

Panasonic

NORDICS



INTERIOS
Central Heat Pump Systems

Inverter Heat Pump and Air Handler System



Comfort
Enhancement
Made Easy for
Every Home



Standard Features



- Up to 18.4 SEER2
- Available in 1.5-5 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

(1) [Model dependent](#)

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



- Multi position (up/down/left/right)
- ECM up to 0.8 in. wc; stand pressure up to 1.0 in. wc
- Compatible with both 24V and 485 communication modes
- Aluminum evaporator coil
- Optional auxiliary heat kit up to 25kW
- Quiet Operation – inverter system running at significantly lower dB level

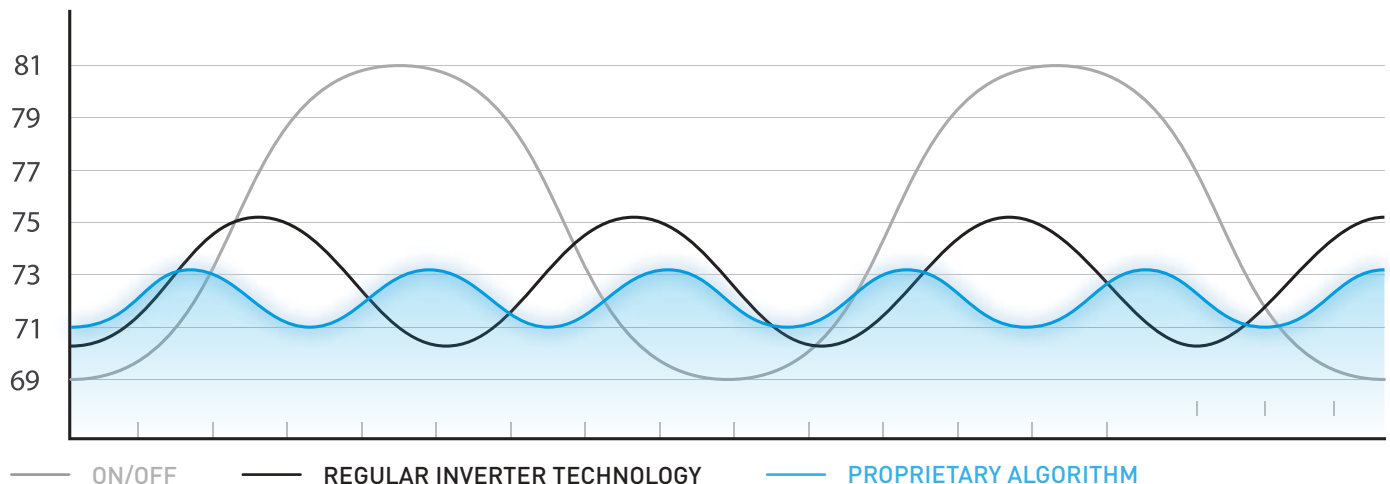
Core Features

Panasonic Inverter Heat Pump

ADVANCED INVERTER CONTROL

Minimal Indoor Temperature Fluctuation

Set Temperature: 22°C (72°F)



Proprietary algorithms enable a more precise analysis of indoor temperature variations and an optimization of the compressor in advance to reduce the temperature fluctuation. This means that compared to standard inverter technology, this advanced inverter technology provides more accurate temperature control, providing a consistent, and comfortable environment.



**FLASH
COOLING/HEATING**



**ULTRA STABLE ROOM
COMFORT**



**LOWER
OPERATING COST**

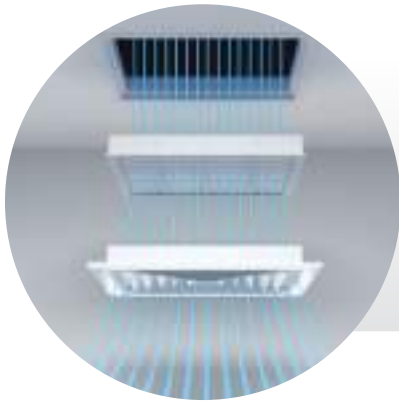


Core Features

Panasonic 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.



CONVENIENT INSTALLATION

Constant CFM can adapt to the existing ductwork design, this enables the installer to be free from complicated manual air balance testing.



OPTIMAL COMFORT

Constant CFM can adapt to the pressure changes inside the ductwork as the system operates, guaranteeing constant and optimal airflow moving through the system.



HIGHER EFFICIENCY

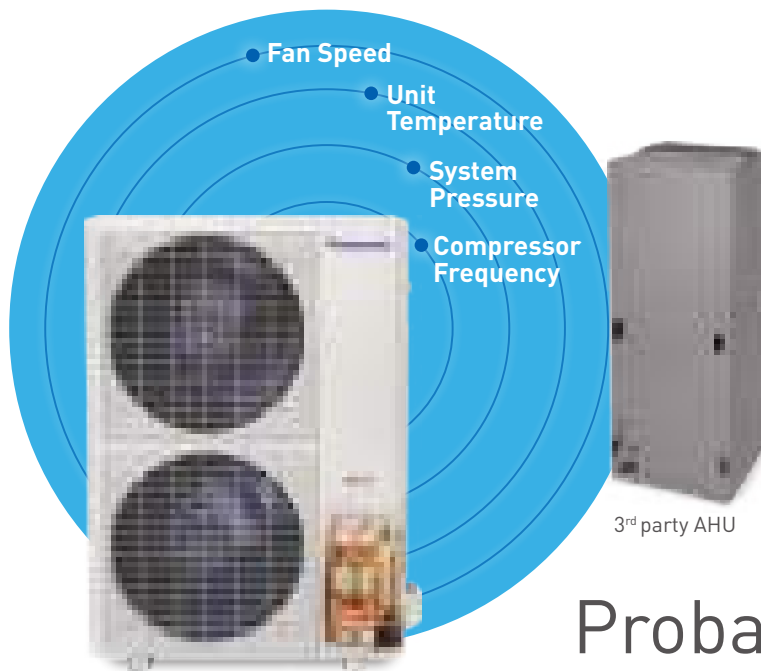
By delivering the right amount of airflow the system can effectively reduce energy waste due to excess airflow.

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.

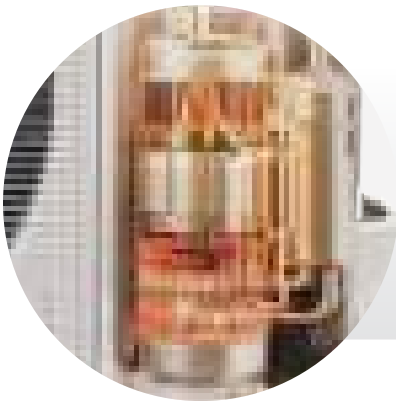
Probably the **Most Flexible** Heating Upgrade Solution Ever

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.



Real Inverter Benefits For All

Inverter Heat Pump Condenser



UP TO 30% ENERGY SAVING

High efficiency Inverter compressor that ensures both energy saving & comfort.



QUIET OPERATION

As low as 59 dBA with a 1.5 ton inverter heat pump.



FAST HEATING AND COOLING

Faster comfort with our advanced compressor activation technology.



Enjoy Optimal Comfort

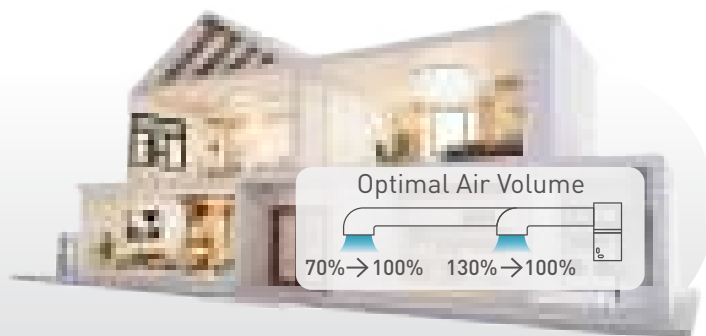
with the full system set



ULTRA STABLE ROOM TEMPERATURE

OPTIMAL AIRFLOW DELIVERY

Computational Constant Airflow.



Adaptable Heating Combination

Combo heat

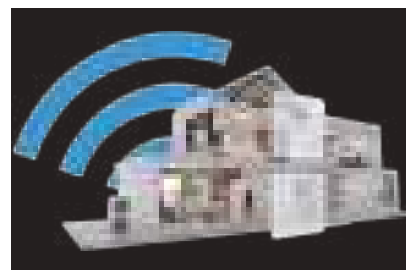
Auxiliary heat kits available to offer the best heating combination and balance between rapid heating and energy-savings.



Quiet Operation

Inverter technology

As low as 35 dBA with a 1.5 ton air handling unit;
As low as 59 dBA with a 1.5 ton inverter heat pump.



Easy Control

Wi-fi Control & Dual Control

Easily control the system through simple APP controls or voice commands;
Compatible with two wired controllers for convenient control on different floors.

Ingenious Flexibility



There is a solution for
any climate condition

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)



Extreme Heat Pump

Panasonic Extreme Heat Pumps are able to deliver 100% heating output at -15°C (5°F), ensuring uninterrupted warmth for moderate winters. For areas that experience extreme cold, Panasonic offers a top-notch solution. The Panasonic Extreme condenser unit is capable of delivering 100% or more heating output down to -20°C (-4°F), also offering superior heating performance down to -30°C (-22°F), outdoor temperatures.



Auxiliary Heat Kit Combinations

Auxiliary heat kits can be added to the heat pump system, so both the fast and intense heat from the electric heater, and the efficient and stable heat generated by the heat pump can be offered. Programmable control enables customized heat pump to electric heat switch over temperatures, that means customers can choose the best heating combination for the climate they live in.

Compact Size **Fits Any Space**

Thinner design and lighter weight provides unmatched flexibility to fit in any unique home space.



BACKYARD



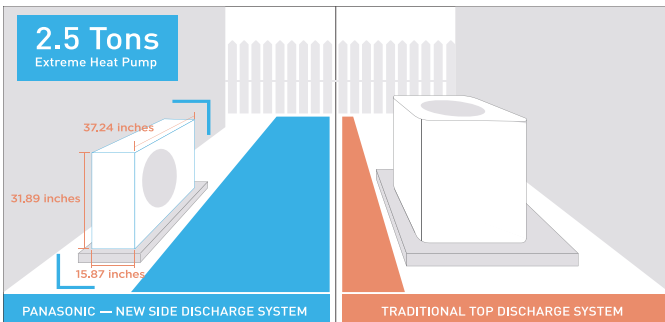
PATIO



ROOF/TERRACE/BALCONY

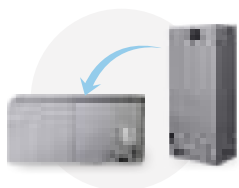


ZERO LOT LINE



- Fit more in your tech van or truck; 4-5 units as opposed to 1 or 2 traditional.
- Easy to bring to the installation site and install on pad – the single fan unit can be transported by a single worker.

Easy to **Install & Maintain**



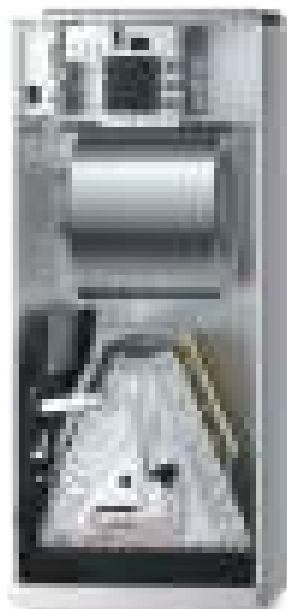
Multi-Position Air Handler

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.



Hybrid HVAC Solution

High Efficiency Performance All Year Round

SEER2 Up To **16.8** | EER2 Up To **11.7** | HSPF4 Up To **10**

ENERGY STAR® Cold Climate certified & NEEP certified



Panasonic A-Coil Heat Pump

Powerful Low-ambient Heating

80%

Heating Output
at **-15°C (5°F)**

Continuous Operation
as Low as

-35°C (-31°F)

EASY TO ENJOY



Cooling Season

An inverter Heat Pump can drastically reduce your energy bills by providing high efficiency cooling.

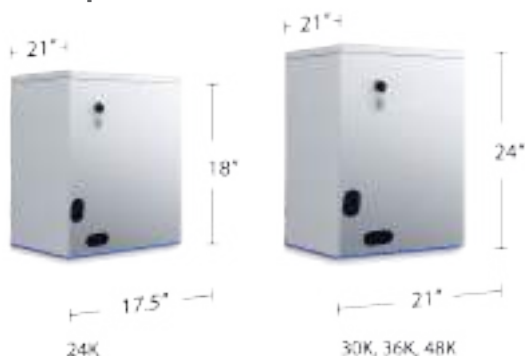
Heating Season

You can enjoy both reliable & efficient warmth with a combination of gas furnace heating & heat pump heating.

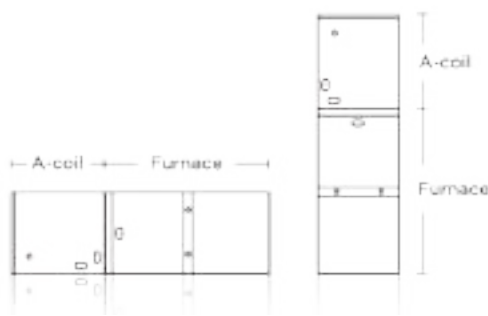


EASY TO FIT

The Most Complete
Size Options



The Flexible
Multipurpose Design



Uncased
and Cased



Don't just breathe, Breathe Well.

Many of our breaths go unnoticed, some feel very special. But what they all have in common is they fuel, comfort and energize us, making each and every one vital – not only to our survival but to our quality of life.

AT PANASONIC, WE BELIEVE YOU HAVE THE CHOICE TO BREATHE WELL

Panasonic's expertise in air purification & circulation, heating & cooling, and ventilation & filtration ensures our homes, workplaces and businesses have the freshest, cleanest air possible, free of harmful substances so that only the healthiest air remains.

Choose to Breathe Well and know that with each breath you take – including every breath of delight, every breath of surprise, every breath of relief and every breath of excitement – you'll not only be breathing well but living well.



CLEAN: PURIFICATION & CIRCULATION

Our air purification technology and air cleaning generators get stale air moving and purified as odours and contaminants are removed and/or neutralized. Turn bad, stagnant air into cleaner, circulated air free of harmful substances.

COMFORT: HEATING & COOLING

Our wide range of versatile heating and cooling solutions include single-split systems and multi-split systems. With built-in air and surface purification nanoe™ X technology and whisper-quiet operation, ambient temperature and humidity levels are maintained in the healthiest optimal range.

FRESH: VENTILATION & FILTRATION

Our Whisper ventilation fans and energy recovery ventilators refresh indoor spaces by filtering and bringing air in from the outside and venting out harmful carbon monoxide (CO), allergens and moisture from stuffy, damp indoor air. Breathe easier and feel energized with cleaner, fresher, well-ventilated air.



breathe well

The Only Complete Air Quality Solution™

HE

Panasonic

Extreme Heat Pump

Model	Indoor Unit		CS-HE18YAHK6	CS-HE24YAHK6
	Outdoor Unit		CU-HE18YAHK6	CU-HE24YAHK6
Performance				
Power Supply		V, Ph,Hz	208~240, 1, 60	208~240, 1, 60
SEER2 <small>[AHRI 210/240-2023]</small>	Cooling/Heating Capacity	Btu/h	18 000 / 19 000	24 000 / 24 000
	SEER2	Btu/w	18	17.4
	EER2	Btu/w	12.4	11.7
	HSPF2 4 / 5	Btu/w	9.3 / 7.6	10 / 8
Heating at -15°C (5°F)	Rated capacity	Btu/h	16 500	22 600
	COP	W/W	2.04	1.91
Indoor Unit				
Air Flow Volume	H/M/L	CFM	576 / 529 / 488	758 / 694 / 629
Noise Level	H/M/L	dB(A)	36 / 34 / 32	43 / 40.5 / 35
Net Dimension	W×D×H	mm	534 × 445 × 1143	534 × 445 × 1143
	W×D×H	inch	21.02 × 17.52 × 45.00	21.02 × 17.52 × 45.00
Power Specification	MCA / MOCP	A	16 / 20	19 / 30
	Line Diameter	AWG	12	12
Net/Gross Weight		kg	48 / 58.7	47.9 / 57.8
		lbs	105.82 / 129.41	105.60 / 127.43
Stuffing Quantity				
Stuffing Quantity	20'/40'/40'HO	Indoor Unit	39 / 82 / 154	39 / 82 / 154



CS-HE30YAHK6	CS-HE36YAHK6	CS-HE48YAHK6	CS-HE60YAHK6
CU-HE30YAHK6	CU-HE36YAHK6	CU-HE48YAHK6	CU-E55YAHK6
208~240, 1, 60	208~240, 1, 60	208~240, 1, 60	208~240, 1, 60
30 000 / 33 000	36 000 / 40 000	47 000 / 50 000	55 000 / 59 000
16.2	16	15.6	15.3
9.8	9.8	8.2	8.8
8.9 / 7	9.5 / 7.8	9.4 / 7.7	9.4 / 7.6
24 000	34 400	46 000	48 500
1.77	1.97	1.9	1.91
894 / 805 / 711	1082 / 970 / 864	1282 / 1094 / 905	1582 / 1358 / 1135
43 / 40 / 30.5	46.8 / 44 / 41.3	53 / 50 / 46	52.5 / 49 / 44
534 × 534 × 1245	534 × 534 × 1245	534 × 534 × 1245	534 × 622 × 1346
21.02 × 21.02 × 49.02	21.02 × 21.02 × 49.02	21.02 × 21.02 × 49.02	21.02 × 24.49 × 52.99
23 / 35	41 / 50	42 / 50	42 / 60
10	8	6	6
58.6 / 70.6	58.6 / 70.6	58.6 / 70.6	58.6 / 70.6
129.19 / 155.64	129.19 / 155.64	129.19 / 155.64	129.19 / 155.64
27 / 57 / 57	27 / 57 / 57	27 / 57 / 57	27 / 54 / 54

Extreme Heat Pump

Regular Heat Pump

Air Handling Unit

A-Coil



Panasonic

Regular Heat Pump

Model	Indoor Unit		CS-HE18YAHK6	CS-HE24YAHK6
	Outdoor Unit		CU-E18YAHK6	CU-E24YAHK6
Performance				
Power Supply		V, Ph,Hz	208~240, 1, 60	208~240, 1, 60
SEER2 <small>[AHRI 210/240-2023]</small>	Cooling/Heating Capacity	Btu/h	18 000 / 19 000	24 000 / 24 000
	SEER2	Btu/w	17	17
	EER2	Btu/w	10.9	10.5
	HSPF2 4 / 5	Btu/w	8.8 / 6.9	9.2 / 7.6
Heating at -15°C (5°F)	Rated capacity	Btu/h	11 000	19 400
	COP	W/W	2.0	2.1
Indoor Unit				
Air Flow Volume	H/M/L	CFM	576 / 529 / 488	758 / 694 / 629
Noise Level	H/M/L	dB(A)	36 / 34 / 32	43 / 40.5 / 35
Net Dimension	W×D×H	mm	534 × 445 × 1143	534 × 445 × 1143
	W×D×H	inch	21.02 × 17.52 × 45.00	21.02 × 17.52 × 45.00
Power Specification	MCA / MOCP	A	16 / 20	19 / 30
	Line Diameter	AWG	12	12
Net/Gross Weight		kg	48 / 58.7	47.9 / 57.8
		lbs	105.82 / 129.41	105.60 / 127.43
Stuffing Quantity				
Stuffing Quantity	20'/40'/40'HO	Indoor Unit	39 / 82 / 154	39 / 82 / 154



Extreme Heat Pump

Regular Heat Pump

Air Handling Unit

A-Coil

CS-HE30YAHK6	CS-HE36YAHK6	CS-HE48YAHK6	CS-HE60YAHK6
CU-E30YAHK6	CU-E36YAHK6	CU-E60YAHK6	CU-E60YAHK6
208~240, 1, 60	208~240, 1, 60	208~240, 1, 60	208~240, 1, 60
30 000 / 33 000	36 000 / 40 000	47 000 / 50 000	55 000 / 59 000
17.3	16.9	15.8	14.7
10.6	10.1	8.8	8.8
8.5 / 6.6	8.2 / 6.1	9.4 / 7.5	8.5 / 6.7
17 800	20 500	36 000	34 600
1.7	1.9	1.95	1.9
894 / 805 / 711	1082 / 970 / 864	1282 / 1094 / 905	1582 / 1358 / 1135
43 / 40 / 30.5	46.8 / 44 / 41.3	53 / 50 / 46	52.5 / 49 / 44
534 × 534 × 1245	534 × 534 × 1245	534 × 534 × 1245	534 × 622 × 1346
21.02 × 21.02 × 49.02	21.02 × 21.02 × 49.02	21.02 × 21.02 × 49.02	21.02 × 24.49 × 52.99
20 / 35	24 / 40	34 / 50	34 / 60
12	10	8	8
58.6 / 70.6	58.6 / 70.6	59.2 / 70.9	73.8 / 86.5
129.19 / 155.64	129.19 / 155.64	130.51 / 156.31	162.70 / 190.70
27 / 57 / 57	27 / 57 / 57	27 / 57 / 57	27 / 54 / 54

Panasonic

Air Handling Unit

Series			18K	24K
Panasonic Indoor Unit Model			CS-HE18YAHK6	CS-HE24YAHK6
Power Supply	Rated	V, Ph, Hz	208~240, 1, 60	208~240, 1, 60
Indoor Air Flow (Hi/Mi/Lo)		CFM	576.47 / 529.41 / 488.24	758.82 / 694.12 / 629.41
Indoor Noise Level (Hi/Mi/Lo)		dB(A)	36 / 34 / 32	43 / 40.5 / 35
Eternal Static Pressure (ESP)	Range	In. wc.	0~0.8	0~0.8
Throttle Type		Btu/w	EEV for Cooling	EEV for Cooling
Indoor Unit	Dimension (W×D×H)	inch	21.02 × 17.52 × 45.00	21.02 × 17.52 × 45.00
	Min CKT / Breaker	A	2.5 / 15	4 / 15
	Net/Gross Weight	lbs	105.82 / 129.41	105.60 / 127.43
Refrigerant Piping	Liquid Side/Gas Side	inch	3/8" / 3/4"	3/8" / 3/4"
Drainage Water Pipe Diameter		inch	3/4	3/4
Communication Protocol Between IDU and ODU			RS485+24V	RS485+24V
Thermostat Type	Wireless Remote Controller		Standard	Standard
	Programmable Wired Controller		Standard	Standard
	WiFi		Optional	Optional
Qty. per 20'/40'/40'/ HQ	Indoor Unit		39 / 82 / 154	39 / 82 / 154



Extreme Heat Pump

Regular Heat Pump

Air Handling Unit

A-Coil

30K	36K	48K	60K
CS-HE30YAHK6	CS-HE36YAHK6	CS-HE48YAHK6	CS-HE60YAHK6
208~240, 1, 60	208~240, 1, 60	208~240, 1, 60	208~240, 1, 60
894.12 / 805.88 / 711.76	1082.35 / 970.59 / 864.71	1282.35 / 1094.12 / 905.88	1582.35 / 1358.82 / 1135.29
43 / 40 / 30.5	46.8 / 44 / 41.3	53 / 50 / 46	52.5 / 49 / 44
0~0.8	0~0.8	0~0.8	0~0.8
EEV for Cooling	EEV for Cooling	EEV for Cooling	EEV for Cooling
21.02 × 21.02 × 49.02	21.02 × 21.02 × 49.02	21.02 × 21.02 × 49.02	21.02 × 24.49 × 52.99
4.5 / 15	5 / 15	7.5 / 15	9 / 15
129.19 / 155.64	129.19 / 155.64	130.51 / 156.31	162.70 / 190.70
3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 7/8"
3/4	3/4	3/4	3/4
RS485+24V	RS485+24V	RS485+24V	RS485+24V
534 × 534 × 1245	534 × 534 × 1245	534 × 534 × 1245	534 × 622 × 1346
Standard	Standard	Standard	Standard
Optional	Optional	Optional	Optional
27 / 57 / 57	27 / 57 / 57	27 / 57 / 57	27 / 57 / 57

Panasonic

Auxiliary Heat Module



ONLY FOR HEAT FUNCTION MODELS

For installations requiring supplemental heating, the optional Electric Auxiliary Heat Module is available in sizes from 3kW to 25kW to accommodate appropriate sizing given the specific heat load and electrical requirements of each installation. Please refer to this table for selection of available sizes of each model, being sure to avoid improper matching.

Model (Btu/h)	3kW CZ-FE03P	5kW CZ-FE05P	8kW CZ-FE08P	10kW CZ-FE10P	15kW CZ-FE15P	20kW CZ-FE20P	25kW CZ-FE25P
18 000	○	○	○	○	×	×	×
24 000	×	○	○	○	○	×	×
30 000	×	○	○	○	○	×	×
36 000	×	○	○	○	○	○	×
48 000	×	×	○	○	○	○	×
60 000	×	×	×	○	○	○	○

Panasonic

A-Coil Cold Climate



Model	Indoor Unit		CS-HE24YAC6	CS-HE24YAC6	CS-HE30YAC6	CS-HE36YAC6	CS-HE48YAC6
	Outdoor Unit		CU-HE18YAHK6	CU-HE24YAHK6	CU-HE30YAHK6	CU-HE36YAHK6	CU-HE48YAHK6
Performance							
Power Supply		V, Ph, Hz	208~240, 1, 60	208~240, 1, 60	208~240, 1, 60	208~240, 1, 60	208~240, 1, 60
SEER2 <small>(AHRI 210/240-2023)</small>	Cooling/Heating Capacity	Btu/h	18 000 / 19 000	24 000 / 25 000	30 000 / 33 000	36 000 / 39 000	46 000 / 51 000
	SEER2	Btu/w	16.5	16.8	15.5	14.8	14.3
	EER2	Btu/w	11.7	10.7	10.5	9.8	8.6
	HSPF4	Btu/w	9.5	9.5	9.7	10	9
Heating at 5°F (-15°C)	Rated Capacity	Btu/h	15 000	20 000	27 000	32 000	40 000
	COP	W/W	2.20	1.95	1.85	2	1.8
Indoor Unit							
Air Flow Volume	SCFM		550	720	960	960	1015
Net Dimension	W×D×H	mm	445 × 533 × 457	445 × 533 × 457	533 × 533 × 609	533 × 533 × 609	533 × 533 × 609
	W×D×H	inch	17.52 × 20.98 × 17.99	17.52 × 20.98 × 17.99	20.98 × 20.98 × 23.98	20.98 × 20.98 × 23.98	20.98 × 20.98 × 23.98
Packing Dimension	W×D×H	mm	505 × 650 × 490	505 × 650 × 490	595 × 650 × 645	595 × 650 × 645	595 × 650 × 645
	W×D×H	inch	19.88 × 25.59 × 19.29	19.88 × 25.59× 19.29	23.43 × 25.59 × 25.39	23.43 × 25.59 × 25.39	23.43 × 25.59 × 25.39
Net/Gross Weight		kg	19.4 / 23.6	19.4 / 23.6	30.2 / 35	30.2 / 35	30.2 / 35
		lbs	42.77 / 52.03	42.77 / 52.03	66.58 / 77.16	66.58 / 77.16	66.58 / 77.16

Extreme Heat Pump

Regular Heat Pump

Air Handling Unit

A-Coil

NORDICS



Nordics Inc.
8-615 Bowes Road
Concord, ON
L4K 1J5

www.nordics.ca

(905) 707-5300
1 (844) 707-5300

hello@nordics.ca

Panasonic

Panasonic Canada Inc.
Life and Device Solutions Division
5770 Ambler Dr., Mississauga, ON
L4W 2T3 CANADA

To Learn More Visit:
na.panasonic.com/ca/hvac
Customer Service:
800-669-5165