

# E2 TYPE High Static Ducted

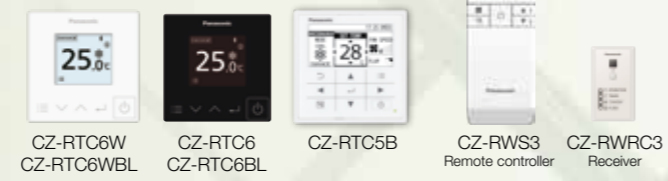


Concealed duct / Air conditioning mode

Optional accessory



S-180ME2E5  
S-224ME2E5  
S-280ME2E5



# E2 TYPE Energy Saving High Fresh Air Ducted

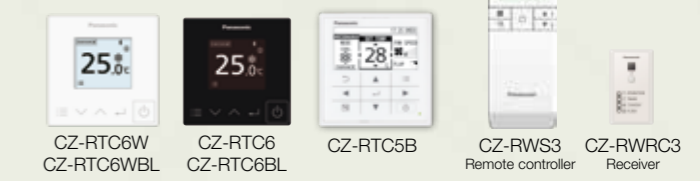


Concealed duct high-static pressure

Optional accessory



S-224ME2E5  
S-280ME2E5



## Technical focus

- Design flexibility thanks to high static pressure and large air volume
- DC motor equipped
- Power input 45% less (compared to E1 type)
- Discharge air temperature control to reduce cold drafts during heating operation
- Configurable air temperature control
- Available Fresh Air Intake mode (See page 29)

### 3-step static pressure set up

You can select between the three Static Pressure modes of 270 Pa/140 Pa/60(72\*) Pa for extra installation flexibility.



### Max. 270Pa static pressure setting

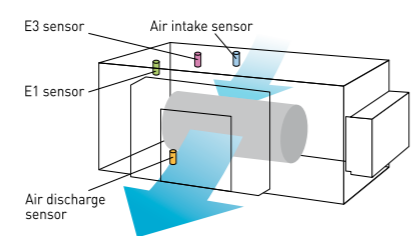
A maximum static pressure setting of a high 270Pa enables the use of long ducts for installation in a wide range of spaces. Ideal for large-scale offices, restaurants and other facilities.

### Sensible cooling 5-10% improved

New heat exchanger with  $\phi$  7mm pipe that increases the heat transfer surface to improve sensible cooling (5-10% improvement)

### Discharge air temperature control

- Equipped with 4 sensors (Intake/ Discharge)
- Able to control discharge air temperature for accurate room temperature control.
- Possible to reduce cold drafts during heating operation.



Model Name		S-180ME2E5	S-224ME2E5	S-280ME2E5
Power source		220/230/240V, 1 Phase-50 Hz, 220/230V, 1 Phase-60Hz		
Cooling capacity	kW	18.0	22.4	28.0
	BTU/h	61,400	76,400	95,500
Heating capacity	kW	20.0	25.0	31.5
	BTU/h	68,200	85,300	107,500
Power input	Cooling kW	0.400	0.440	0.715
	Heating kW	0.400	0.440	0.715
Running current	Cooling A	2.40 / 2.30 / 2.20	2.55 / 2.45 / 2.35	3.95 / 3.85 / 3.70
	Heating A	2.40 / 2.30 / 2.20	2.55 / 2.45 / 2.35	3.95 / 3.85 / 3.70
Fan	Type	Sirocco fan		
	Air flow rate (H/M/L)	m <sup>3</sup> /h 2,940 / 2,640 / 2,340	m <sup>3</sup> /h 3,360 / 3,060 / 2,640	m <sup>3</sup> /h 4,320 / 3,780 / 3,180
		L/s 817 / 733 / 650	L/s 933 / 850 / 733	L/s 1,200 / 1,050 / 883
	Motor output	kW 0.560 x 2		
External static pressure	Pa	140 (60/270)	140 (60/270)	140 (72/270)
Sound power level (H/M/L)	dB	76 / 74 / 72	77 / 75 / 73	81 / 79 / 75
Sound pressure level (H/M/L)	dB(A)	44 / 42 / 40	45 / 43 / 41	49 / 47 / 43
Dimensions	H x W x D	mm 479 x 1,453 x 1,205		
	Liquid	mm (inches) Ø9.52 (3/8)	mm (inches) Ø9.52 (3/8)	mm (inches) Ø9.52 (3/8)
Pipe connections	Gas	mm (inches) Ø19.05 (3/4)	mm (inches) Ø19.05 (3/4)	mm (inches) Ø22.22 (7/8)
	Drain piping	VP-25		
Net weight	kg	102	102	106

Global remarks	Rated conditions:	
	Cooling	Heating
	Indoor air temperature	27°C DB / 19°C WB
Outdoor air temperature	35°C DB / 24°C WB	7°C DB / 6°C WB

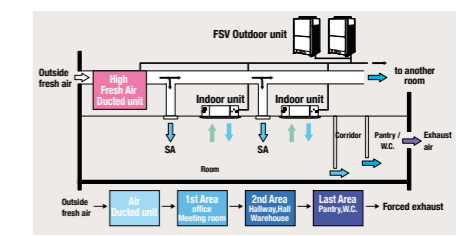
## Technical focus

- 100% fresh air intake for ventilation purpose
- Design flexibility with high static pressure and large air volume
- DC motor equipped
- Power input 45% less (compared to H1 type)
- Discharge air temperature control to reduce cold drafts during heating operation
- Configurable air temperature control

### High fresh system

High Fresh System enables delivery of fresh outside air at almost the same temperature and humidity as indoor air without putting a burden on air conditioning.

\* Capable of treating outdoor air only. Indoor air conditioner units are required to adjust indoor air temperature.

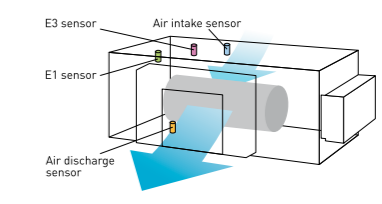


### Mix operation unit with standard indoor units

Possible to combine High Fresh Air ducted indoor unit and standard air ducted indoor units. When other indoor units are connected in same circuit, keep following capacity ratio. E2 type/Outdoor unit < 30%, and Total of indoors(incl. E2)/outdoor < 100%

### Discharge air temperature control

- Equipped with 4 sensors (Intake/ Discharge)
- Able to control discharge air temperature for accurate room temperature control.
- Possible to reduce cold drafts during heating operation.



Model Name		S-224ME2E5	S-280ME2E5	
Power source		220/230/240V, 1 Phase-50 Hz, 220/230V, 1 Phase-60Hz		
Cooling capacity	kW	22.4	28.0	
	BTU/h	76,400	95,500	
Heating capacity	kW	21.2	26.5	
	BTU/h	72,300	90,400	
Power input	Cooling kW	0.290	0.350	
	Heating kW	0.290	0.350	
Running current	Cooling A	1.90/1.85/1.80	2.30/2.20/2.10	
	Heating A	1.90/1.85/1.80	2.30/2.20/2.10	
Fan	Type	Sirocco fan		
	Air flow rate	m <sup>3</sup> /h 1,700	m <sup>3</sup> /h 2,100	
		L/s 472	L/s 583	
	Motor output	kW 0.560 x 2		
External static pressure	Pa	200	200	
Sound power level	dB	75	76	
Sound pressure level	dB(A)	43	44	
Dimensions	H x W x D	mm 479 x 1,453 x 1,205		
	Liquid	mm (inches) Ø9.52 (Ø3/8)	mm (inches) Ø9.52 (Ø3/8)	
Pipe connections	Gas	mm (inches) Ø19.05 (Ø3/4)	mm (inches) Ø22.22 (Ø7/8)	
	Drain piping	VP-25		
Net weight	kg	102	106	

Global remarks	Rated conditions:	
	Cooling	Heating
Outdoor air temperature	33°C DB / 28°C WB	0°C DB / -2.9°C WB