

# Large Duct Split R410a

## Duct Indoor Unit

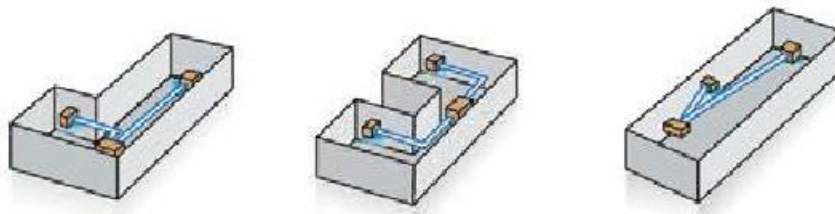


### Convenient installation >>

- ❖ 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 - Tropical (T3) Application

## High static pressure duct

Heat pump:  
CSM-ITDH76.HB0  
Cooling only:  
CSM-ITDH76.CB0



Heat pump:  
CSM-ITDH96.HB0  
Cooling only:  
CSM-ITDH96.CB0



Indoor unit model			CSM-ITDH76.HB0	CSM-ITDH96.HB0	CSM-ITDH76.CB0	CSM-ITDH96.CB0
Outdoor unit model / Quantity			CSM-OTS76.HB3 / 1	CSM-OTS96.HB3 / 1	CSM-OTS76.CB3 / 1	CSM-OTS96.CB3 / 1
Indoor unit power supply			220~240V, 1Ph~, 50Hz			
Cooling	Capacity (T1/T3)	Btu/h	75,100 / 64,100	96,000 / 87,860	75,100 / 64,100	96,000 / 87,860
		kW	22.0 / 18.8	28.1 / 25.75	22.0 / 18.8	28.1 / 25.75
	Input (T1/T3)	kW	7.5 / 8.85	9.6 / 15.00	7.5 / 8.85	9.6 / 15.00
	EER (T1)	W/W	2.93	2.93	2.93	2.93
Heating	Capacity	Btu/h	85,000	106,000	-	-
		kW	25.0	31.1	-	-
	Input	kW	8.3	10.3	-	-
	COP	W/W	3.01	3.02	-	-
Max. power input		kW	11.7(Whole units)	1.4(Whole units)	11.7(Whole units)	1.4(Whole units)
Max. current		A	19.3(Whole units)	5.8(Whole units)	19.3(Whole units)	5.8(Whole units)
Air flow (Hi)		m <sup>3</sup> /h	4,250 (2,500CFM)	5,100 (3,000CFM)	4,250 (2,500CFM)	5,100 (3,000CFM)
Standard external static pressure		Pa	196	196	196	196
Noise level (Hi)		dB(A)	58	56	58	56
Fan type / Drive type			Centrifugal / Direct			
Coil			Copper tube and aluminum fin			
Controller			Wireless controller (R51/E)	Wired controller (KJR-29B)	Wireless controller (R51/CE)	Wired controller (KJR-29B)
Dimension	Net (W×H×D)	mm	1,443×450×846	1,452×462×797	1,443×450×846	1,452×462×797
	Packing (W×H×D)	mm	1,549×476×917	1,555×500×875	1,549×476×917	1,555×500×875
Net / Gross weight		kg	105 / 120	97 / 109	105 / 120	97 / 109

**Notes:**

- T1 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.
- T3 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.
- Specifications are subject to change without prior notice for product improvement.

Heat pump/Cooling only  
76/96 kBtu/h



Outdoor unit model		CSM-OTSD76.HB3	CSM-OTSD96.HB3	CSM-OTSD76.CB3	CSM-OTSD96.CB3
Outdoor unit power supply		380~415V, 3Ph~, 50Hz	380~415V, 3Ph~, 50Hz	380~415V, 3Ph~, 50Hz	380~415V, 3Ph~, 50Hz
Max. power input	kW	11.7(Whole units)	14.4(ODU)	11.7(Whole units)	14.4(ODU)
Max. current	A	19.3(Whole units)	23.7(ODU)	19.3(Whole units)	23.7(ODU)
Noise level	dB(A)	65	68	65	68
Compressor (Type / Quantity)		Scroll / 1	Scroll / 1	Scroll / 1	Scroll / 1
Refrigerant (Type / Charged)		R410A / 5.4kg	R410A / 6.0kg	R410A / 5.4kg	R410A / 6.0kg
Fan type / Drive type		Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct
Coil		Copper tube and aluminum fin		Copper tube and aluminum fin	
Refrigerant piping size	mm	Ø9.52 (Liquid), Ø22 (Gas)	Ø9.52 (Liquid), Ø25 (Gas)	Ø9.52 (Liquid), Ø22 (Gas)	Ø9.52 (Liquid), Ø25.4 (Gas)
Ambient temperature		°C	17~52	17~52	17~52
Dimension	Body (W×H×D)	mm	1,260×908×700	1,312×919×658	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	177 / 192	171 / 190

**Notes:**

1. T1 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. T3 cooling capacity test condition: Outdoor ambient temperature: 46°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.
3. 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.
4. Specifications are subject to change without prior notice for product improvement.