

# WALL-MOUNTED AERO Z SERIES Single -Split Type NEW



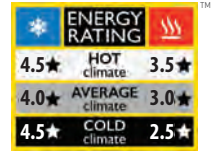
**CS-Z20XKRW | CS-Z25XKRW-1 | CS-Z35XKRW | CS-Z42XKRW | CS-Z50XKRW**



Wireless (Standard)



Wired CZ-RD514C (Optional)



\*Star rating : CS-Z35XKRW (Residential)



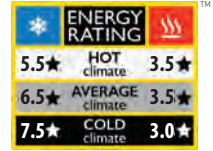
**CS-Z50XKRW-1 | CS-Z60XKRW-1 | CS-Z71XKRW | CS-Z80XKR**



Wireless (Standard)



Wired CZ-RD514C (Optional)



\*Star rating : CS-Z35XKRW (Commercial)



MODEL	INDOOR UNIT (240V / 1 Phase / 50Hz)		CS-Z20XKRW	CS-Z25XKRW-1	CS-Z35XKRW	CS-Z42XKRW	CS-Z50XKRW	CS-Z50XKRW-1	CS-Z60XKRW-1	CS-Z71XKRW	CS-Z80XKR
	OUTDOOR UNIT		CU-Z20XKR	CU-Z25XKR-1	CU-Z35XKR	CU-Z42XKR	CU-Z50XKR	CU-Z50XKR-1	CU-Z60XKR-1	CU-Z71XKR	CU-Z80XKR
Cooling / Heating Capacity	(min-max)	kW	2.05 (0.95-2.80) 2.80 (0.90-4.10)	2.50 (0.95-3.70) 3.20 (0.90-4.40)	3.50 (1.00-4.20) 4.00 (0.90-5.70)	4.20 (1.15-5.10) 5.10 (0.90-6.80)	5.00 (1.15-6.10) 6.00 (0.98-7.70)	5.00 (1.25-6.70) 6.00 (1.10-8.00)	6.00 (1.70-7.50) 7.20 (1.70-9.80)	7.10 (1.70-8.50) 8.00 (1.70-10.60)	8.00 (2.30-9.00) 9.00 (2.20-11.60)
	(min-max)	Btu/h	6,990 (3,240-9,550) 9,550 (3,070-14,000)	8,530 (3,240-12,600) 10,900 (3,070-15,000)	11,900 (3,410-14,300) 13,600 (3,070-19,400)	14,300 (3,920-17,400) 17,400 (3,920-23,200)	17,100 (3,920-20,800) 20,500 (3,340-26,300)	17,100 (4,260-22,800) 20,500 (3,750-27,300)	20,500 (5,800-25,600) 24,600 (5,800-33,400)	24,200 (5,800-29,000) 27,300 (5,800-36,100)	27,300 (7,840-30,700) 30,700 (7,500-39,600)
Air Flow	Indoor	L/s	178/195	188/200	193/202	193/202	208/228	328/328	337/359	352/367	367/377
Dehumid		L/h	1.3	1.5	2.0	2.4	2.8	2.8	3.3	4.1	4.7
Electrical Data	Running Current	A	1.95/2.55	2.50/3.20	3.50/3.80	5.00/5.70	6.50/7.30	5.60/6.10	7.10/7.80	8.80/8.90	11.30/11.40
	Max Current	A	4.8	6.4	7.2	8.9	11.0	10.8	13.2	14.8	15.8
	Power Input (min-max)	kW	0.45 (0.22-0.80) 0.60 (0.19-1.10)	0.57 (0.22-1.20) 0.73 (0.19-1.29)	0.80 (0.22-1.29) 0.86 (0.19-1.65)	1.18 (0.24-1.64) 1.36 (0.20-2.04)	1.51 (0.24-2.10) 1.72 (0.26-2.50)	1.31 (0.23-2.00) 1.42 (0.22-2.25)	1.67 (0.44-2.40) 1.83 (0.40-3.00)	2.06 (0.45-2.90) 2.09 (0.40-3.30)	2.44 (0.46-3.10) 2.46 (0.44-3.60)
AEEER / EER ACOP / COP	W/W		4.47/4.56 4.60/4.67	4.32/4.39 4.33/4.38	4.33/4.38 4.61/4.65	3.53/3.56 3.73/3.75	3.29/3.31 3.47/3.49	3.79/3.82 4.20/4.23	3.57/3.59 3.92/3.93	3.43/3.45 3.81/3.83	3.26/3.28 3.64/3.66
	Hot Climate	TCSPP HSPF	4.5/5.5 3.5/3.5	4.5/6.0 3.0/3.0	4.5/5.5 3.5/3.5	3.5/4.5 3.0/3.0	3.5/4.5 3.0/3.0	4.5/5.5 3.5/3.5	3.5/4.0 3.5/3.5	3.5/4.5 3.5/3.5	3.5/4.0 3.5/3.5
Star Rating Residential / Commercial	Average Climate	TCSPP HSPF	3.5/5.5 3.0/3.0	4.0/6.5 2.5/3.0	4.0/6.5 3.0/3.5	3.5/5.0 2.5/2.5	3.5/5.0 2.5/2.5	4.0/6.5 3.0/3.0	3.5/5.0 2.5/3.0	3.5/5.0 2.5/3.0	3.5/5.0 2.5/3.0
	Cold Climate	TCSPP HSPF	3.5/6.5 2.5/2.5	4.0/8.0 2.0/2.5	4.5/7.5 2.5/3.0	3.5/6.0 2.0/2.0	3.5/8.0 2.0/2.0	4.5/8.0 2.5/2.5	3.5/6.0 2.0/2.5	3.5/6.0 2.0/2.5	3.5/6.0 2.0/2.5
	Sound Pressure Level** dB(A)	Indoor (H / L / Q-Lo) Outdoor (H / Q-Lo)	38/24/19 39/25/21 46/41 47/42	40/25/19 40/27/21 48/43 49/44	44/26/19 44/29/22 49/44 50/45	44/31/28 44/32/28 49/44 51/46	44/34/28 44/33/29 48/43 49/44	47/34/31 47/33/29 48/43 49/44	48/36/33 48/35/32 53/48 53/48	49/37/34 49/37/34 54/49 54/49	51/38/35 50/38/35 55/50 55/50
Noise Level	Sound Power Level dB(A)	Indoor (H / L / Q-Lo) Outdoor (H / Q-Lo)	54/40/35 55/41/37 61/56 62/57	56/41/35 56/43/37 63/58 64/59	60/42/35 60/45/38 64/59 65/60	60/47/44 60/48/44 64/59 66/61	60/50/44 60/49/45 63/58 64/59	63/50/47 63/49/45 63/58 64/59	64/52/49 64/51/48 67/62 67/62	65/53/50 65/53/50 68/63 68/63	67/54/51 66/54/51 69/64 69/64
	Net Weight	Indoor (Outdoor)	kg	8 [25]	8 [25]	8 [30]	8 [31]	8 [35]	12 [35]	13 [45]	13 [45]
Dimensions	Indoor (H x W x D) Outdoor (H x W x D)	mm	290 x 779 x 209 542 x 780 x 289	290 x 779 x 209 542 x 780 x 289	290 x 779 x 209 542 x 780 x 289	290 x 779 x 209 619 x 824 x 299	290 x 779 x 209 619 x 824 x 299	295 x 1,040 x 244 619 x 824 x 299	295 x 1,040 x 244 695 x 875 x 320	295 x 1,040 x 244 695 x 875 x 320	295 x 1,040 x 244 795 x 875 x 320
	Refrigerator Pipe Diameter	Liquid Side Gas Side	mm/(inch)	ø 6.35 (1/4) ø 9.52 (3/8)	ø 6.35 (1/4) ø 9.52 (3/8)	ø 6.35 (1/4) ø 9.52 (3/8)	ø 6.35 (1/4) ø 12.70 (1/2)	ø 6.35 (1/4) ø 12.70 (1/2)	ø 6.35 (1/4) ø 12.70 (1/2)	ø 6.35 (1/4) ø 15.88 (5/8)	ø 6.35 (1/4) ø 15.88 (5/8)
Pipe Extension Length	Min - Max (m)		3-20	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	20
Pipe Length For Additional Gas	m		7.5	7.5	7.5	7.5	10.0	10.0	10.0	10.0	10.0
Additional Gas Amount	g/m		10	10	10	10	15	15	15	25	25
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Operating Range (Outdoor)	Cooling Heating	Degree °C	-10 ~ +46 -15 ~ +24	-10 ~ +46 -15 ~ +24	-10 ~ +46 -15 ~ +24	-10 ~ +46 -15 ~ +24	-10 ~ +46 -15 ~ +24	-10 ~ +46 -15 ~ +24	-10 ~ +46 -15 ~ +24	-10 ~ +46 -15 ~ +24	-10 ~ +46 -15 ~ +24
Refrigerant Type			R32	R32	R32	R32	R32	R32	R32	R32	R32

Cooling ( ) : Outdoor Unit EER: Cooling Efficiency Heating ( ) COP: Heating Efficiency

\*2 Sound pressure level specification is measured according to JIS C9612.

## 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	27°C DB/19°C WB
	Outdoor temperature	35°C DB
HEATING	Indoor temperature	20°C DB
	Outdoor temperature	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 WITH A.I.

Auto-adjusts to the optimal ECO level based on heat load conditions and air conditioning cooling capacity.

ECO+A.I.

### COMFORT

#### iAUTO-X

Come home to ultra-fast cooling, and then enjoy continuous comfort Shower Cooling that evenly distributes cool air. Reactivate faster cooling with a second press of the iAUTO-X button.



#### AIRFLOW DIRECTION CONTROL (UP & DOWN)

Vertical airflow patterns can be controlled with operation by remote, even from a distance.

\*Applicable to CS-Z20XKRW, CS-Z25XKRW-1, CS-Z35XKRW, CS-Z42XKRW & CS-Z50XKRW



#### 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.

\*Applicable to CS-Z50XKRW-1, CS-Z60XKRW-1, CS-Z71XKRW & CS-Z80XKR



#### QUIET MODE

Enjoy the comfort of running your air conditioner at night for a relaxing sleep.



#### FAN MODE

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



#### 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.



#### MANUAL HORIZONTAL AIRFLOW DIRECTION CONTROL

Horizontal airflow patterns can be manually adjusted.

\*Applicable to CS-Z20XKRW, CS-Z25XKRW-1, CS-Z35XKRW, CS-Z42XKRW & CS-Z50XKRW



#### 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.



#### 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.



#### AUTO CHANGEOVER (INVERTER)

In Auto Mode the unit will select if heating or cooling is required.



### CLEANER AIR

#### nanoe™ X

nanoe™ X effectively deodorises and inhibits various pollutants 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 as 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

Control at the unit from fixed location where wired remote controller is installed.



#### 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 (BUILT-IN)

Control air conditioners remotely by turning your mobile device into a remote controller using internet connection.



### RELIABILITY

#### 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.



#### BLUE FIN CONDENSER

Extra protection from the elements with a longer lasting coil.



#### TOP-PANEL MAINTENANCE ACCESS

Easy access for maintenance.



#### LONG PIPING

Long piping offers more flexible installation options.  
20m: CS-Z20XKRW, CS-Z25XKRW-1, CS-Z35XKRW & CS-Z42XKRW  
30m: CS-Z50XKRW, CS-Z50XKRW-1, CS-Z60XKRW-1, CS-Z71XKRW & CS-Z80XKR



#### SELF-DIAGNOSTIC FUNCTION

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



### OUTDOOR UNIT



CU-Z20XKR  
CU-Z25XKR-1  
CU-Z35XKR



CU-Z42XKR  
CU-Z50XKR  
CU-Z50XKR-1



CU-Z60XKR-1  
CU-Z71XKR



CU-Z80XKR