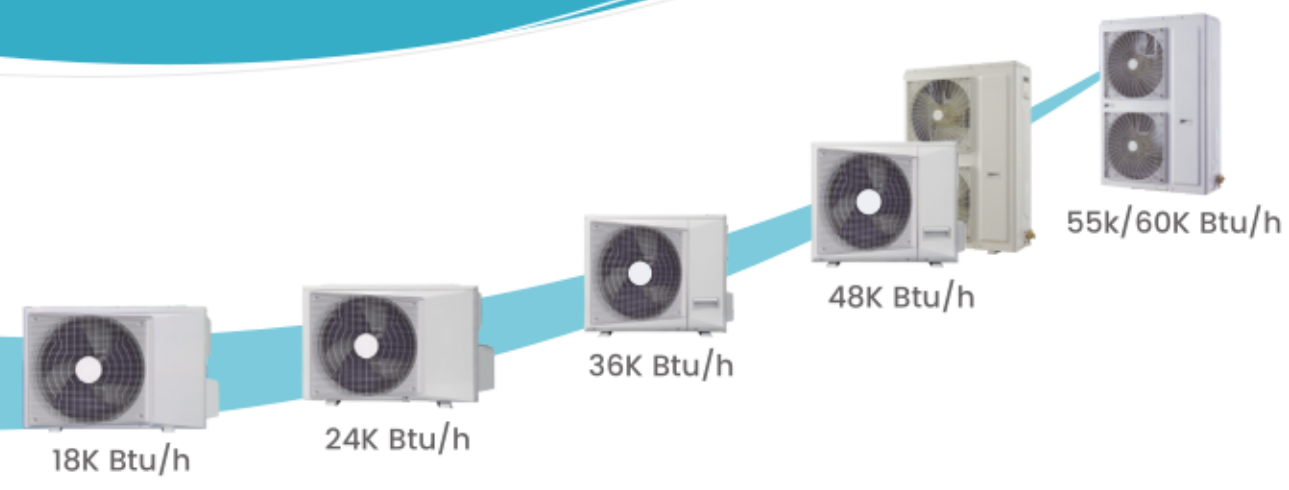


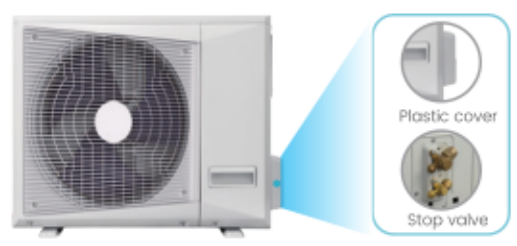
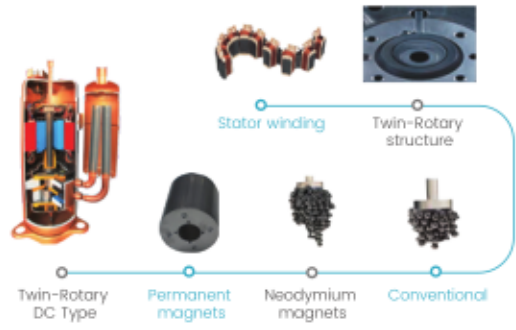
# DC Inverter Mono LCAC Universal Outdoor Unit



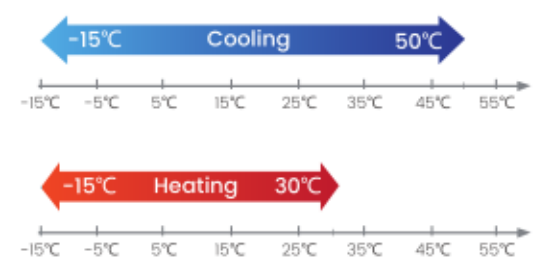
## Features

**DC inverter compressor**  
High efficiency rotary DC inverter compressor, system can operate in the best performance due to adjustable frequency.

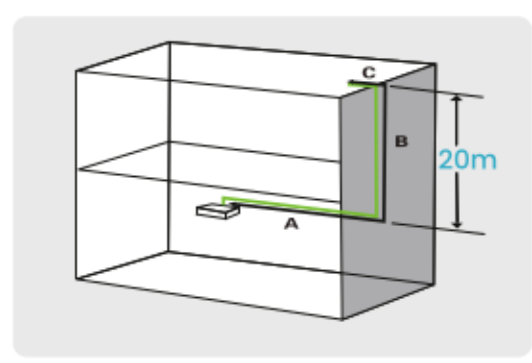
**Brand-new design**  
Brand-new outdoor unit design, external stop valve for easy installation and maintenance, there is also plastic cover to protect it from environmental erosion and accidental damage.



**Wide operation range**  
Wide outdoor operation range, realize normal running in the critical conditional.



**Refrigerant piping**  
Long piping design, for ≥10.5kw, the MAX pipe length is 50m, and height difference is 20m.



## Specification

### R32 Heat Pump

Outdoor unit		COU-V48HZR4-050D	COU-V55HZR4-050D
Power supply	V/N/Hz	380-415/3/50	380-415/3/50
Cooling capacity	kW	14	16
Heating capacity	kW	15	17
Max. power input	W	5400	7200
Max. current input	A	10.0	13.5
<b>Physical data</b>			
Compressor		DC/Twin-rotary	DC/Twin-rotary
Outdoor air flow	m <sup>3</sup> /h	5500	5500
Outdoor pressure noise level	dB(A)	65	65
Outdoor unit	Net(WxHxD)	985×400×1335	985×400×1335
	Packing(WxHxD)	1010×415×1445	1010×415×1445
	Net/Gross weight	83/93	80/90
Refrigerant type/quantity	g	R32/2600	R32/2500
Refrigerant piping	Liquid/Gas side	Φ9.52/Φ15.88	Φ9.52/Φ15.88
	Max pipe length	50	50
Ambient temp.	Cooling	-15-50	-15-50
	Heating	-15-30	-15-30

### R410a Heat Pump

Outdoor unit		COU-V18HRI-AA01	COU-V24HRI-A01	COU-V36HRI-D01	COU-V36HZRI-D01	COU-V48HRI-D01	COU-V48HZRI-D01	COU-V60HRI-050D
Power supply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50	380-415/3/50
Cooling capacity	kW	5.3	7.0	10.5	10.5	14.0	14.0	16.0
Heating capacity	kW	5.3	7.0	10.5	10.5	14.0	14.0	17.6
Max. input consumption	W	2200	3220	3800	3800	4900	4900	6400
Max. current	A	9.6	14.0	16.5	6.0	21.3	7.7	11.5
<b>Physical data</b>								
Compressor		DC/Rotary	DC/Rotary	DC/Twin-rotary	DC/Twin-rotary	DC/Twin-rotary	DC/Twin-rotary	DC/Twin-rotary
Outdoor noise level	dB(A)	≤51	≤53	≤57	≤57	≤58	≤58	≤58
Outdoor unit	Net(WxHxD)	804×304×496	880×345×555	1032×445×807	1032×445×807	1032×445×807	1032×445×807	985×400×1335
	Packing(WxHxD)	850×350×550	915×380×605	1075×495×875	1075×495×875	1075×495×875	1075×495×875	1010×415×1445
	Net/Gross weight	28.2/30.0	34.2/36.7	60.5/64.5	60.5/64.5	66.5/70.5	67.3/70.6	80.0/90.0
Refrigerant type/quantity	g	R410A/1400	R410A/1600	R410A/2300	R410A/2300	R410A/3250	R410A/3250	R410A/3400
Refrigerant piping	Liquid/Gas side	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88
	Max pipe length	15	20	50	50	50	50	50
Ambient temp.	Cooling	-15-50	-15-50	-15-50	-15-50	-15-50	-15-50	-15-50
	Heating	-15-30	-15-30	-15-30	-15-30	-15-30	-15-30	-15-30

**Note**  
1.The cooling condition T1 condition: indoor side 27°C (80.6°F) DB, 19°C (66°F) WB, outdoor side 35°C (95°F) DB  
2.The heating condition: indoor side 20°C (68°F) DB, 15°C (44.6°F) WB, outdoor side 7°C (42.6°F) DB.  
3.Sound level: measured at a point 1m in front of the unit at a height of 1.3m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.  
4.The above data may be changed without notice for future improvement on quality and performance.



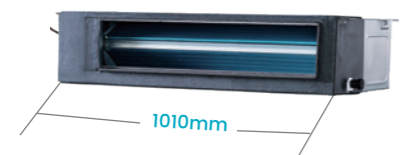
# Low ESP Short Ducted Unit

## Controller

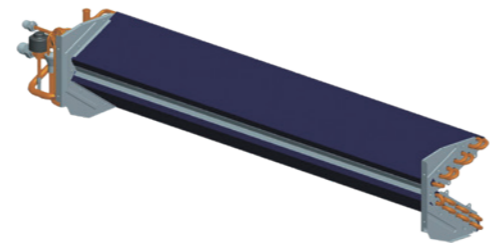


## Features

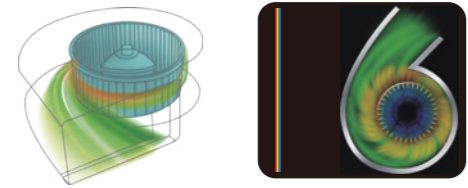
**Short body design**  
Short body, 1010mm length, easy to install, low noise and light weight, suitable for hotel room.



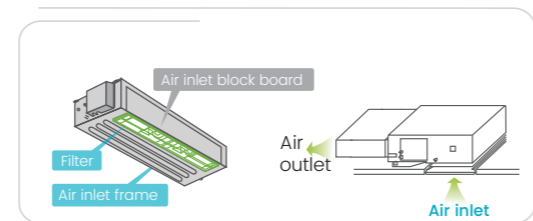
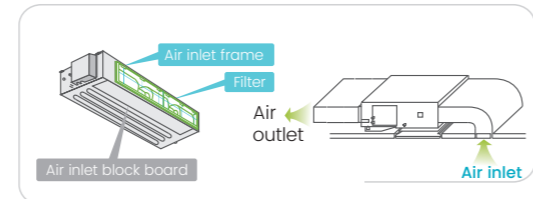
**High heat exchange efficiency**  
V shaped evaporator design, increasing the heating exchanger efficiency.



**Centrifugal fan blade**  
Adopting aviation centrifugal fan blade with special air tunnel design, as well as fan motor anti-vibration measure, benefit to increase air flow and decrease the noise.



**Flexible installation**  
Air return method is optional by actual installation, from rear or from bottom.



**Big air flow low noise centrifugal fan wheel**  
Big air flow low noise centrifugal fan blade with special air tunnel system, and the unique shock absorption measures, making this series ducted units' running noise is as low as 28 dB(A), let users to enjoy the comfort, sleep without any disturbance.

**Water pump**  
Water pump is optional, pump head is up to 700mm.

## Specification

### R410a Heat Pump

Model		CTA-V18HR1-F102	CTA-V24HR1-F103	
Indoor power supply	V/N/Hz	220-240/1/50	220-240/1/50	
<b>Performance</b>				
Cooling	Capacity	kW	5.3	7.0
Heating	Capacity	kW	5.3	7.0
<b>Physical data</b>				
Indoor air flow (high speed)	m <sup>3</sup> /h	750	800	
Static pressure	Pa	0-30	0-30	
Indoor noise level	dB(A)	28-38	29-39	
Indoor unit	Net (WxHxD)	mm	1010x210x467	1279x210x467
	Packing (WxHxD)	mm	1110x240x510	1310x240x510
	Net/Gross weight	kg	21.5/24.5	25/28
<b>Piping data</b>				
Refrigerant liquid/gas side pipe	mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	
Drainage pipe	mm	DN25	DN25	

**Note**

- The cooling condition T1 condition: indoor side 27°C (80.6°F) DB, 19°C (60°F) WB, outdoor side 35°C (95°F) DB.
- The heating condition: indoor side 20°C (68°F) DB, 15°C (44.6°F) WB, outdoor side 7°C (42.8°F) DB.
- Sound level: measured at a point 1m in front of the unit at a height of 1.3m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- The above data may be changed without notice for future improvement on quality and performance.



# Medium ESP Ducted Unit

## Controller



## Features

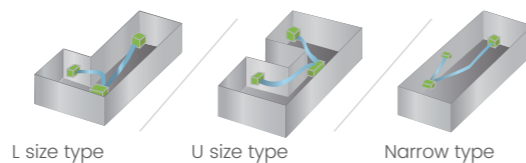
### Ultra thin body

260mm ultra thin body, easy to install, low noise and light weight, suitable for hotel room.



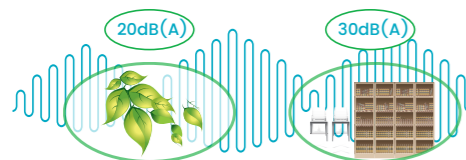
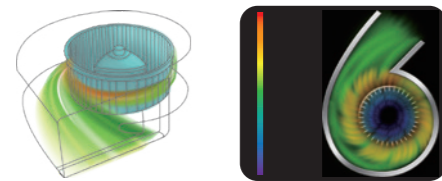
### Wide application

50Pa ESP design for medium static pressure duct, duct connected installation meet for different room structure, and it can be customized to 70Pa ESP.



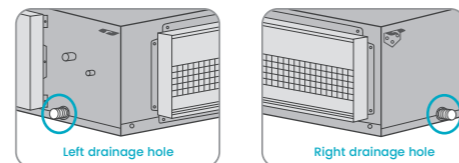
### Centrifugal fan blade

Adopting aviation centrifugal fan blade with special air tunnel design, as well as fan motor anti-vibration measure, benefit to increase air flow and decrease the noise.



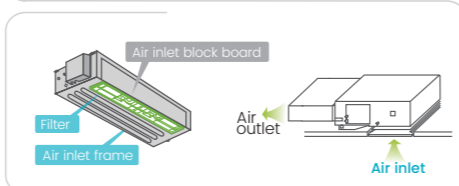
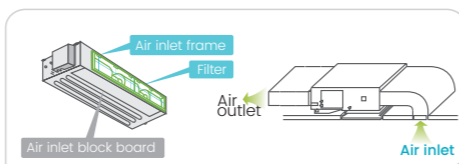
### Convenient for drainage pipe installation

Reserved drainage pipe outlet holes on left side and right side, installer can choose the outlet holes on site as per actual conditions, flexible for drainage pipe installation.



### Flexible installation

Air return method is optional by actual installation, from rear or from bottom.



### Body-side E-box

Body-side is E-box, convenient installation and maintenance.



## Specification

### R32 Heat Pump



Indoor unit		CTB-V48HR4-F205	CTB-V55HR4-F205
Power supply	V/N/Hz	220-240/1/50	220-240/1/50
<b>Capacity</b>			
Cooling capacity	kW	14	16
Heating capacity	kW	15	17
<b>Physical data</b>			
Indoor fan motor		AC	AC
Indoor air flow	m <sup>3</sup> /h	1900	1900
Rated static pressure	Pa	50	50
Static pressure range	Pa	0-80	0-80
Indoor noise level	dB(A)	40-52	40-52
Dimension (WxHxD)	mm	1425×643×260	1425×643×260
Packing (WxHxD)	mm	1490×720×325	1490×720×325
Net/Gross weight	kg	45/51	45/51
<b>Piping data</b>			
Refrigerant liquid/gas side	mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88
Drainage pipe	mm	DN25	DN25

### R410a Heat Pump



Model		CTB-V36HR1-F203	CTB-V48HR1-F205	CTB-60HVR1
Indoor power supply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50
<b>Performance</b>				
Cooling Capacity	kW	10.5	14.0	16.0
Heating Capacity	kW	10.5	14.0	17.6
<b>Physical data</b>				
Indoor air flow (high speed)	m <sup>3</sup> /h	1300	1900	2000
Static pressure	Pa	50-70	50-70	50-70
Indoor noise level	dB(A)	33-42	40-52	40-52
Indoor unit	Net (WxHxD)	mm	1190×260×643	1425×260×643
	Packing (WxHxD)	mm	1255×325×720	1490×325×720
	Net/Gross weight	kg	32/37	45/51
<b>Piping data</b>				
Refrigerant liquid/gas side pipe	mm	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88
Drainage pipe	mm	DN25	DN25	DN25

### Note

1. The cooling condition T1 condition: indoor side 27°C (80.6°F) DB, 19°C (60°F) WB, outdoor side 35°C (95°F) DB.
2. The heating condition: indoor side 20°C (68°F) DB, 15°C (44.6°F) WB, outdoor side 7°C (42.8°F) DB.
3. Sound level: measured at a point 1m in front of the unit at a height of 1.3m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4. The above data may be changed without notice for future improvement on quality and performance.