

## WALL-MOUNTED : PREMIUM REVERSE CYCLE INVERTER Single - Split Type



CS-Z25VKR | CS-Z35VKR | CS-Z42VKR



CS-Z50VKR | CS-Z60VKR | CS-Z71VKR | CS-Z80VKR



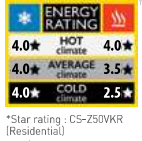
Wireless Remote Controller



CZ-RD514C Network Remote Controller (Optional)



CZ-TACG1 Network Adaptor\*<sup>1</sup> (Optional)



\*Star rating - CS-Z50VKR (Residential)

## SPECIFICATIONS

MODEL	(240V / 1 Phase / 50Hz)	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	2.50 [0.90-3.00] 3.20 [0.90-5.00]	3.50 [0.90-4.00] 4.30 [0.90-5.00]	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 [2.30-9.00]
	[min-max]	Btu/h	8,530 [3,070-10,200] 10,900 [3,070-17,100]	11,900 [3,070-13,600] 14,700 [3,070-17,800]	14,300 [3,070-17,100] 17,400 [3,070-24,200]	17,100 [3,240-20,500] 20,500 [3,500-27,300]	24,600 [5,800-24,200] 24,600 [5,800-29,000]	27,300 [7,840-30,700] 30,700 [7,500-37,500]
Air Flow	Indoor	L/s	193/203	207/220	222/222	328/332	332/340	355/362
Dehumid		L/h	1.5	2.0	2.4	2.8	3.3	4.1
Electrical Data	Running Current	A	2.30/2.90	3.75/4.40	4.70/5.90	5.10/5.80	7.00/7.80	8.60/9.20
	Max Current	A	5.7	7.0	10.7	11.9	13.0	15.4
	Power Input [min-max]	kW	0.50 [0.18-0.75] 0.62 [0.17-1.30]	0.80 [0.28-1.04] 0.94 [0.18-1.54]	1.07 [0.22-1.40] 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 [0.50-3.30]
AER / EER ACOP / COP	W/W		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
	Hot Climate	Cooling Heating	4.0 3.5	4.0 3.5	3.5 3.0	4.0 3.0	3.5 3.0	3.0 3.0
Star Rating	Average Climate	Cooling Heating	3.5 3.0	3.5 3.0	3.5 2.5	4.0 3.5	3.0 2.5	3.0 2.5
	Cold Climate	Cooling Heating	3.5 3.0	3.5 2.5	3.5 2.0	4.0 2.5	3.0 1.5	3.0 2.0
	Hot Climate	TCSPF HSPF	5.90/6.43 5.26/5.22	5.64/6.16 5.14/5.12	5.40/5.89 4.51/4.36	5.89/6.41 4.64/4.52	4.84/5.23 4.71/4.58	4.75/5.10 4.57/4.51
TCSPF & HSPF Residential/ Commercial	Average Climate	TCSPF HSPF	5.24/6.80 4.94/5.03	5.14/6.60 4.84/4.81	5.03/6.39 4.80/4.10	5.50/6.93 5.00/4.97	4.73/6.80 4.17/4.21	4.60/5.68 4.04/4.20
	Cold Climate	TCSPF HSPF	5.18/7.37 4.39/4.72	5.21/7.27 4.31/4.71	5.16/7.01 3.95/4.75	5.63/7.67 4.29/4.32	4.86/6.36 3.45/4.43	4.70/6.82 3.54/3.80
	Outdoor [H / L / Q-Lo]		43/25/19 42/27/21	44/26/19 44/27/21	47/28/23 44/53/29	47/28/23 47/35/32	49/27/24 49/37/34	51/28/25 50/38/35
Noise Level	Sound Pressure Level* <sup>2</sup> dBA	Indoor [H / L / Q-Lo] Outdoor [H / L / Q-Lo]	47/- 47/-	49/- 50/-	47/42 47/42	48/43 48/43	54/49 54/49	55/50 55/50
	Sound Power Level dBA	Indoor [H / L / Q-Lo] Outdoor [H / L / Q-Lo]	59/61/25 58/63/37	60/62/25 62/65/37	63/64/39 62/67/43	63/65/47 63/67/48	65/65/50 65/65/50	67/64/51 66/64/51
	Outdoor [H / L / Q-Lo]		62/- 62/-	64/- 65/-	62/57 62/57	67/62 67/62	68/63 68/63	69/64 69/64
Net Weight	Indoor [Outdoor]	kg	10(31)	10(31)	10(43)	13(44)	13(50)	13(60)
Dimensions	Indoor [H x W x D]	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 194 695 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 236 795 x 875 x 320
	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"
Refrigerator Pipe Diameter	Gas Side	mm/inch	ø 9.52 3/8"	ø 9.52 3/8"	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	3-30	3-30	3-30	3-30
Maximum Elevation Length	m		15	15	15	15	15	20
Pipe Length For Additional Gas	m		7.5	7.5	7.5	10	10	10
Additional Gas Amount	g/m		10	10	15	15	25	25
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

\*<sup>1</sup> Indoor temperature display and some special function are not available through the App for all models.

\*<sup>2</sup> Sound pressure level specification is measured according to JIS C9612. All models have outdoor power supply and use R32 refrigerant. All TCSPF and HSPF are two decimal rounding numbers.

## 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.

Cooling I : Outdoor Unit EER: Cooling Efficiency  
Heating COP: Heating Efficiency

## 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.	
MILD DRY COOLING Fine control helps prevent a rapid decrease in room humidity while maintaining the set temperature.		FAN MODE Allows you to run the fan without any cooling or heating, thus giving just ventilation.	
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 deodorizes and inhibits the growth of bacteria and viruses, for a fresh and cleaner living space.		ODOUR-REMOVING FUNCTION With this function, there's no unpleasant odour 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 time (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 device 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-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



CU-Z25VKR  
CU-Z35VKR



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



CU-Z80VKR