

E2 TYPE High Static Ducted



Concealed duct / Air conditioning mode Optional accessory



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



CZ-RTC6W
CZ-RTC6WBL



CZ-RTC6
CZ-RTC6BL



CZ-RTC5B



CZ-RWS3
Remote controller



CZ-RWRC3
Receiver

E2 TYPE Energy Saving High Fresh Air Ducted



Concealed duct high-static pressure Optional accessory



S-224ME2E5
S-280ME2E5



CZ-RTC6W
CZ-RTC6WBL



CZ-RTC6
CZ-RTC6BL



CZ-RTC5B



CZ-RWS3
Remote controller



CZ-RWRC3
Receiver

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

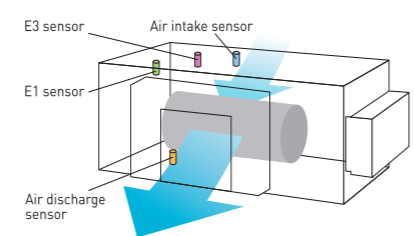
A maximum static pressure setting of a high 270Pa enables the use of long ducts for installation in a wide range of spaces. Ideal for large-scale offices, restaurants and other facilities.

Sensible cooling 5-10% improved

New heat exchanger with ϕ 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 ³ /h 2,940 / 2,640 / 2,340	m ³ /h 3,360 / 3,060 / 2,640	m ³ /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)		
Pipe connections	Gas	mm (inches) Ø19.05 (3/4)		
	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	20°C DB
Outdoor air temperature 35°C DB / 24°C WB	7°C DB / 6°C WB	

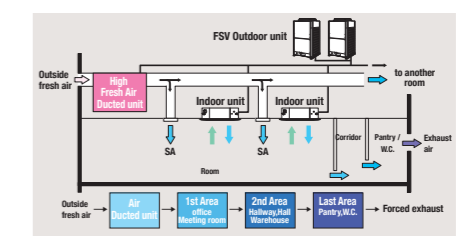
Technical focus

- 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%

Remark For High Static Ducted Series

Model	Type of Outdoor unit	Rap valve kit CZ-P160RVK2	3way control PCB CZ-CAPE2	3way valve kit CZ-P160HR3	Distribution Joint kit <2pipes> CZ-P160BK2 for 22.4kW unit or less CZ-P680BK2 for more than 22.4kW	Distribution Joint kit <3pipes> CZ-P224BH2 for 22.4kW unit CZ-P680BH2 for 28.0kW unit
E2 Type High Static Ducted (Only for S-224,S-280)	Cooling Only	-	-	-	-	-
	Cooling or Heating (2-WAY system)	2pcs	2pcs	-	2pcs	-
	Heat Recovery	-	-	2pcs	-	2pcs

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 ³ /h 1,700	m ³ /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)	
Pipe connections	Gas	mm (inches) Ø19.05 (Ø3/4)	
	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	