage and deterioration in safety due to usage of other refrigerant.