

# 4 WAY 90x90 CASSETTE WITH NANOE™ X

Large capacity VRF. Trusted power and high efficiency. These Cassettes offer upgraded Econavi and nanoe™ X purification systems as accessories for making application space more comfortable, healthy and efficient.

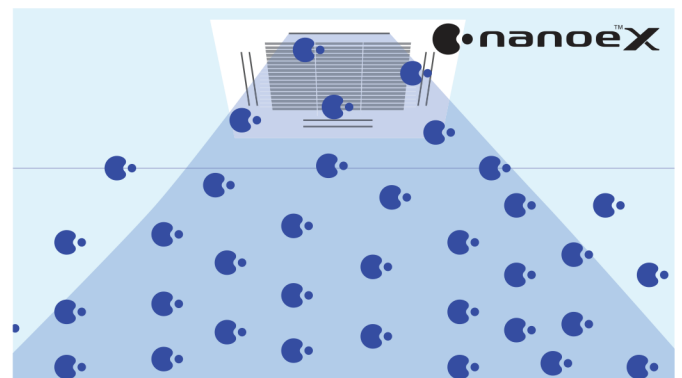
Thanks to advances in design and technology such as the new high performance turbo fan which is more efficient and silent, and nanoe™ X air purification, for total healthy and the floor temperature & humidity sensor to more control, the new U2 Panasonic 4 Way 90x90 Cassette offers healthy and comfort.

## Always fresh and clean air with nanoe™ X

The nanoe™ X is available with the advanced technology of room air conditioning.

- Purifying operation can work simultaneously or independently from heating/cooling operation.
- Inhibiting certain viruses, bacteria & deodorisation (bacteria, fungus, pollen, virus and cigarette smoke). OH radicals in nanoe™ X pull bacteria's hydrogen out to effectively deodorise and sterilise
- Clean inside by nanoe™ X + Dry control: inside of indoor unit can be cleaned by short operation circuit with nanoe™ X and drying

CZ-RTC5B and optional accessory CZ-CNEXU1 are required to use nanoe™ X function.



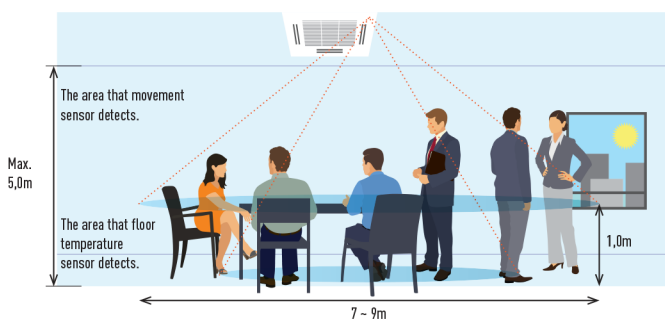
## Econavi intelligent sensor

Human activity sensor and floor temperature sensor can reduce waste of energy by optimising air conditioner operation.



### Advanced Econavi functions.

2 sensors (movement and floor temperature) can find waste of energy and control effectively. Floor temperature can detect up to 5m ceiling height.



**Econavi exclusive panel. Optional (CZ-KPU3AW)**

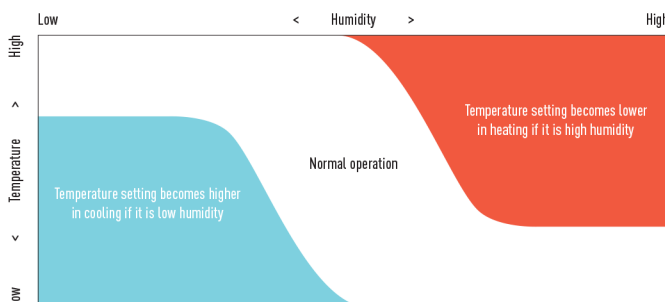
**Floor temperature sensor.**  
This sensor detects average floor temperature and operates circulation if floor temperature is low.

**Movement sensor.**  
This sensor detects the amount of human activity, and operates effectively.

Wired remote controller CZ-RTC5B is required.

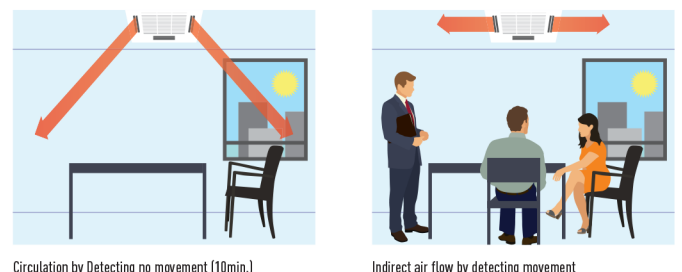
## Humidity sensor.

New Humidity sensor has air suction function, and realises comfort and energy saving based on temperature and humidity.



## Group control, circulation function.

Circulating operation is activated when a room is unoccupied to evenly distribute air and minimize temperature gaps in both heating and cooling operation.

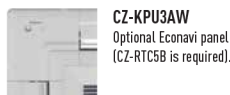


## U2 Type 4 Way 90x90 Cassette

The U2 Panasonic 4 Way 90x90 Cassettes with new panel design and 2 types of body with height difference



**CZ-KPU3W**  
Standard panel.



**CZ-KPU3AW**  
Optional Econavi panel  
(CZ-RTC5B is required).



**CZ-CNEXU1**  
Optional nanoe™ X Kit  
(CZ-RTC5B is required).



**PAW-RE2C4**  
Optional Controller.  
Control for hotel application.



**CZ-RTC5B**  
Optional Controller.  
Wired remote controller.  
Compatible with Econavi.



**CZ-RWS3 + CZ-RWRU3**  
Optional Controller.  
Infrared remote controller.



**CZ-RE2C2**  
Optional Controller.  
Simplified wired remote controller.

### Technical focus

- High performance turbo fan, new path system for heat exchanger
- Lower noise in slow fan operation
- Ceiling height up to 5,0m
- Industry top light weight, easy piping
- Econavi: Floor temperature and humidity sensor added. Activity amount detection and new circulator
- nanoe™ X: The first 10x for CAC (10 times more purification power). Inside cleaning by 10x nanoe™ X + dry control
- Powerful drain pump gives 850mm lift
- Fresh air knockout
- Branch duct connection
- Optional air-intake plenum CZ-FDU2

Model		S-22MU2E5A	S-28MU2E5A	S-36MU2E5A	S-45MU2E5A	S-56MU2E5A	S-60MU2E5A	S-73MU2E5A	S-90MU2E5A	S-106MU2E5A	S-140MU2E5A	S-160MU2E5A
Cooling capacity	kW	2,20	2,80	3,60	4,50	5,60	6,00	7,30	9,00	10,60	14,00	16,00
Input power cooling	W	20,00	20,00	20,00	20,00	25,00	35,00	40,00	40,00	95,00	100,00	115,00
Current (cool)	A	0,19	0,19	0,19	0,19	0,22	0,31	0,33	0,36	0,71	0,76	0,89
Heating capacity	kW	2,50	3,20	4,20	5,00	6,30	7,10	8,00	10,00	11,40	16,00	18,00
Input power heating	W	20,00	20,00	20,00	20,00	25,00	35,00	40,00	40,00	85,00	100,00	105,00
Current (heat)	A	0,17	0,17	0,17	0,17	0,20	0,30	0,32	0,34	0,65	0,73	0,80
Fan type		Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan
Air volume	Hi / Med / Lo m³/min	14,50 / 13,00 / 11,50	14,50 / 13,00 / 11,50	14,50 / 13,00 / 11,50	15,50 / 13,00 / 11,50	17,00 / 13,50 / 11,50	21,00 / 16,00 / 13,00	22,50 / 16,00 / 13,00	23,00 / 18,50 / 14,00	35,00 / 26,00 / 20,00	36,00 / 27,00 / 21,50	37,00 / 29,00 / 25,00
Sound pressure / power	Hi / Med / Lo dB(A) / dB	30 / 29 / 28 / 45 / 44 / 43	30 / 29 / 28 / 45 / 44 / 43	30 / 29 / 28 / 45 / 44 / 43	31 / 29 / 28 / 46 / 44 / 43	33 / 30 / 28 / 48 / 45 / 43	36 / 32 / 29 / 51 / 47 / 44	37 / 32 / 29 / 52 / 47 / 44	38 / 35 / 32 / 53 / 50 / 47	44 / 38 / 34 / 59 / 53 / 49	45 / 39 / 35 / 60 / 54 / 50	46 / 40 / 38 / 61 / 55 / 53
Dimension (H x W x D)	Indoor (Panel) mm	256 x 840 x 840 (33,5 x 950 x 950)	256 x 840 x 840 (33,5 x 950 x 950)	256 x 840 x 840 (33,5 x 950 x 950)	256 x 840 x 840 (33,5 x 950 x 950)	256 x 840 x 840 (33,5 x 950 x 950)	256 x 840 x 840 (33,5 x 950 x 950)	256 x 840 x 840 (33,5 x 950 x 950)	256 x 840 x 840 (33,5 x 950 x 950)	319 x 840 x 840 (33,5 x 950 x 950)	319 x 840 x 840 (33,5 x 950 x 950)	319 x 840 x 840 (33,5 x 950 x 950)
Net weight (Panel)	kg	21 (5)	21 (5)	21 (5)	21 (5)	21 (5)	21 (5)	21 (5)	21 (5)	25 (5)	25 (5)	25 (5)
Piping connections	Liquid Gas	Inch (mm) Inch (mm)	1/4 (6,35) 1/2 (12,70)	1/4 (6,35) 1/2 (12,70)	1/4 (6,35) 1/2 (12,70)	1/4 (6,35) 1/2 (12,70)	3/8 (9,52) 5/8 (15,88)	3/8 (9,52) 5/8 (15,88)	3/8 (9,52) 5/8 (15,88)	3/8 (9,52) 5/8 (15,88)	3/8 (9,52) 5/8 (15,88)	3/8 (9,52) 5/8 (15,88)

### Panel design

Flat design, well-matched with interior, building.  
Position of 4 air wings can be set individually.

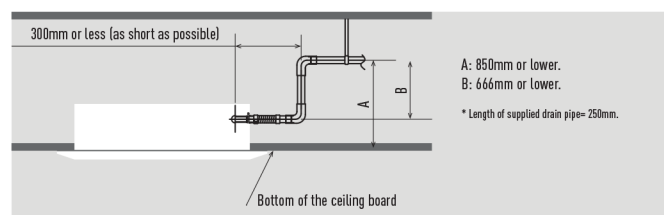
### 2 types of body with height difference (same as current ones)

25,6cm and 31,9cm.

Panasonic introduces a modern flat panel design to blend into any space. These Cassettes have been developed to satisfy today's customer needs such as high energy saving, comfort and healthier air.

### The drain pipe can be raised to a maximum height of 850mm from the bottom of the ceiling

Do not attempt to raise it higher than 850mm.  
Doing so will result in water leakage.



ECONAVI AND INTERNET CONTROL: Optional.