

Multi Split Air Conditioning Systems

TESLA

DC Inverter Multisplit

Outdoor Units



Dual split
(16k/18k Btu/h)



Triple split
(21k/27k Btu/h)



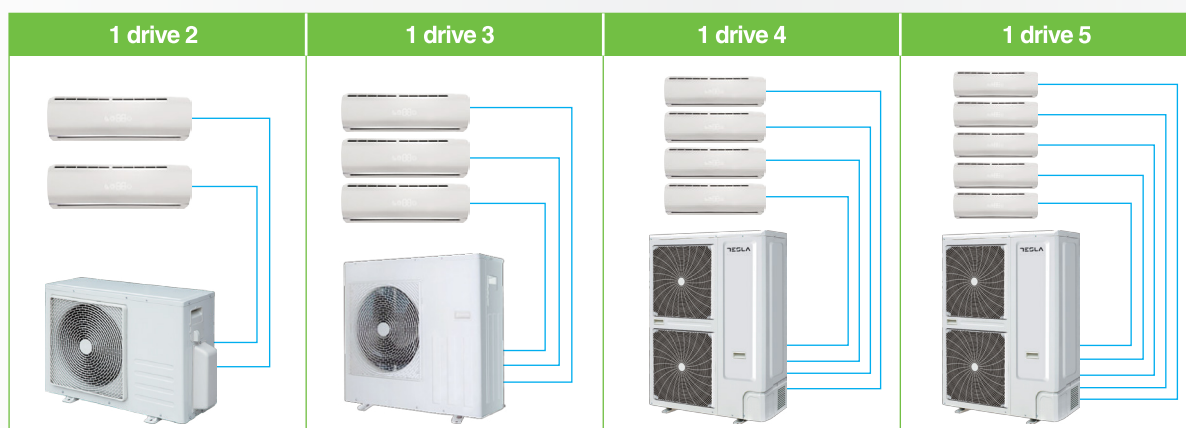
Fourfold split
(28k/36k Btu/h)



Fivefold split
(42k Btu/h)

Multi split systems include one outdoor unit and multiple indoor units. With a range of unit types and flexible layouts, they can be customized to suit any kind of residential or office space.

Matching mode



R410A Multi Split Outdoor Unit



ODU		C2OU-16HDR1-A	C2OU-18HDR1-A	C3OU-21HDR1-A	C3OU-27HDR1-A
IDU combination	KBtu/h	7+7 7+9	9+9 9+12	7+7+7 7+9+9 18+7	9+9+9 12+9+9 18+9
Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity					
Cooling	Capacity	Btu/h	7000-16000	7000-18000	7000-21000
	Input	W	1450	1650	1850
	Rated current	A	6.5	7.3	8.2
	EER	W/W	3.24	3.2	3.3
	SEER	W/W	6.4	6.4	6.4
	Capacity	Btu/h	8000-18000	8000-20000	8000-23000
Heating	Input	W	1420	1640	1820
	Rated current	A	6.4	7.2	8.1
	COP	W/W	3.65	3.6	3.7
	SCOP	W/W	4.2	4.1	4
Physical data					
Noise	dB(A)	54	54	55	55
Net dimension(W×H×D)	mm	944×608×345	944×608×345	989×843×392	989×843×392
Packing dimension(W×H×D)	mm	995×680×415	995×680×415	1030×960×435	1030×960×435
Net/Gross weight	kg	41/44	41/44	57/67	62/72
Piping data					
Liquid side/Gas side	mm	2×(6.35/9.52)	2×(6.35/9.52)	3×(6.35/9.52)	3×(6.35/9.52)
Max. pipe length	m	15	15	15	15
Max. height difference	m	10	10	10	10
Ambient temperature	℃	-15~48	-15~48	-15~48	-15~48
Application area	m ²	26~30	26~30	26~30	26~30
Stuffing quantity	40' HQ	192	192	124	124

ODU		C4OU-28HDR1-A	C4OU-36HDR1-A	C5OU-42HDR1-A
IDU combination	KBtu/h	7+7+7+7 12+12+9 18+12 24+7	9+9+9+9 12+12+12 18+18 24+12	9+9+9+9+9 12+12+12+9 18+12+12 24+18
Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	380~415/3/50
Capacity				
Cooling	Capacity	Btu/h	7000-28000	7000-36000
	Input	W	2520	3400
	Rated current	A	11.2	15.2
	EER	W/W	3.25	3.1
	SEER	W/W	6.2	6
Heating	Capacity	Btu/h	8000-30000	8000-38000
	Input	W	2450	3080
	Rated current	A	10.7	13.8
	COP	W/W	3.63	3.6
	SCOP	W/W	4	4
Physical data				
Noise	dB(A)	62	65	65
Net dimension(W×H×D)	mm	1090×997×399	1090×997×399	1090×997×399
Packing dimension(W×H×D)	mm	1150×1120×470	1150×1120×470	1150×1120×470
Net/Gross weight	kg	87/98.5	91/102.5	91/102.5
Piping data				
Liquid side/Gas side	mm	4×(6.35/9.52)	4×(6.35/9.52)	5×(6.35/9.52)
Max. pipe length	m	15	15	15
Max. height difference	m	10	10	10
Ambient temperature	℃	-15~48	-15~48	-15~48
Application area	m ²	26~30	26~30	26~30
Stuffing quantity	40' HQ	104	104	104

DC Inverter Multisplit

Indoor Units



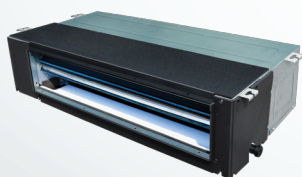
4-way Cassette Unit
(12k/18k Btu/h)



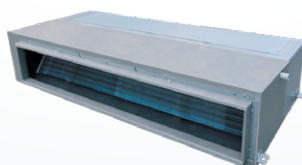
Wall Unit
(7k/24k Btu/h)



Floor & Ceiling Unit
(18k/60k Btu/h)



Low ESP Short Ducted Unit
(7k-24k Btu/h)



Medium ESP Ducted Unit
(18k-60k Btu/h)



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

The assortment of indoor units fit seamlessly into any space. With a wide selection of unit types– from standard models, wall or ceiling mounted units to space-saving systems – these air conditioners are designed to blend into any environment and meet the unique needs of every customer.

Capacity

Capacity(Btu/h)	9,000	12,000	18,000	24,000	36,000	48,000	60,000
Compact 4-way Cassette Unit							
4-way Cassette Unit							
Floor-ceiling Unit							
Low ESP Short Ducted Unit							
Medium ESP Ducted Unit							
High ESP Ducted Unit							
Outdoor Unit							

R410A Cassette Unit



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 dimension (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

R410 Wall Mounted Unit



Combination		9+7	7+7+7	7+7+7+7	9+9	9+9+9	9+9+9+9
Cooling	Btu/h	16000	21000	28000	18000	27000	36000
	kW	4.7	6.2	8.2	5.3	7.9	10.5
Heating	Btu/h	18000	23000	30000	20000	29000	38000
	kW	5.3	6.7	8.8	5.9	8.5	11.1
SEER(A)		6.4	6.3	6.2	6.2	6.1	6
Energy level		A++	A++	A++	A++	A++	A++
SCOP(A)		4.2	4	4	4.1	4	4
Energy level		A+	A+	A+	A+	A+	A+
Tbiv		-10	-10	-10	-10	-10	-10
Tol		-15	-15	-15	-15	-15	-15

Wall mounted IDU			CSG-07HVR1-A	CSG-09HVR1-A	CSG-12HVR1-A	CSG-18HVR1-A	CSG-24HVR1-A
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
Capacity							
Cooling	Capacity	Btu/h	7000	9000	12000	18000	24000
	Input	W	40	40	40	60	66
	Rated current	A	0.2	0.2	0.2	0.27	0.3
Heating	Capacity	Btu/h	8000	10000	13000	19000	25000
	Input	W	40	40	40	60	66
	Rated current	A	0.2	0.2	0.2	0.27	0.3
Physical data							
Indoor air flow(Hi/Mi/Lo)		m³/h	400/350/320	500/400/320	550/400/330	750/580/500	1000/900/700
Indoor noise level(Hi/Mi/Lo)		dB(A)	30/27/24	33/28/24	36/30/25	44/40/36	45/42/38
Sound power noise level(Hi)		dB(A)	47	47	50	58	60
Net dimension(W×H×D)		mm	878×290×227	878×290×227	878×290×227	953×347×270	1180×362×288
packing dimension(W×H×D)		mm	950×365×300	950×365×300	950×365×300	1075×380×310	1235×390×330
Net/Gross weight		kg	8.5/11	8.5/11	8.5/11	10.5/13.5	13.5/16.5
Piping data							
Liquid/Gas		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	9.52/15.88
Drainage pipe		mm	DN20	DN20	DN20	DN20	DN20
Application area		m²	10~15	12~18	16~23	23~34	34~51

R410A Floor & Ceiling Unit



Indoor unit			CUA-18HR1	CUA-24HR1	CUA-36HR1	CUA-48HR1	CUA-60HR1
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
Capacity							
Cooling	Capacity	Btu/h	18000	24000	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	130	150	300	260	260
	Rated current	A	0.3	0.7	1.4	1.15	1.15
	EER	W/W	2.61	2.78	2.62	2.66	2.68
Heating	Capacity	Btu/h	19800	26000	39000	52000	60000
		KW	5.9	7.7	11.5	15.2	16.0
	Input	W	130	150	300	260	260
	Rated current	A	0.3	0.68	1.4	1.15	1.15
	COP	W/W	3.24	3.42	3.19	2.84	2.64
Physical data							
Indoor air flow(Hi/Med/Lo)		m³/h	790/670/540	1300/1050/900	1700/1300/1100	2300/1900/1500	2300/1900/1500
Indoor noise level(Hi/Med/Lo)		dB(A)	52/48/44	48/43/39	52/48/44	57/52/48	57/52/48
Dimension(W×H×D)		mm	880×635×203	1245×680×247	1245×680×247	1670×680×247	1670×680×247
Packing dimension(W×H×D)		mm	970×725×300	1325×770×325	1325×770×325	1750×770×325	1750×770×325
Net/Gross weight		kg	30/35	35/41	37/43	47/54	47/54
Refrigerant type			R410A	R410A	R410A	R410A	R410A
Piping data							
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainag pipe		mm	DN25	DN25	DN25	DN25	DN25
Application area		m²	20-35	28-50	40-70	55~95	60~105
Stuffing quantity(Set)		40' HQ	150	95	70	60	60

R410A Low ESP 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
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
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
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


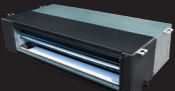
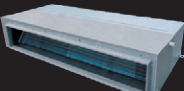


R410A High ESP Short Ducted Unit







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

Indoor Units Line Up

Capacity (KW)	1-way cassette	2-way cassette	4-way cassette	4-way cassette (compact type)	Wall-mounted
					
2.2	●			●	●
2.8	●		●	●	●
3.6	●		●	●	●
4.5	●	●	●	●	●
5.6	●	●	●		●
7.1	●	●	●		●
8.0		●	●		
9.0		●	●		
10.0		●	●		
11.2		●	●		
12.0					
12.5		●	●		
14.0		●	●		
15.0					
16.0			●		

Capacity (KW)	Floor Ceiling	Short ceiling concealed ducted unit	Medium ESP ducted unit	High ESP ducted unit	Fresh air processor
					
2.2		●			
2.8		●			
3.6		●			
4.5	●	●			
5.6	●	●			
7.1	●	●	●	●	
8.0	●		●	●	
9.0	●		●	●	
10.0			●	●	
11.2	●				
12.0			●	●	
14.0	●				●
15.0			●		
16.0	●				
20.0				●	
22.4					●
25.0				●	
28.0				●	●
45.0				●	●
56.0				●	●

Multi Split Combinations

Outdoor Unit		Indoor Unit				Combination
		CSG-7HVR1	CSG-9HVR1	CSG-12HVR1	CSG-18HVR1	
1 drive 2	C2OU-16HVR1 	●				7
			●			9
				●		12
		● ●				7+7
		●	●			7+9
		●		●		7+12
			● ●			9+9
	C2OU-18HVR1 		●	●		9+12
		●				7
			●			9
				●		12
		● ●				7+7
		●	●			7+9
		●		●		7+12
1 drive 3	C3OU-21HVR1 		● ●			9+9
			●			9+12
				● ●		12+12
		● ● ●				7+7+7
		● ●	●			7+7+9
		● ●		●		7+7+12
		●	● ●			7+9+9
		●	●	●		7+9+12
		●		● ●		7+12+12
			● ● ●			9+9+9
			● ●	●		9+9+12
			●	● ● ●		9+12+12
				● ● ● ●		12+12+12
	C3OU-27HVR1 	●				7
			●			9
				●		12
					●	18
		● ●				7+7
		●	●			7+9
		●		●		7+12
		●			●	7+18
			● ●			9+9
			●	●		9+12
			●		●	9+18
				● ●		12+12
				●	● ●	12+18
					● ●	18+18
		● ● ●				7+7+7
		● ●	●			7+7+9
		● ●		●		7+7+12
		● ●			●	7+7+18
		●	● ●			7+9+9
		●	●	●		7+9+12
		●	●		●	7+9+18
		●		● ●		7+12+12
		●		●	●	7+12+18
			● ● ● ●			9+9+9
			● ●	●		9+9+12
			● ●		●	9+9+18
			●	● ●		9+12+12
			●	●	●	9+12+18
				● ●	●	12+12+18