

Carrier
XPOWERMULTI
INVERTER

Multi Split System
Continuous Comfort. Endless Options.



Smart Comfort. Superior Performance.

Carrier's Xpower Multi Split System will deliver the ultimate cooling and heating comfort with the maximum flexibility.



Energy Efficient — DC Inverter technology with twin rotary compressor and DC fan motor, allows systems to achieve excellent energy efficiencies up to 20 SEER.

Space-saving Installation — Up to five indoor units can be connected to a single outdoor unit, reducing the number of outdoor units required. All indoor units can be individually controlled and do not need to be installed at the same time.



Application Flexibility — Long piping design for a wide choice of installation sites.

Personalized Comfort Control — Enjoy separate comfort settings on the indoor units with individual remote controls.

Quiet Operation — Ideal for spaces where people spend large amounts of time, and need low sound levels.



Environmentally Friendly — Washable filters on indoor units and the use of R410A refrigerant reduce harmful effects on the earth.

Built to last — The outdoor unit is built to last with a coil golden anti-corrosive treatment, which prolongs the unit's performance and sustains the most severe climates.

TECHNICAL SPECIFICATIONS

Outdoor Units



INVERTER CONDENSER-COOLING ONLY

Outdoor Model		38KUS018DS2	38KUS027DS3	38KUS036DS4	38KUS042DS5
Power supply	V-ph-Hz	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph
Rating Capacity(Range)	Btu/h	18000(10000-19000)	27000(19000-28000)	36000(19000-37000)	42000(19000-43000)
Rating Current(Range)	A	7.1(3.4-8.3)	10.9(6.1-13.0)	16.1(9.3-16.5)	17.6(6.2-18.1)
Rating Input	W	1650	2400	3600	3950
Max current	A	10	15	21.5	23
Max input	W	2100	3100	4600	4800
EER	W/W	3.2	3.3	2.9	3.1
SEER		20	20	20	20
Outdoor air flow	m3/h	2700	2700	4000	4000
Outdoor sound pressure level	dB(A)	59	60	62	62
Metering device		Capillary+EXV			
Dimension(W*D*H)	mm	845x363x702	845x363x702	946x410x810	946x410x810
Packing(W*D*H)	mm	965x395x755	965x395x755	1090x500x865	1090x500x865
Net/Gross weight	kg	45/48	49/52	68/73	72/77
Refrigerant charge amount, R410A	kg	1.1	1.25	2.6	3.3
Design pressure	MPa	4.2/1.5			
Refrigerant piping (Liquid side/ Gas side)	mm(inch)	2 x Φ6.35/Φ9.52(1/4"/3/8")	3 x Φ6.35/Φ9.52(1/4"/3/8")	3 x Φ6.35/Φ9.52(1/4"/3/8") 1 x Φ6.35/Φ12.7(1/4"/1/2")	4 x Φ6.35/Φ9.52(1/4"/3/8") 1 x Φ6.35/Φ12.7(1/4"/1/2")
Additional Adapters in CDU	mm(inch)	1 x Φ9.52-Φ12.7(3/8"-1/2")	1 x Φ9.52-Φ12.7(3/8"-1/2")	1 x Φ6.35-Φ9.52(1/4"-3/8") 1 x Φ9.52-Φ12.7(3/8"-1/2") 1 x Φ12.7-Φ15.9(1/2"-5/8") 1 x Φ12.7-Φ9.52(1/2"-3/8")	1 x Φ6.35-Φ9.52(1/4"-3/8") 1 x Φ9.52-Φ12.7(3/8"-1/2") 1 x Φ12.7-Φ15.9(1/2"-5/8") 1 x Φ12.7-Φ9.52(1/2"-3/8")
Max. length for all rooms	m	30	45	60	60
Max. length for one indoor unit	m	20	25	30	30
Max. vertical separation between indoor units	CDU above	10			
	CDU bellow	15			
Ambient Temp. cooling	°C	-10-46			
Compressor	Model	ASM135D23UFZ	ATF235D22UMT	ATF250D22UMT	ATF310D43UMT
	Type	Dual Rotary			
	Brand	GMCC			

Outdoor Units



HEAT PUMP INVERTER CONDENSER

Outdoor Model		38QUS018DS2-1	38QUS027DS3-1	38QUS036DS4-1	38QUS042DS5-1
Power supply	V-ph-Hz	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph
Rating Capacity (Cooling/ Heating)(Range)	Btu/h	18000/19000(10000-19000)	27000/28000(19000-28000)	36000/38000(19000-38000)	42000/42000(19000-43000)
Rating Current (Cooling/Heating)(Range)	A	7.3/6.8(3.4-8.3)	11.5/10.6(6.1-13.0)	16.6/13.7(9.3-17.2)	17/15.2(6.2-18.1)
Rating Input (Cooling/Heating)	W	1650/1530	2570/2350	3800/3110	3900/3465
EER / COP	W/W	3.2/3.6	3.1/3.6	2.8/3.5	3.2/3.5
SEER		20	20	20	20
Max current	A	12	16	21.5	22
Max input	W	2300	3300	4600	4700
Outdoor air flow	m ³ /h	2700	2700	4000	4000
Outdoor sound pressure level	dB(A)	59.5	59.5	63	63
Metering device		Capillary+EXV			
Dimension(W*D*H)	mm	845x363x702	845x363x702	946x410x810	946x410x810
Packing(W*D*H)	mm	965x395x755	965x395x755	1090x500x865	1090x500x865
Net/Gross weight	kg	48.5/52	52.5/56	70/75	76/81
Refrigerant charge amount, R410A	kg	1.9	2.1	3.0	3.6
Design pressure	MPa	4.2/1.5			
Refrigerant piping (Liquid side/ Gas side)	mm(inch)	2 x Φ6.35/Φ9.52(1/4"/3/8")	3 x Φ6.35/Φ9.52(1/4"/3/8")	3 x Φ6.35/Φ9.52(1/4"/3/8") 1 x Φ6.35/Φ12.7(1/4"/1/2")	4 x Φ6.35/Φ9.52(1/4"/3/8") 1 x Φ6.35/Φ12.7(1/4"/1/2")
Additional Adapters in CDU	mm(inch)	1 x Φ9.52-Φ12.7(3/8"-1/2")	1 x Φ9.52-Φ12.7(3/8"-1/2")	1 x Φ6.35-Φ9.52(1/4"-3/8") 1 x Φ9.52-Φ12.7(3/8"-1/2") 1 x Φ12.7-Φ9.52(1/2"-3/8") 1 x Φ12.7-Φ15.9(1/2"-5/8")	1 x Φ6.35-Φ9.52(1/4"-3/8") 1 x Φ12.7-Φ9.52(1/2"-3/8") 1 x Φ9.52-Φ12.7(3/8"-1/2") 1 x Φ12.7-Φ15.9(1/2"-5/8")
Max. length for all rooms	m	30	45	60	60
Max. length for one indoor unit	m	20	25	30	30
Max. height difference between IDU and CDU	m	10	10	10	10
Max. height difference between indoor units	m	10	10	10	10
Temp range cooling	°C	-10-46	-10-46	-10-46	-10-46
Temp range heating	°C	-15-24	-15-24	-15-24	-15-24
Compressor	Model	ASM135D23UFZ	ATF235D22UMT	ATF250D22UMT	ATF310D43UMT
	Type	Dual Rotary	Dual Rotary	Dual Rotary	Dual Rotary
	Brand	GMCC	GMCC	GMCC	GMCC

Indoor Units



HI WALL COOLING ONLY

INDOOR UNIT - High Wall 15C		42KHC009DSM	42KHC012DSM	42KHC018DSM	42KHC024DSM
Power supply	V-ph-Hz	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph
Capacity	Btu/h	9000	12000	18000	22000
Indoor fan motor input	W	22	22	36	60
Current	Rated current	0.2	0.2	0.3	0.3
Sound pressure level (high/med/low/silence)	dB(A)	38/34/30/21	40/35/31/22	42/37/35/24	47/42/38/26
Air flow (high/med/low/silence)	m3/h	470/390/300/180	500/390/300/180	600/500/400/260	600/500/400/260
Weight (Net/Gross)	kg	8.0 / 10.5	9.0 / 12.0	11.5 / 16.5	13.5 / 18.5
Dimensions (WxDxH)	mm	730x192x291	812x192x300	973x218x319	1082x225x338
Packing (W*D*H)	mm	800x275x375	880x275x385	1055x405x305	1165x420x315
Refrigerant piping (Liquid side/ Gas side)	mm(inch)	Φ6.35/Φ9.52 (1/4"/3/8")	Φ6.35/Φ9.52 (1/4"/3/8")	Φ6.35/Φ12.7 (1/4"/1/2")	Φ9.52/Φ15.9 (3/8"/5/8")



HI WALL HEAT PUMP

INDOOR UNIT - High Wall 15C		42QHC009DSM	42QHC012DSM	42QHC018DSM	42QHC024DSM
Power supply	V-ph-Hz	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph
Capacity	Btu/h	9000	12000	18000	22000
Indoor fan motor input	W	22	22	36	60
Current	Rated current	0.2	0.2	0.3	0.3
Sound pressure level (high/med/low/silence)	dB(A)	38/34/30/21	40/35/31/22	42/37/35/24	47/42/38/26
Air flow (high/med/low/silence)	m3/h	470/390/300/180	500/390/300/180	600/500/400/260	600/500/400/260
Weight (Net/Gross)	kg	8.0 / 10.5	9.0 / 12.0	11.5 / 16.5	13.5 / 18.5
Dimensions (WxDxH)	mm	730x192x291	812x192x300	973x218x319	1082x225x338
Packing (W*D*H)	mm	800x275x375	880x275x385	1055x405x305	1165x420x315
Refrigerant piping (Liquid side/ Gas side)	mm(inch)	Φ6.35/Φ9.52 (1/4"/3/8")	Φ6.35/Φ9.52 (1/4"/3/8")	Φ6.35/Φ12.7 (1/4"/1/2")	Φ9.52/Φ15.9 (3/8"/5/8")



CASSETTE

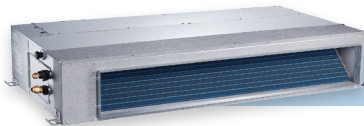
Model		42QTD009DS-1	42QTD012DS-1	42QTD018DS-1	42QTD024DS-1
Power supply	V-ph-Hz	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph
Capacity	Btu/h	9000	12000	18000	24000
Input	W	40	40	40	120
Current	A	0.18	0.18	0.18	0.53
Indoor air flow	m3/h	580/500/450	650/550/460	680/560/500	1520/1350/1200
Indoor sound pressure level	dB(A)	39/36/33.5	44/41/39	44/42/41	48/46/43
Dimension (W x Dx H)(body)	mm	570x570x260	570x570x260	570x570x260	840x840x245
Packing (W x Dx H)(body)	mm	655x655x290	655x655x290	655x655x290	900x900x257
Dimension (W x Dx H)(panel)	mm	647x647x50	647x647x50	647x647x50	950x950x55
Packing (W x Dx H)(panel)	mm	715x715x123	715x715x123	715x715x123	1035x1035x90
Net/Gross weight(body)	kg	14.5/17.3	14.4/17.2	16.1/18.9	24/28
Net/Gross weight	kg	2.5/4.5	2.5/4.5	2.5/4.5	5/8
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Drainage water pipe dia.	mm	ODΦ25	ODΦ25	ODΦ25	ODΦ32
Refrigerant piping Liquid side/ Gas side	mm	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
Controller		Remote control	Remote control	Remote control	Remote control
Room temperature	Cooling	°C	17-32	17-32	17-32
	Heating	°C	0-30	0-30	0-30
Operation temperature		°C	17-30	17-30	17-30

Indoor Units



FLOORCEILING

Model			42QZA009DS	42QZA012DS	42QZA018DS
Power supply	V-ph-Hz		208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph
Capacity	Btu/h		9000	12000	18000
Input	W		30	40	58
Current	A		0.13	0.17	0.25
Indoor air flow	m ³ /h		710/680/580/450	710/680/580/450	820/740/650/520
Indoor sound pressure level	dB(A)		45/40/35	46/40/34	48/44/39
Indoor unit	Dimension (W x Dx H)	mm	700x600x210		
	Packing (W x Dx H)	mm	810x710x305		
	Net/Gross weight	kg	13.5/18	15/20	15/20
Design pressure	MPa		4.2/1.5		
Drainage water pipe dia.	mm		ODΦ16		
Refrigerant piping	Liquid side/ Gas side	mm	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")
Controller			Remote control		
Room temperature	Cooling	°C	17-32		
	Heating	°C	0-30		
Operation temperature		°C	17-30		



SLIM DUCT FAN COIL

Model			42QSS012DS-1	42QSS018DS-1	42QSS024DS-1
Power supply	V-ph-Hz		208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph	208-230V~, 50/60Hz, 1Ph
Capacity	Btu/h		12000	18000	24000
Input	W		60	160	160
Current	A		0.3	0.8	0.8
Indoor air flow	m ³ /h		680/580/450	850/725/570	1200/1000/850
Indoor sound pressure level	dB(A)		42/38/35	42/40/36	44/42/37
Indoor unit	Dimension (W x Dx H)	mm	700x635x210	880x674x210	1100x774x249
	Packing (W x Dx H)	mm	915x655x290	1070x725x270	1305x805x305
	Net/Gross weight	kg	18.4/22.7	23.5/29	31/38
Design pressure	MPa		4.2/1.5	4.2/1.5	4.2/1.5
Drainage water pipe dia.	mm		ODΦ25	ODΦ25	ODΦ25
Refrigerant piping	Liquid side/ Gas side	mm	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
Controller			Wired control	Wired control	Wired control
Room temperature	Cooling	°C	17-32	17-32	17-32
	Heating	°C	0-30	0-30	0-30
Operation temperature		°C	17-30	17-30	17-30

Combinations & Capacities

OUTDOOR UNIT MODEL		COOLING CAPACITY (Btu/h)				
38KUS018DS2 (18K 1 drive 2)		IDU 1	IDU 2	IDU 3	IDU 4	IDU 5
9K+9K	2 --- IDU	9,000	9,000			
9K+12K		8,500	10,500			
12K+12K		9,500	9,500			
38KUS027DS3 (27K 1 drive 3)		IDU 1	IDU 2	IDU 3	IDU 4	IDU 5
9K+9K	2 --- IDU	9,500	9,500			
9K+12K		9,500	12,000			
9K+18K		8,400	16,600			
12K+12K		12,000	12,000			
12K+18K		10,000	15,000			
9+9+9	3 --- IDU	9,000	9,000	9,000		
9+9+12		8,500	8,500	11,000		
9+9+18		8,000	8,000	12,000		
9+12+12		8,000	10,000	10,000		
12+12+12		9,500	9,500	9,500		
38KUS036DS4 (36K 1 drive 4)		IDU 1	IDU 2	IDU 3	IDU 4	IDU 5
9+9	2 --- IDU	9,500	9,500			
9+12		9,500	12,000			
9+18		9,500	17,500			
12+12		12,000	12,000			
12+18		12,000	18,000			
18+18		16,500	16,500			
9+24		8,500	22,500			
12+24		10,500	21,000			
9+9+9	3 --- IDU	9,333	9,333	9,333		
9+9+12		9,000	9,000	12,000		
9+9+18		8,000	8,000	16,000		
9+9+24		8,000	8,000	21,000		
9+12+12		8,500	11,500	11,500		
9+12+18		8,000	11,000	15,000		
9+12+24		8,000	10,000	20,000		
9+18+18		8,000	14,000	14,000		
12+12+12		11,333	11,333	11,333		
12+12+18		11,000	11,000	14,000		
9+9+9+9	4 --- IDU	9,000	9,000	9,000	9,000	
9+9+9+12		8,500	8,500	8,500	11,500	
9+9+9+18		8,000	8,000	8,000	14,000	
9+9+12+12		8,000	8,000	10,500	10,500	
9+9+12+18		7,500	7,500	9,000	14,000	
9+12+12+12		7,000	10,000	10,000	10,000	
9+12+12+18		7,000	10,000	10,000	12,500	
12+12+12+12		9,500	9,500	9,500	9,500	
12+12+12+18		9,500	9,500	9,500	12,000	

OUTDOOR UNIT MODEL		COOLING CAPACITY (Btu/h)				
38KUS042DS5 (42K drive 5)		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
9+9	2 --- IDU	9,500	9,500			
9+12		9,500	12,000			
9+18		9,500	18,500			
9+24		9,000	23,000			
12+12		12,000	12,000			
12+18		12,000	18,000			
12+24		12,000	23,000			
18+18		18,500	18,500			
18+24		17,500	22,500			
9+9+9		9,500	9,500	9,500		
9+9+12	9,500	9,500	12,000			
9+9+18	9,500	9,500	18,000			
9+9+24	9,000	9,000	22,500			
9+12+12	9,500	12,500	12,500			
9+12+18	9,000	12,000	18,000			
9+12+24	9,000	12,000	21,500			
9+18+18	8,000	16,000	16,000			
12+12+12	12,000	12,000	12,000			
12+12+18	12,000	12,000	17,000			
12+12+24	11,000	11,000	21,000			
12+18+18	11,000	16,000	16,000			
9+9+9+9	9,250	9,250	9,250	9,250		
9+9+9+12	9,000	9,000	9,000	12,000		
9+9+9+18	8,500	8,500	8,500	16,000		
9+9+9+24	8,000	8,000	8,000	18,000		
9+9+12+12	9,000	9,000	12,000	12,000		
9+9+12+18	8,000	8,000	11,000	16,000		
9+9+12+24	7,500	7,500	10,000	18,000		
9+12+12+12	8,000	11,000	11,000	11,000		
9+12+12+18	7,500	10,000	10,000	14,000		
12+12+12+12	10,000	10,000	10,000	10,000		
12+12+12+18	9,500	9,500	9,500	14,000		
9+9+9+9+9	8,500	8,500	8,500	8,500	8,500	
9+9+9+9+12	8,000	8,000	8,000	8,000	11,000	
9+9+9+9+18	7,500	7,500	7,500	7,500	13,000	
9+9+9+12+12	7,500	7,500	7,500	10,000	10,000	
9+9+9+12+18	7,000	7,000	7,000	10,000	12,000	
9+9+12+12+12	7,000	7,000	9,500	9,500	9,500	
9+12+12+12+12	7,000	9,000	9,000	9,000	9,000	
9+12+12+12+18	6,500	8,000	8,000	8,000	12,000	
12+12+12+12+12	8,500	8,500	8,500	8,500	8,500	

*IDU - Indoor Unit



A Century of Innovation.

Built on Willis Carrier's invention of modern air conditioning in 1902, Carrier is the world leader in heating, air-conditioning and refrigeration solutions. We constantly build upon our history of proven innovation with new products and services that improve global comfort and efficiency. Carrier Ductless Systems deliver efficiency, performance and control thanks to advanced technology. When it comes to creating comfort, one size or system may not fit all, but one name does: **Carrier**.

www.carriercca.com