

Panasonic

EXTERIOS **E**

WALL MOUNTED HEAT PUMP



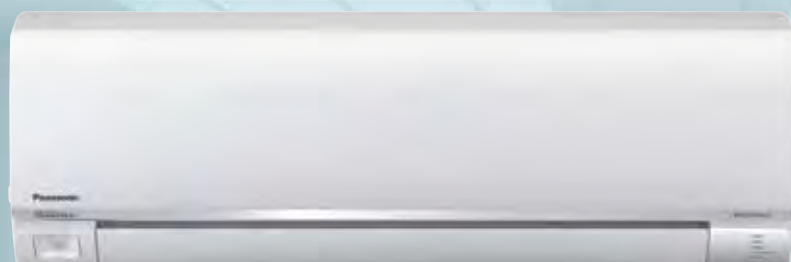
ECONAVI

INVERTER



Up to
SEER
23.0

A New Level of Comfort with Innovative Energy-Saving Technologies and Powerful Cooling and Heating



Indoor Unit
CS-E9RKUAW / CS-E12RKUAW

Wired Remote
Controller
CZ-RD516C-1 (Optional)



Wireless Remote
Controller



Outdoor Unit
CU-E9RKUA
CU-E12RKUA

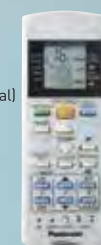


Indoor Unit
CS-E18RKUAW / CS-E24RKUAW
Cooling only operation may be configured during installation.

Wired Remote
Controller
CZ-RD516C-1 (Optional)



Wireless Remote
Controller



Outdoor Unit
CU-E18RKUA
CU-E24RKUA



Up to
SEER
23.0

Best-in-class Energy Efficiency

An energy-efficient home is key to enjoying a comfortable, eco-friendly lifestyle. Panasonic air conditioners are built with the latest advanced technology for maximum energy savings.

LOW
AMBIENT
OPERATION

Powerful Heating at Low Ambient Temperatures

Enjoy reliable comfort in the harshest winters, even in temperatures as low as -5°F. Our compressors use the best cold-resistant components ensuring consistent high performance in all weather conditions.

ECONAVI
INVERTER

ECONAVI and Inverter Technology

ECONAVI detects where energy is wasted and adjusts cooling power accordingly. The inverter uses ECONAVI sensor data and varies compressor rotation speed to optimize cooling operation and save energy.





Absence Detection

Reduces cooling and heating power when you are not in the room.



Activity Detection

Adjusts cooling and heating power to your activities.



Human Activity Sensor



ECONAVI in cooling mode: *The target temperature set by ECONAVI will be restored automatically to the set temperature when a new condition is detected.

ECONAVI

Discover the waste to discover energy savings

Panasonic developed the world's first ECONAVI in 2007 and it's been in production ever since. ECONAVI detects when people are in a room and the level of activity/motion, then automatically adjusts room temperature for optimum comfort and energy efficiency. Cooling is decreased when a room is vacant or when less activity is detected.



Activity Detection

ECONAVI detects changes in activity levels and reduces the cooling power by adjusting set temperature.



Level of activity is decreased. Detects low activity.

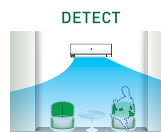


Reduces cooling power by setting new target temperature (set temp. +2°F)



Absence Detection

ECONAVI detects human absence in the room and raises the target temperature.



No one is in the room. Detects absence.



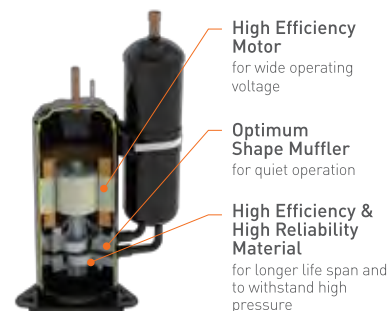
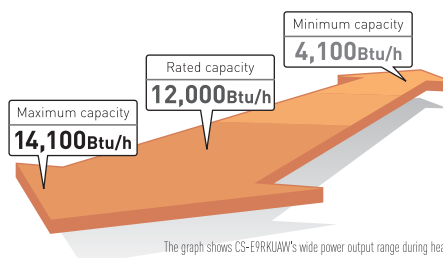
Gradually modulates cooling power by setting the new target temperature (set temp. +4°F)

INVERTER

Inverter Compressor

Panasonic's Inverter Compressor achieves high efficiency under high-load conditions. Proven superior quality and reliability with 200 million compressors produced.

Wider Output Power Range



Exclusive Features |



Low Ambient Operation

Heating and cooling is possible when outside temperatures are below freezing.

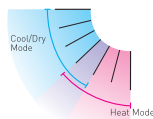
Operation Range

	Indoor air intake temperature		Outdoor air intake temperature	
Cooling	DBT	WBT	DBT	WBT
	Max. 89.6°F	Max. 73.4°F	Max. 114.8°F	Max. 78.8°F
Heating	Min. 60.8°F	Min. 51.8°F	Min. 0°F	Min. -
	DBT	WBT	DBT	WBT
	Max. 86.0°F	Max. -	Max. 75.0°F	Max. 64.4°F
	Min. 60.8°F	Min. -	Min. -4°F	Min. -2.2°F



Air Sweep Control

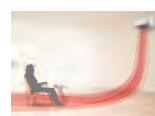
The air sweep function moves the louver up and down in the air outlet, directing air in a "sweeping" motion around the room and providing comfort in every corner.



Two air guides improve air flow direction



Cooling Mode



Heating Mode

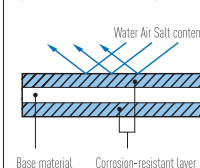


Blue Fin Condenser

Condensers can take a beating from exposure to salty air, rain and other corrosive factors. Panasonic has extended the life of its condensers with an original anti-rust coating.



Special Coating Layer (Fin Cross-section)



Specifications

| Outdoor Unit
Cooling Heating

Model No.	Indoor Unit (Outdoor Unit)		CS-E9RKUAW (CU-E9RKUA)	CS-E12RKUAW (CU-E12RKUA)	CS-E18RKUAW (CU-E18RKUA)	CS-E24RKUAW (CU-E24RKUA)
Performance & Electrical Ratings						
Capacity	Cooling	Btu/h	9,000 (4,100-10,200)	11,500 (4,100-13,300)	17,200 (5,800-19,800)	24,000 (5,800-27,200)
	Heating	Btu/h	12,000 (4,100-14,100)	13,800 (4,100-16,300)	21,600 (5,800-22,000)	28,800 (5,800-29,200)
Moisture Removal	High	Pints/H	1.3	1.7	3.0	7.6
Dry Air Flow	High	CFM	425 / 455	450 / 505	670 / 695	670 / 715
SEER	Cooling		23.00	22.50	19.50	19.00
EER	Cooling		13.00	12.50	13.20	10.20
HSPF	Heating		11.00	11.00	10.00	10.00
Power Supply	V, Phase, Hz		230/208V, 1PH, 60Hz	230/208V, 1PH, 60Hz	230/208V, 1PH, 60Hz	230/208V, 1PH, 60Hz
Running Amps	Cooling	A	3.2/3.6	4.2/4.7	6.3/7.0	10.8/11.9
	Heating	A	5.1/5.7	5.6/6.3	8.3/9.3	11.4/12.6
Power Input	Cooling	W	690 (250-850)	920 (250-1,150)	1,300 (430-1,600)	2,350 (430-2,720)
	Heating	W	1,120 (200-1,500)	1,250 (200-1,710)	1,750 (380-1,800)	2,500 (380-2,660)
Fuse or Circuit Breaker	Capacity	A	15	15	20	25
Features						
Controls			Microprocessor	Microprocessor	Microprocessor	Microprocessor
Low Ambient Control			Equipped	Equipped	Equipped	Equipped
Wireless Remote Controller			Included	Included	Included	Included
Wired Remote Controller (optional)			CZ-RD516C-1	CZ-RD516C-1	CZ-RD516C-1	CZ-RD516C-1
Fan Speeds			5 Speeds + Auto	5 Speeds + Auto	5 Speeds + Auto	5 Speeds + Auto
Timer			24hr Program	24hr Program	24hr Program	24hr Program
Air Deflection	Horizontal		Manual	Manual	Automatic	Automatic
	Vertical		Automatic	Automatic	Automatic	Automatic
Air Filter			Washable + Anti Microbial Filter	Washable + Anti Microbial Filter	Washable + Anti Microbial Filter	Washable + Anti Microbial Filter
Refrigerant			R-410A	R-410A	R-410A	R-410A
Refrigerant Control			Electric Expansion Valve	Electric Expansion Valve	Electric Expansion Valve	Electric Expansion Valve
Operation Sound	In(Hi / Lo / O-Lo)	dB-A	40 / 25 / 20 42 / 29 / 26	43 / 28 / 20 44 / 35 / 32	47 / 39 / 36 46 / 39 / 36	48 / 40 / 37 48 / 40 / 37
	Outdoor(Hi)	dB-A	47 / 48	48 / 49	49 / 51	51 / 53
Refrigerant Piping	Type		Flare	Flare	Flare	Flare
	Discharge	in.	1/4"	1/4"	1/4"	1/4"
	Suction	in.	3/8"	1/2"	1/2"	5/8"
Refrigerant Pipe Length		Ft.	Max. 65.6	Max. 65.6	Max. 100.0	Max. 100.0
Elevation Difference	Outdoor Above	Ft.	Max. 49.2	Max. 49.2	Max. 49.2	Max. 49.2
	Outdoor Below	Ft.	Max. 49.2	Max. 49.2	Max. 49.2	Max. 49.2
Dimensions	Height	in.	11-7/16" (21-9/32")	11-7/16" (21-9/32")	11-7/16" (31-5/16")	11-7/16" (31-5/16")
	Width	in.	34-9/32" (30-23/32")	34-9/32" (30-23/32")	42-5/32" (34-15/32")	42-5/32" (34-15/32")
	Depth	in.	8-7/16" (11-13/32")	8-7/16" (11-13/32")	9-15/32" (12-5/8")	9-15/32" (12-5/8")
Net Weight		Lbs.	20 (82)	20 (82)	26 (132)	26 (132)



Control your heat pump when you're away from home!

Forgot to turn down the heat before leaving home, or want to warm up the house before you arrive? Now you can conveniently control your Panasonic heat pump from your smartphone or web browser. Our new Internet Control Adaptor lets you adjust settings to your desired room temperature from wherever you are.

Internet Control Adaptor

USPA-AC-WIFI-1A

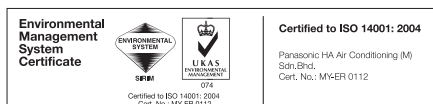
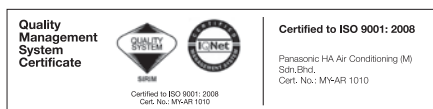
Compatible with
CS-S9/S12NKUA,
CS-E9/E12/E18/E24RKUAW,
CS-XE9/12PKUA



sold separately



Use of the AHRI Certified™ mark indicates a manufacturer's participation in the certification program. For verification of certification for individual products go to www.ahridirectory.org



Serving the US ductless market since 1983

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