CS-Z20VKR | CS-Z25VKR | CS-Z35VKR | CS-Z42VKR
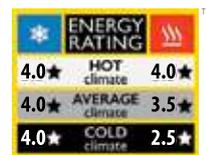
CS-Z50VKR | CS-Z60VKR | CS-Z71VKR | CS-Z80VKR

Wireless Remote Controller

CZ-RD514C Wired Remoted Controller (Optional)

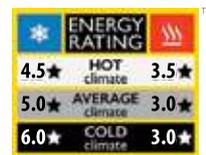CZ-TACG1 Network Adaptor*¹ (Optional)

*Star rating : CS-Z50VKR (Residential)

	HOT climate	AVERAGE climate	COLD climate
❄	4.0★	4.0★	4.0★
🔥	4.0★	3.5★	2.5★

Wireless Remote Controller

CZ-RD514C Wired Remoted Controller (Optional)

CZ-TACG1 Network Adaptor*¹ (Optional)

*Star rating : CS-Z50VKR (Commercial)

	HOT climate	AVERAGE climate	COLD climate
❄	4.5★	5.0★	6.0★
🔥	3.5★	3.0★	3.0★

SPECIFICATIONS

MODEL		(240V / 1 Phase / 50Hz)	CS-Z20VKR [CU-Z20VKR]	CS-Z25VKR [CU-Z25VKR]	CS-Z35VKR [CU-Z35VKR]	CS-Z42VKR [CU-Z42VKR]	CS-Z50VKR [CU-Z50VKR]	CS-Z60VKR [CU-Z60VKR]	CS-Z71VKR [CU-Z71VKR]	CS-Z80VKR [CU-Z80VKR]
Cooling / Heating Capacity	(min-max)	kW	2.05 [0.90-2.40] 2.70 [0.85-4.10]	2.50 [0.90-3.00] 3.20 [0.90-5.00]	3.50 [0.90-4.00] 4.30 [0.90-5.80]	4.20 [0.90-5.00] 5.10 [0.90-7.10]	5.00 [0.95-6.00] 6.00 [1.05-8.00]	6.00 [1.70-7.10] 7.20 [1.70-8.50]	7.10 [1.70-8.10] 8.00 [1.70-9.90]	8.00 [2.30-9.00] 9.00 [2.20-11.00]
	(min-max)	Btu/h	6,990 [3,070-8,180] 9,210 [2,900-14,000]	8,530 [3,070-10,200] 10,900 [3,070-17,100]	11,900 [3,070-13,600] 14,700 [3,070-19,800]	14,300 [3,070-17,100] 17,400 [3,070-24,200]	17,100 [3,240-20,500] 20,500 [3,580-27,300]	20,500 [5,800-24,200] 24,600 [5,800-29,000]	24,200 [5,800-27,600] 27,300 [5,800-33,800]	27,300 [7,840-30,700] 30,700 [7,500-37,500]
Air Flow	Indoor	L/s	168/187	193/203	207/220	222/222	328/332	332/340	355/362	370/370
Dehumid		L/h	1.3	1.5	2.0	2.4	2.8	3.3	4.1	4.7
Electrical Data	Running Current	A	1.95/2.55	2.30/2.90	3.75/4.40	4.70/5.90	5.10/5.80	7.00/7.80	8.60/9.20	10.90/11.30
	Max Current	A	4.6	5.7	7.0	10.7	11.9	13.0	15.0	15.4
	Power Input (min-max)	kW	0.41 (0.18-0.57) 0.55 (0.17-1.03)	0.50 (0.18-0.75) 0.62 (0.17-1.30)	0.80 (0.20-1.06) 0.94 (0.18-1.56)	1.07 (0.22-1.60) 1.34 (0.23-2.25)	1.13 (0.21-2.05) 1.31 (0.23-2.65)	1.58 (0.44-2.20) 1.78 (0.40-2.50)	1.97 (0.44-2.48) 2.11 (0.40-3.00)	2.32 (0.46-2.82) 2.41 (0.50-3.30)
AEER / EER ACOP / COP		W/W W/W	4.84/5.00 4.79/4.91	4.87/5.00 5.06/5.16	4.31/4.38 4.51/4.57	3.88/3.93 3.77/3.81	4.38/4.42 4.54/4.58	3.77/3.80 4.02/4.04	3.58/3.60 3.77/3.79	3.43/3.45 3.72/3.73
Star Rating Residential / Commercial	Hot Climate	TCSPF HSPF	5.0 5.0	4.0/4.5 3.5/3.5	4.0/4.5 3.5/3.5	3.5/4.0 3.0/2.5	4.0/4.5 4.0/3.5	3.5/3.5 3.0/3.0	3.0/3.5 3.0/3.0	3.0/3.5 3.0/3.0
	Average Climate	TCSPF HSPF	3.5/5.0 3.0/3.5	3.5/5.0 3.0/3.5	3.5/5.0 3.0/3.0	3.5/4.5 2.5/2.5	4.0/5.0 3.5/3.0	3.0/4.0 2.5/2.5	3.0/4.0 2.5/2.5	3.0/4.0 2.5/2.5
	Cold Climate	TCSPF HSPF	3.5/5.5 3.0/3.0	3.5/5.5 3.0/3.0	3.5/5.5 2.5/2.5	3.5/5.5 2.0/2.0	4.0/6.0 2.5/3.0	3.0/4.5 2.0/2.0	3.0/4.5 1.5/2.0	3.0/4.5 2.0/2.0
Noise Level	Sound Pressure Level*² dB(A)	Indoor (H / L / Q-Lo)	38/24/19 39/25/21	43/25/19 42/27/21	44/26/19 46/29/21	47/30/23 46/31/27	47/34/31 45/33/29	47/36/33 47/35/32	49/37/34 49/37/34	51/38/35 50/38/35
		Outdoor (H / Q-Lo)	45/- 46/-	47/- 47/-	49/- 50/-	47/42 47/42	48/43 48/43	53/48 53/48	54/49 54/49	55/50 55/50
	Sound Power Level dB(A)	Indoor (H / L / Q-Lo)	54/40/35 55/41/37	59/41/35 58/43/37	60/42/35 62/45/37	63/46/39 62/47/43	63/50/47 61/49/45	63/52/49 65/51/48	65/53/50 65/53/50	67/54/51 66/54/51
		Outdoor (H / Q-Lo)	60/- 61/-	62/- 62/-	64/- 65/-	62/57 62/57	62/57 62/57	67/62 67/62	68/63 68/63	69/64 69/64
Net Weight	Indoor (Outdoor)	kg	9(29)	10(31)	10(31)	10(43)	13(44)	13(50)	13(50)	13(60)
Dimensions	Indoor (H x W x D) Outdoor (H x W x D)	mm mm	295 x 919 x 194 542 x 780 x 289	295 x 919 x 194 542 x 780 x 289	295 x 919 x 194 542 x 780 x 289	295 x 919 x 194 695 x 875 x 320	302 x 1,120 x 236 695 x 875 x 320	302 x 1,120 x 236 695 x 875 x 320	302 x 1,120 x 236 695 x 875 x320	302 x 1,120 x 236 795 x 875 x 320
Refrigerator Pipe Diameter	Liquid Side	mm/(inch)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)
	Gas Side	mm/(inch)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 12.70 (1/2)	ø 12.70 (1/2)	ø 12.70 (1/2)	ø 15.88 (5/8)	ø 15.88 (5/8)
Pipe Extension Length		min-max (m)	3~20	3~20	3~20	3~30	3~30	3~30	3~30	3~30
Maximum Elevation Length		m	15	15	15	15	15	15	20	20
Pipe Length For Additional Gas		m	7.5	7.5	7.5	7.5	10	10	10	10
Additional Gas Amount		g/m	10	10	10	15	15	15	25	25
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Operating Range (Outdoor)	Cooling Heating	Degree °C	+5 ~ +46 -15 ~ +24	+5 ~ +46 -15 ~ +24	+5 ~ +46 -15 ~ +24	+5 ~ +46 -15 ~ +24	+5 ~ +46 -15 ~ +24	+5 ~ +46 -15 ~ +24	+5 ~ +46 -15 ~ +24	+5 ~ +46 -15 ~ +24
Refrigerant Type			R32	R32	R32	R32	R32	R32	R32	R32

*¹ Indoor temperature display and some special function are not available through the App for all models.
*² Sound pressure level specification is measured according to JIS C9612.

Cooling ( ): Outdoor Unit
Heating

EER: Cooling Efficiency
COP: Heating Efficiency

SPECIFICATIONS & FEATURES

Products in this brochure contain R32 refrigerant. Please refer to Panasonic's installation instructions and service manuals before installation and servicing this product.

Only persons and/or companies qualified and experienced in the installation, service and repair of refrigerant products should be permitted to do so.

The purchaser must ensure that the person and/or company who is to install, service or repair this air conditioner has qualifications and experience in refrigerant products.

Suitable access for warranty and service is required.

Future improvement, specifications, designs of product and availability are subject to change without notice. Please check with your dealer.

All the specifications except star rating are based on average climate.

ALL CAPACITY AND ENERGY EFFICIENCY RATINGS ARE BASED ON AS/NZS3823.1.1

COOLING	Indoor temperature Outdoor temperature	27°C DB/19°C WB 35°C DB
HEATING	Indoor temperature Outdoor temperature	20°C DB 7°C DB / 6°C WB

Running current is at rated conditions (AS3823) and does not include compressor start-up or variations in power supply and load conditions.

FEATURES EXPLANATION

ENERGY SAVINGS

INVERTER CONTROL
Varies the rotation speed of the compressor for higher energy savings.

ECO MODE
More energy saving compared to the normal mode by automatically adjusting the set temperature by up to 2°C. It's ideal when you want to maintain room temperature for gentle cooling and heating.

COMFORT

iAUTO-X
Come home to ultra-fast cooling, and then enjoy continuous comfort Shower Cooling that evenly distributes cool air.

QUIET MODE
Enjoy the comfort of running your air conditioner at night and still have a relaxing sleep.

PERSONAL AIRFLOW CREATION
Vertical and horizontal airflow patterns can be combined as desired to achieve optimum comfort, with operation possible by remote, even from a distance.

MILD DRY COOLING
Fine control helps prevent a rapid decrease in room humidity while maintaning the set temperature.

FAN MODE
Allows you to run the fan without any cooling or heating, thus giving just ventilation.

AUTO CHANGEOVER (INVERTER)
In Auto Mode the unit will select if heating or cooling is required.

POWERFUL MODE
Pressing the Powerful button cools or heats the room quickly. It provides fast comfort, with full power and a strong airflow. This is perfect for use immediately after coming home, or when unexpected guests arrive.

SOFT DRY OPERATION MODE
Starts with cooling to dehumidify, then provides continuous breeze at a low frequency to keep a room dry without much change to the temperature.

HOT START CONTROL
On the start of the heating cycle and after the defrost cycle, the indoor fan will start up once the indoor heat exchanger is warm.

CLEAN & HEALTHY AIR

nanoe™ X
nanoe™ X deodorises and inhibits the growth of bacteria and viruses, for a fresher and cleaner living space.

ODOUR-REMOVING FUNCTION
With this function, there's no unpleasant odor when the unit starts up. That's because the fan remains off momentarily, while the source of the odour inside the air conditioner is suppressed.

The unit must be in cool or dry mode and the fan speed must be set to automatic.

REMOVABLE, WASHABLE PANEL
Gives you easy access to the filter as well making the unit easy to clean.

CONVENIENCE

24-HOUR DUAL ON & OFF REAL SETTING TIMER
This feature enables you to preset two different sets of start/stop operation timer (hour and minute) within a 24-hour time frame.

3RD PARTY CONNECTIVITY
Allows limited control from an external source when wired to do so.

WIRED REMOTE CONTROL (OPTIONAL)
For use in commercial applications, or where users don't want a remote control.

DEMAND RESPONSE ENABLING DEVICE (DRED)
Allows Electrical Utility Companies to regulate the power supply to the units if connected.

LCD WIRELESS REMOTE CONTROL
Easy control of the unit from anywhere in the room.

WIRELESS LAN REMOTE CONTROL FOR INTERNET CONNECTION (OPTIONAL)
Control air conditioners remotely by turning your mobile desire into a remote controller using internet connection.

* Network adaptor (CZ-TACG1) is required

RELIABILITY

BLUE FIN CONDENSER
Extra protection from the elements with a longer lasting coil.

LONG PIPING
Long piping offers more flexible installation options.
*20m – CS-Z20VKR, CS-Z25VKR, CS-Z35VKR
*30m – CS-Z42VKR, CS-Z50VKR, CS-Z60VKR, CS-Z71VKR, CS-Z80VKR

SELF-DIAGNOSTIC FUNCTION
Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows for quicker servicing.

RANDOM AUTO RESTART
When multiple units are connected and there is a power outage, they will turn on at different times in order to not spike the power supply.

TOP-PANEL MAINTENANCE ACCESS
Easy access for maintenance.

OUTDOOR

Blue Fin Condenser

R32 REFRIGERANT

DRED ready — DEMAND RESPONSE ENABLING DEVICE

CU-Z20VKR
CU-Z25VKR
CU-Z35VKR

CU-Z42VKR
CU-Z50VKR
CU-Z60VKR
CU-Z71VKR

CU-Z80VKR