

# Large Duct Split R410a

## Duct Indoor Unit

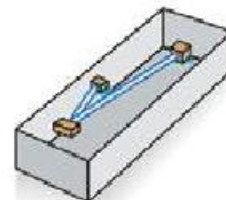
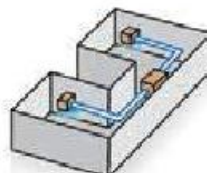
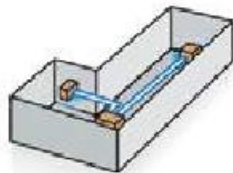


### Convenient installation >>

- ❖ Compact design. Concealed installation without floor space requirement.
- ❖ Hidden in the ceiling, unit installation is not hindered by the location of lighting fixtures or room structure.
- ❖ Air inlet & outlet flange are standard for easy duct connection.
- ❖ Easy maintenance through the inspection port.

### Free air duct design >>

- ❖ Multi diffusers from one indoor unit, air-conditioned multi rooms at the same time.
- ❖ Three speeds of air supply can be chosen via controller.
- ❖ The indoor unit is suitable for various applications where there are many rooms or halls, such as restaurant, concert halls and hotels.
- ❖ Flexible duct design for different room styles.



Auto Restart  
Function



Auto  
Defrosting



Independent  
**Dehumidification**



Timer



PTC Heater



Anti-Cold  
Air Function



Wired  
Controller

# Specifications - T1 Application

## Heat pump, medium static pressure duct



Indoor unit model			CSM-IDM76.H80	CSM-IDM96.H80	CSM-IDM120.H80
Outdoor unit model / Quantity			CSM-OSD76.HB3 / 1	CSM-OSD96.HB3 / 1	CSM-OSD120.HB3 / 1
Indoor unit power supply			220~240V, 1Ph~, 50Hz		
Cooling	Capacity	Btu/h	76,000	96,000	120,000
		kW	22.3	28.1	35.0
	Input	kW	7.5	9.6	11.9
	EER	W/W	2.97	2.93	2.94
Heating	Capacity	Btu/h	85,300	106,000	129,700
		kW	25.0	31.1	38.0
	Input	kW	8.3	10.3	12.7
	COP	W/W	3.01	3.02	2.99
Max. power input		W	1,300	1,400	2,000
Max. current		A	5.2	5.8	9.0
Air flow (Hi)		m³/h	4,250 (2,500CFM)	5,100 (3,000CFM)	6,375 (3,750CFM)
Standard external static pressure		Pa	100	100	100
Noise level (Hi)		dB(A)	56	56	63
Fan type / Drive type			Centrifugal / Direct		
Coil			Copper tube and aluminum fin		
Controller			Wired controller (JR-29B1/BK-θ)		
Dimension	Net (W×H×D)	mm	1,452×462×797	1,452×462×797	1,452×462×797
	Packing (W×H×D)	mm	1,555×500×875	1,555×500×875	1,555×500×875
Net / Gross weight		kg	94 / 106	96 / 108	97 / 109

**Notes:**

- Cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.
- Heating capacity test condition: Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.
- Specifications are subject to change without prior notice for product improvement.


**76/96 kBtu/h**

**120 kBtu/h**

Outdoor unit model			CSM-OSD76.HB3	CSM-OSD96.HB3	CSM-OSD120.HB3
Outdoor unit power supply			380~415V, 3Ph~, 50Hz	380~415V, 3Ph~, 50Hz	380~415V, 3Ph~, 50Hz
Max. power input	kW		11.7	14.4	17.3
Max. current	A		19.3	23.7	28.6
Noise level	dB(A)		68	68	69
Compressor (Type / Quantity)			Scroll / 1	Scroll / 1	Scroll / 1
Refrigerant (Type / Charged)			R410A / 5.4kg	R410A / 5.5kg	R410A / 7.5kg
Fan type / Drive type			Axial / Direct	Axial / Direct	Axial / Direct
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin
Refrigerant piping size	mm		Ø9.52 (Liquid), Ø22 (Gas)	Ø9.52 (Liquid), Ø25 (Gas)	Ø12.7 (Liquid), Ø28.6 (Gas)
Ambient temperature	°C		17~46	17~46	17~46
Dimension	Body (W×H×D)	mm	1,260×908×700	1,260×908×700	1,260×908×700
	Packing (W×H×D)	mm	1,320×1,060×730	1,320×1,060×730	1,320×1,060×730
Net / Gross weight	kg		174 / 193	187 / 204	201 / 217

**Notes:**

1. Cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.
2. Heating capacity test condition: Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.
3. Specifications are subject to change without prior notice for product improvement.