

Light Commercial Systems

TESLA

DC Inverter Light

Outdoor Units



18k Btu/h



24k Btu/h



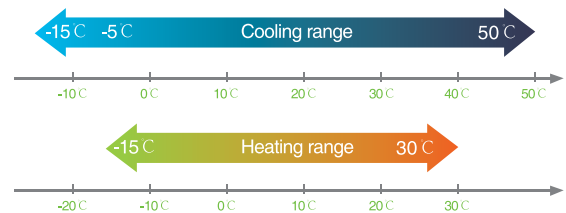
36k Btu/h



48k/60k Btu/h

Energy saving and excellent in efficient, SCOP is up to 3.8, reaching European A and A+ class energy label, meet the EU's new energy efficiency requirement.

Wide outdoor operating range, realize running normally in the critical conditional. For 36k-60k Btu/h, the cooling operation temperature is down to -15 degree.



R410A Heating Pump



Model			COU-18HDR1	COU-24HDR1	COU-36HDR1	COU-36HZDR1	COU-48HZVR1	COU-60HZVR1
Power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50	380~415/3/50
Performance								
Cooling	Capacity	Btu/h	18,000	24,000	36,000	36,000	48,000	60,000
		KW	5.3(2.0-5.6)	7.0(3.5-8.0)	10.5(6.6-12.8)	10.5(6.6-12.8)	14.0(7.15-15.6)	16.0(7.8-17.5)
Heating	Capacity	Btu/h	20,000	26,000	40,000	36,000	52,000	60,000
		KW	5.9(3.0-6.0)	7.7(4.5-8.5)	11.5(7.35-13.2)	11.5(7.35-13.2)	15.2(8.0-17.2)	17.6(8.5-19.5)
Physical data								
Compressor type			DC/ Twin-rotary	DC/ Twin-rotary	DC/ Twin-rotary	DC/ Twin-rotary	DC/ Twin-rotary	DC/ Twin-rotary
Motor type			DC	DC	DC	DC	AC/DC	AC/DC
Air flow		m³/h	4000	5000	5800	5800	7200	7200
Noise level (MAX)	Power level	dB(A)	63	67	68	68	70	70
	Pressure level		52	54	55	55	58	58
Net dimension (W*H*D)		mm	925×700×366	958×843×392	1054x944x399	1054x944x399	950×1335×388	950×1335×388
Net weight		kg	45	59	80	80	96	96
Packing dimension (W*H*D)		mm	990×410×770	1025×880×430	1135×1045×465	1135×1045×465	964x1445x402	964x1445x402
Gross weight		kg	49	69	86	85	104	104
Refrigerant type / Quantity		g	R410A/1800	R410A/2400	R410A/3700	R410A/3700	R410A/4100	R410A/4100
Piping data								
Diameter	Liquid side	mm	Φ6.53	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas side	mm	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Max pipe length		m	15	20	50	50	50	50
Max height difference		m	8	10	20	20	20	20

4-way Cassette Unit



18k-60k Btu/h

R410A Heating Pump



Model			CCA-18HVR1	CCA-24HVR1	CCA-36HVR1	CCA-48HVR1	CCA-60HVR1
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
Performance							
Cooling	Capacity	Btu/h	18,000	24,000	36,000	48,000	60,000
		KW	5.3(2.0-5.6)	7.0(3.5-8.0)	10.5(6.6-12.8)	14.0(7.15-15.6)	16.0(7.8-17.5)
	Input	KW	1.59(0.42-1.84)	2.15(0.6-3.0)	3.27(1.05-4.6)	4.78(1.22-5.58)	5.33(1.9-6.1)
	SEER		5.6	5.6	5.1	/	/
	EER		3.33	3.26	3.21	2.93	3.0
Energy class			A+	A+	A	A	A
Heating	Capacity	Btu/h	20,000	26,000	40,000	52,000	60,000
		KW	5.9(3.0-6.0)	7.7(4.5-8.5)	11.5(7.35-13.2)	15.2(8.0-17.2)	17.6(8.5-19.5)
	Input	KW	1.43(0.64-1.64)	2.07(1.5-2.6)	3.2(1.1-4.15)	4.23(1.2-5.28)	4.96(2.0-6.5)
	SCOP		4.0	4.0	4.0	/	/
	COP		4.12	3.72	3.59	3.59	3.55
Energy class			A+	A+	A+	A	A
Physical data							
Airflow (High speed)		m³/h	900	1100	1800	1900	1900
Noise level (MAX)	Power level	dB (A)	46-58	56-63	53-61	56-63	56-63
	Pressure level		36-45	43-49	43-48	45-52	45-52
Net simension (W*H*D)	Body	mm	840×230×840	840×230×840	840×285×840	840×285×840	840×285×840
	Panel	mm	950×50×950	950×50×950	950×50×950	950×50×950	950×50×950
Net weight	Body	kg	25	25	30.5	30.5	30.5
	Panel	kg	5.4	5.4	5.4	5.4	5.4
Packing dimension (W*H*D)	Body	mm	920×265×920	920×265×920	920×310×920	920×310×920	920×310×920
	Panel	mm	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030
Gross weight	Body	kg	30	30	36	36	36
	Panel	kg	8.0	8.0	8.0	8.0	8.0
Piping data							
Diameter	Liquid side	mm	Φ6.53	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas side	mm	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Drain pipe		mm	DN25	DN25	DN25	DN25	DN25

Floor & Ceiling Unit



18k-60k Btu/h

Flexible installation, ceiling suspended and floor standing.

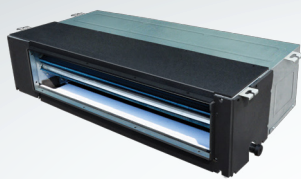


R410A Heating Pump

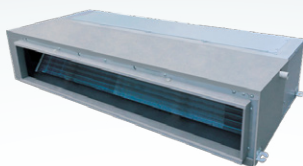


Model			CUA-18HVR1	CUA-24HVR1	CUA-36HVR1	CUA-48HVR1	CUA-60HVR1
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
Performance							
Cooling	Capacity	Btu/h	18,000	24,000	36,000	48,000	60,000
		KW	5.3(2.0-5.6)	7.0(3.5-8.0)	10.5(6.6-12.8)	14.0(7.15-15.6)	16.0(7.8-17.5)
	Input	KW	1.6(0.42-1.84)	2.15(0.6-3.0)	3.27(1.05-4.6)	4.86(1.22-5.58)	5.43(1.9-6.1)
	SEER		5.6	5.6	5.6	/	/
	EER		3.31	3.26	3.21	2.88	2.95
Energy class			A+	A+	A+	A	A
Heating	Capacity	Btu/h	20,000	26,000	40,000	52,000	60,000
		KW	5.9(3.0-6.0)	7.7(4.5-8.5)	11.5(7.35-13.2)	15.2(8.0-17.2)	17.6(8.5-19.5)
	Input	KW	1.39(0.64-1.64)	2.0(1.5-2.6)	3.05(1.1-4.15)	4.31(1.2-5.28)	5.06(2.0-6.5)
	SCOP		4.0	4.0	4.0	/	/
	COP		4.24	3.85	3.77	3.53	3.48
Energy class			A+	A+	A+	A	A
Physical data							
Airflow (High speed)		m³/h	900	1150	1800	2000	2000
Noise level (MAX)	Power level	dB (A)	46-58	53-60	56-65	56-67	57-67
	Pressure level		36-47	43-49	45-51	45-52	46-52
Net dimension (W*H*D)		mm	1245×680×240	1245×680×240	1245×680×240	1670×680×240	1670×680×240
Net weight		kg	34	35	35	50	50
Packing dimension (W*H*D)		mm	1325×770×325	1325×770×325	1325×770×325	1750×765×330	1750×765×330
Gross weight		kg	40	41	41	57	57
Piping data							
Diameter	Liquid side	mm	Φ6.53	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas side	mm	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Drain pipe		mm	DN25	DN25	DN25	DN25	DN25

Low/Medium/High Ducted Type Units



Low Ducted Unit
(18k-24k Btu/h)

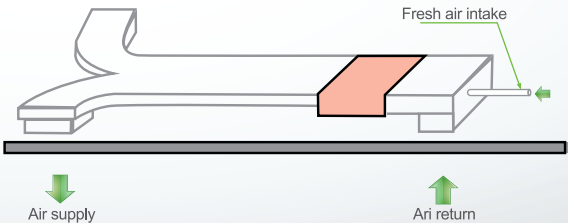


Medium Ducted Unit
(36k-60k Btu/h)



High Ducted Unit
(48k-60k Btu/h)

Install a duct to outside in the air return side, realize the fresh air intake and keep room air fresh.



Low Short Ducted Unit



Model			CTA-18HVR1	CTA-24HVR1
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50
Performance				
Cooling	Capacity	Btu/h	18,000	24,000
		KW	5.3(2.0-5.6)	7.0(3.5-8.0)
	Input	KW	1.59(0.42-1.84)	2.14(0.6-3.0)
	SEER		5.5	5.5
	EER		3.33	3.27
Energy class			A	A
Heating	Capacity	Btu/h	20,000	26,000
		KW	5.9(3.0-6.0)	7.7(4.5-8.5)
	Input	KW	1.4(0.64-1.64)	2.06(1.5-2.6)
	SCOP		3.8	3.8
	COP		4.21	3.74
Energy class			A	A
Physical data				
Airflow (High speed)		m³/h	800	1050
Stastic pressure		Pa	0-30	0-30
Noise level (MAX)	Power level	dB (A)	46-58	56-63
	Pressure level		36-45	43-47
Net dimension (W*H*D)		mm	900×460×210	1100×467×210
Net weight		kg	22.5	23
Packing dimension (W*H*D)		mm	1100×510×240	1310×510×240
Gross weight		kg	26.5	26
Piping data				
Diameter	Liquid side	mm	Φ6.53	Φ9.52
	Gas side	mm	Φ12.7	Φ15.88
Drain pipe		mm	DN25	DN25

R410A Medium ESP Short Ducted Unit



Model			CTB-36HVR1	CTB-48HVR1	CTB-60HVR1
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50
Performance					
Cooling	Capacity	Btu/h	36,000	48,000	60,000
		KW	10.5(6.6-12.8)	14.0(7.15-15.6)	16.0(7.8-17.5)
	Input	KW	3.27(1.05-4.6)	4.94(1.22-5.58)	5.49(1.9-6.1)
	SEER		5.1	/	/
	EER		3.21	2.83	2.91
	Energy class			A	A
Heating	Capacity	Btu/h	40,000	52,000	60,000
		KW	11.5(7.35-13.2)	15.2(8.0-17.2)	17.6(8.5-19.5)
	Input	KW	3.1(1.1-4.15)	4.39(1.2-5.28)	5.12(2.0-6.5)
	SCOP		3.8	/	/
	COP		3.71	3.46	3.44
Energy class			A	A	A
Physical data					
Airflow (High speed)		m³/h	1800	2000	2000
Stastic pressure		Pa	50	50	50
Noise level (MAX)	Power level	dB (A)	55-63	55-65	55-65
	Pressure level		42-48	40-52	40-52
Net dimension (W*H*D)		mm	1425×260×643	1425x260x643	1425x260x643
Net weight		kg	46	45	45
Packing dimension (W*H*D)		mm	1490×325×720	1490x325x720	1490x325x720
Gross weight		kg	50	50	50
Piping data					
Diameter	Liquid side	mm	Φ9.52	Φ9.52	Φ9.52
	Gas side	mm	Φ15.88	Φ15.88	Φ15.88
Drain pipe		mm	DN25	DN25	DN25

R410A High Short Ducted Unit



Model			CTH-48HVR1	CTH-60HVR1
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50
Performance				
Cooling	Capacity	Btu/h	48,000	60,000
		KW	14.0(7.15-15.6)	16.0(7.8-17.5)
	Input	KW	5.1(1.22-5.58)	5.65(1.9-6.1)
	SEER		/	/
	EER		2.75	2.83
	Energy class			A
Heating	Capacity	Btu/h	52,000	60,000
		KW	15.2(8.0-17.2)	17.6(8.5-19.5)
	Input	KW	4.55(1.2-5.28)	5.28(2.0-6.5)
	SCOP		/	/
	COP		3.34	3.33
	Energy class			A
Physical data				
Airflow (High speed)		m³/h	2300	2300
Stastic pressure		Pa	120	120
Noise level (MAX)	Power level	dB (A)	56-66	56-66
	Pressure level		44-52	44-52
Net dimension (W*H*D)		mm	1175x370x625	1175x370x625
Net weight		kg	47	47
Packing dimension (W*H*D)		mm	1245x445x655	1245x445x655
Gross weight		kg	51	51
Piping data				
Diameter	Liquid side	mm	Φ9.52	Φ9.52
	Gas side	mm	Φ15.88	Φ15.88
Drain pipe		mm	DN25	DN25