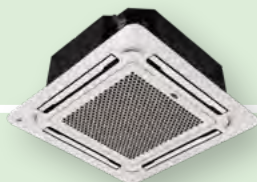




Turn to the experts

Multi Split System



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Turn to the experts

Carrier Multi Split System

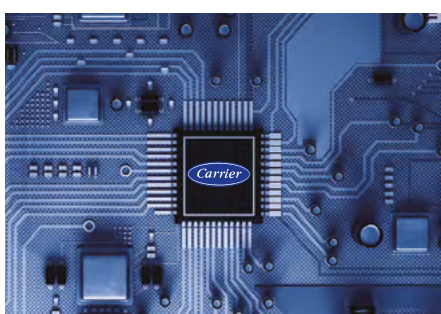
Carrier Multi Split System offers the ideal solution when a comfortable air conditioning solution is required for more than one rooms. You can provide air conditioning for more than one room at the same time by connecting 2, 3, 4 or 5 indoor units to one outdoor unit.

Higher Efficiency Under Partial Load

Inverter compressor provides higher efficiency under partial load. In cases where no air conditioning is required in all rooms, the outdoor unit operates under partial load, reducing the energy consumption.

ENERGY SAVING*

up to %30



Inverter Technology

With the improved control program, the indoor units can offer outstanding performance for temperature setting and energy efficiency. Inverter compressor and DC fan motors allow for a high-efficiency heat transfer by determining the optimum capacity based on the airflow, refrigerant flow and information from the sensor after the information is processed via a software.



Customized Comfort Control

Each indoor unit can be used with individual comfort settings via individual remote controllers.

Application Flexibility

Long pipe design for a wide variety of installation places.

Silent Operation

Ideal for areas where users spend too much time and need low noise level.



Compact Outdoor Unit Design

Carrier Multi Split System allows for operating a single outdoor unit with more than one indoor units, increasing the total capacity by at least 50%. Thus, the footprint of outdoor unit is also significantly reduced by 66%.

%66

LESS SPACE

Universal Outdoor Unit Design

Outdoor units are universal for most indoor units. Thanks to the modular and standard design of Carrier, outdoor unit takes up less space and reduces maintenance costs.



Check Point



Press this button to control the available operation parameters while the unit is operating in order to make fault detection easier.

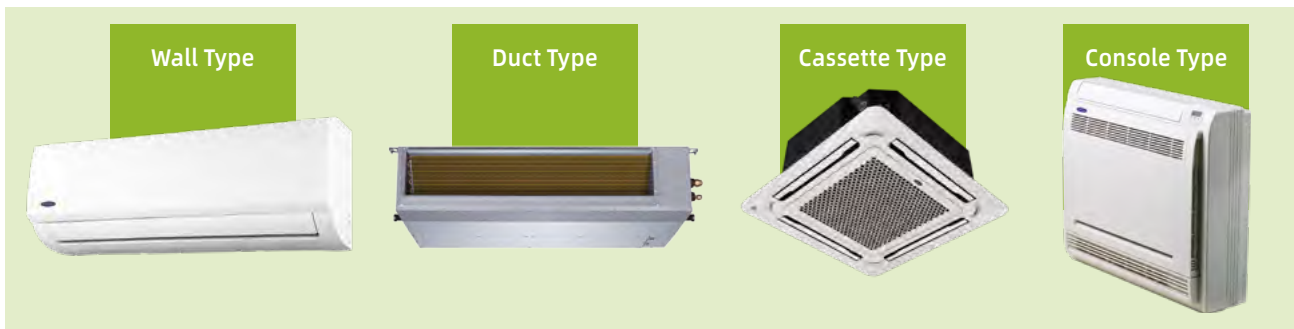
Status and Error Indicator



It eliminates the necessity of checking all over the device to understand the root of problem, allowing for understanding the fault in a short time.

Free Match of IDUs

There is a wide range of indoor units that can easily fit in different rooms in your home.



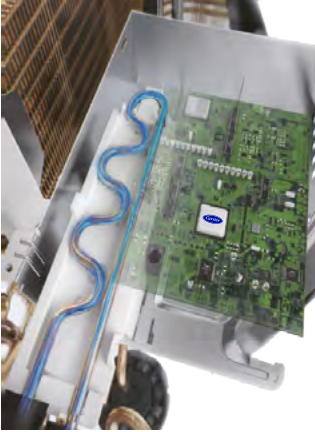
Multi Split **Very Flexible**

With a maximum pipe length of 80 m and a maximum height difference of 15 m, Carrier allows you to select the most ideal installation place for outdoor unit. Very flexible, very quiet.

Outdoor Units	Maximum Length	
	Length	Height Difference
1 Outdoor Unit 2 Indoor Units	40 m	15 m
1 Outdoor Unit 3 Indoor Units	60 m	15 m
1 Outdoor Unit 4 Indoor Units	80 m	15 m
1 Outdoor Unit 5 Indoor Units	80 m	15 m

50°C High Temperature Cooling

Inverter compressor operates continuously even at temperature of up to 50 °C to provide continuous cooling. The unit has also 80% output capacity at an ambient temperature of up to 50 °C. The newly designed heat distribution system has a better performance thanks to the high-quality components inside it. (This data is applicable at certain weather conditions)



E-box Refrigerant Cooling

The extended refrigerant pipe is exclusively designed for cooling of electronic card. Thus, electronic parts of the device can resist even at extreme high temperature conditions.

The pipe is bent to maximize the heat exchange area between refrigerant and PCB.

Thus, the heat distribution efficiency increases 5 times.

Durability

Durable Compressor

(Number 1 in its Segment)

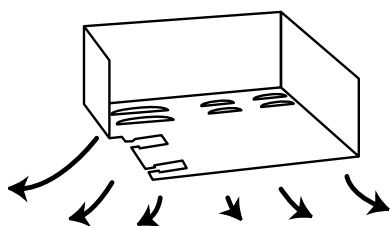
It contributes to durable operation of the device. One third of compressors used all around the world is provided by GMCC due to its stable quality and excellent performance.



Golden Fin

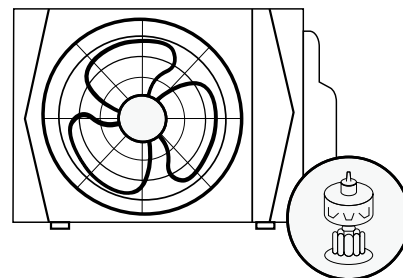
Outdoor Unit

The hydrophilic golden coating on the aluminum fin of heat exchangers can withstand to salty air, rain and other corrosive elements. It can also effectively increase the system efficiency.



4 Heat Distribution Grids

The number of heat distribution grids is increased to 4 and thus the outdoor unit temperature is reduced faster than previous models.



Dust Cleaning

DC motor can rotate in the opposite direction to remove accumulated sand and dust, allowing for outdoor unit to run smoothly.

30% Faster Cooling



±1 °C Temperature Adjustment



Lower Noise



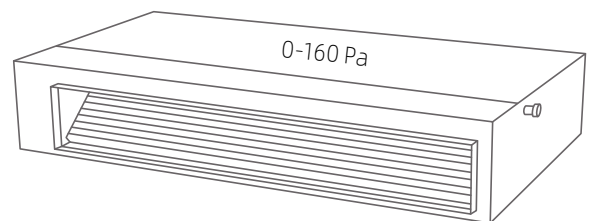
OUTDOOR UNITS		38QU018D85J	38QU027D85J	38QU036D85J	38QU042D85J
Power Input	V-Hz-Ph	220-240V~, 50Hz, 1Ph	220-240V~, 50Hz, 1Ph	220-240V~, 50Hz, 1Ph	220-240V~, 50Hz, 1Ph
Cooling Capacity	kW	5.28 (1.13~5.57)	7.90 (2.96~8.50)	10.55 (3.64~10.84)	12.30 (3.02~12.30)
	Btu	18015 (3856~19005)	26955 (10099~29002)	35997 (12420~36986)	41967 (10304~41967)
Heating Capacity	kW	5.57 (1.79~5.86)	8.20 (1.90~8.50)	10.84 (2.85~12.02)	12.30 (3.46~12.30)
	Btu	19005 (6108~19994)	27978 (6483~29002)	36986 (9724~41012)	41967 (11805~41967)
SEER/ SCOP (average)	W/W	6.1/3.8	6.1/4.0	6.2/3.8	6.1 / 3.5
Energy Class		A++/A	A++/A+	A++/A	A++/A
Annual Energy Consumption	kWh	303/1768	453/1960	595/3316	706/3800
EER/ COP	W/W	3.24/4.01	3.23/3.91	3.20/3.93	3.23/3.73
Operating Current (cooling)	A	7.1	13.7	15.0	16.0
Power Input (cooling)	W	1630	2450	3300	3810
Operating Current (heating)	A	6.1	12.5	12.1	15.0
Power Input (heating)	W	1390	2100	2760	3300
Air Flow Rate	m³/h	2200	2700.0	4000.0	3850.0
Sound Pressure	dB(A)	56	60.0	64.0	63.0
Sound Power	dB(A)	65	68.0	72.0	72.0
Dimensions (WxLxH)	mm	800×333×554	845×363×702	946×410×810	946×410×810
Weight	kg	35.5	51.0	69.0	74.1
GWP		675	675.0	675.0	675
Refrigerant	kg	1.25	1.7	2.1	2.9
Design Pressure	Mpa	4.3 / 1.7	4.3 / 1.7	4.3 / 1.7	4.3 / 1.7
Copper Pipes (Liquid Line / Gas Line)	mm (inch)	2 × [Ø6.35 / Ø9.52 (1/4"/ 3/8")]	3 × [Ø6.35 / Ø9.52 (1/4"/ 3/8")]	3 × [Ø6.35 / Ø9.52 (1/4"/ 3/8")] + 1 × [Ø6.35/ Ø12.7 (1/4"/ 1/2")]	4 × [Ø6.35 / Ø9.52 (1/4"/ 3/8")] + 1 × [Ø6.35/ Ø12.7 (1/4"/ 1/2")]
Maximum piping without additional refrigerant	m	7.5*2	7.5*3	7.5*4	7.5*5
Additional refrigerant amount	g/m	12	12	12	12
Maximum total length	m	40	60	80	80
Maximum single indoor unit length	m	25	30	35	35
Maximum height between Indoor unit and Outdoor unit	m	15	15	15	15
Maximum height between Indoor units	m	10	10	10	10
Operating Temperature for Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
Operating Temperature for Heating	°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24



Duct Type

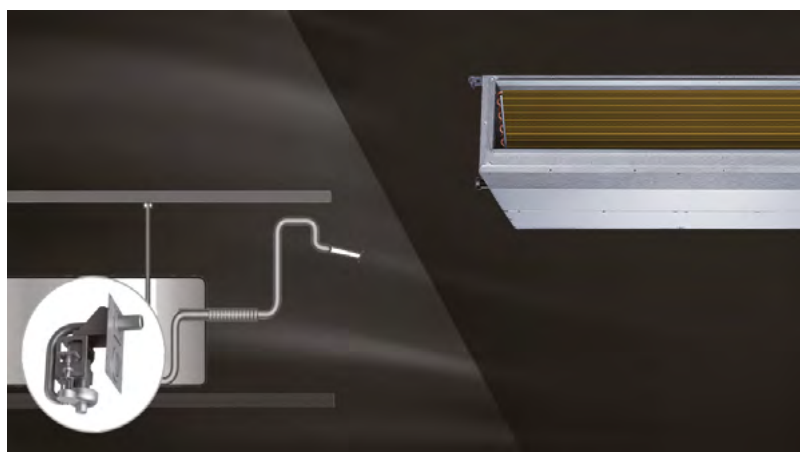
Wide Static Pressure Range

Duct type unit has a static pressure range of 0-160 Pa. This meets many application demands. The long duct system has still sufficient airflow volume.



Slim Design

Being almost 20% lighter and taking up 12.5% less space compared to conventional type unit, duct type unit is installed with less labor in much less time and also provides you with a larger maintenance area.



Drainage Pump

(Optional)

The drainage pump can pump condensation water up to 750 mm, which is an appropriate height for the installation of discharge pipes in most instances.

Easy Maintenance



Bottom Maintenance

Maintenance operations can be performed by opening the unit from bottom. Thus, it is easier to reach the engine and other indoor unit parts.

Removable Filter

Filter can be easily removed from left, right or bottom for cleaning purposes.

(*Only for 0-160 Pa Duct)

MODEL		42QSS007D8SJ	42QSS009D8SJ	42QSS012D8SJ	42QSS018D8SJ	42QSS024D8SJ
Power Input	V-ph-Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz
Cooling Capacity	kW	2.05	2.64	3.52	5.28	7.04
	Btu	6995	9008	12010	18015	24020
Heating Capacity	kW	2.05	2.64	3.52	5.28	7.04
	Btu	6995	9008	12010	18015	24020
Sound Power	dB(A)	60	60	58	58	62
Sound Pressure	dB(A)	42/36/30	42/36/30	34.5/32.0/30.0	42.0/39.0/35.0	49.0/46.0/41.0
Air Flow Rate	m ³ /h	580/480/300	580/480/300	600/480/300	910/710/515	1230/1035/825
External Static Pressure	Pa	0~30	0~30	0~60	0~100	0~160
Weight	kg	18.0 / 22.0	18.0 / 22.0	17.8 / 21.5	24.4 / 29.6	32.3 / 39.1
Dimensions (WxLxH)	mm	700x450x200	700x450x200	700x506x200	880x674x210	1100x774x249
Copper Pipes (Liquid Line / Gas Line)	mm (inch)	Ø6.35 / Ø9.52 (1/4"/3/8")	Ø6.35 / Ø9.52 (1/4"/3/8")	Ø6.35 / Ø9.52 (1/4"/3/8")	Ø6.35 / Ø12.7 (1/4" / 1/2")	Ø9.52 / Ø15.9 (3/8" / 5/8")

4-Way Cassette Type



Compact Cassette Type



Super Slim Cassette Type



7-9-12-18K products are available as compact cassette type, while 24K product is available only as slim cassette type.



Louver Position Memory

The louver returns back to its previous position when you restart the AC, allowing you to enjoy your preferred cooling settings every time you turn on the unit.



Flexible Installation

Internal Drainage Pump

The discharge pump can pump condensation water up to 750 mm, which is an appropriate height for the installation of discharge pipes in most instances. It is suitable for grid type ceilings, allows for high installation flexibility and can be mounted behind lighting and ventilation holes.



Compact and Stylish Design

Equipped with fire-resistant metal plate, the unit instantly stops the fire. Thanks to its compact and linear elegant design, it is perfect for grid type ceilings. The small and compact device body requires a smaller installation area.

Convenient Control Options

Weekly Timer Control

Thanks to the remote controller with KJR-120C weekly timer, the unit can be turned on and off several times in a day.

Twin System with Synchronization Control

Twin system connects 2 indoor unit of the same type and capacity with 1 outdoor unit to ensure greater air distribution in a large room. The control unit can control both indoor units at the same time.

Fresh Air

Outdoor air can be taken into the room via a connection pipe, allowing for keeping the room air always clean and healthy.

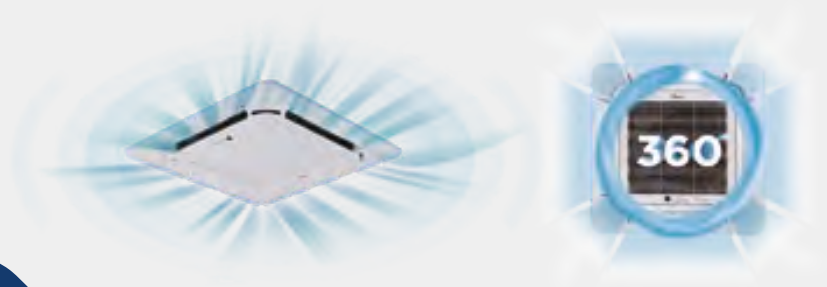


Internal remote controller

Super Slim Cassette Type

Circular Airflow

Cassette delivers airflow circularly to reach the whole area and provides equal freshness to every point of the room. Thanks to 4 new air outlets in the corners of the panel, there will be no blind spot in the cooled area. It is useful in large areas with a lot of people.



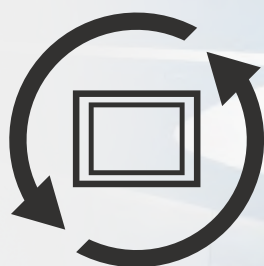
360° CoolSurround

DC fan motor that can be seen in the design of unique and excellent airflow louver allows for fresh air to lower by spreading at an angle of 360° and thus freshness is equally felt throughout the cooled area.



60° Louver Openen Angle

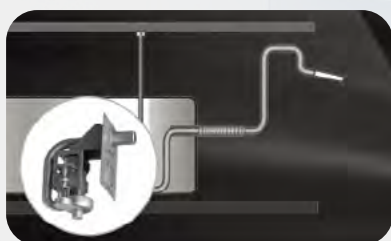
The louvers can be opened up to 60°. This allows for the cassette to cool down a larger area and can adjust the wind direction with great flexibility to provide the user with maximum comfort.



Independent Louver Control

(*Optional)

Four louvers located at different directions can be adjusted individually to provide air output at desired angle. Thanks to the variable angles, the area directly covered by the cooled air and the direction of the airflow felt by people can be changed. This function is very useful for some places such as restaurants, cafeterias, cafés, etc.



Built-in Drainage Pump

The drainage pump can pump condensation water up to 750 mm, which is an appropriate height for the installation of discharge pipes in most instances.

MODEL		42QTD007D8SJ	42QTD009D8SJ	42QTD012D8SJ	42QTD018D8SJ	42QTD024D8SJ*
Power Input	V-ph-Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz
Cooling Capacity	kW	2.05	2.64	3.52	5.28	7.04
	Btu	6995	9008	12010	18015	24020
Heating Capacity	kW	2.05	2.64	3.52	5.28	7.04
	Btu	6994.60	9007.68	12010.24	18015.36	24020.48
Sound Power	dB(A)	58	58	57	58	59
Sound Pressure	dB(A)	42 / 39 / 36	42 / 39 / 36	42 / 37.5 / 34.5	45.4 / 44.0 / 39.0	50.0 / 47.5 / 42.0
Air Flow Rate	m ³ /h	560 / 430 / 390	560 / 430 / 390	570 / 485 / 390	680 / 585 / 480	1250 / 1120 / 995
Weight	kg	15.0 / 18.0	15.0 / 18.0	16.3 / 20.4	16.0 / 20.6	21.6 / 25.4
Dimensions (WxLxH)	mm	570 x 570 x 260	570 x 570 x 260	570 x 570 x 260	570 x 570 x 260	830 x 830 x 205
Copper Pipes (Liquid Line / Gas Line)	mm (inch)	Ø6.35 / Ø9.52 (1/4"/3/8")	Ø6.35 / Ø9.52 (1/4"/3/8")	Ø6.35 / Ø9.52 (1/4"/3/8")	Ø6.35 / Ø12.7 (1/4"/1/2")	Ø9.52 / Ø15.9 (3/8" / 5/8")

*24K unit is only available as Slim Cassette.



Console Type



High Heating Performance

The downstream air outlet design significantly increases the heating performance, allowing for hot air to disperse across the floor while the unit is running in heating mode.



Quiet Design

Carrier's unique, centrifugal large fan blades eliminate unnecessary noise and provide a quieter operation.



Console Type



2 Optional Air Outlet Ways

There may be two different airflow directions: both down and up or only up.



4 Directions Air Inlet

When the air is taken into the unit from 4 directions, air circulation is provided in the room and a more comfortable temperature is reached.



MODEL		42QZA012D8SJ	42QZA018D8SJ
Power Input	V-ph-Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz
Cooling Capacity	kW	3.52	5.28
	Btu	12010	18015
Heating Capacity	kW	3.52	5.28
	Btu	12010	18015
Sound Power	dB(A)	58	60
Sound Pressure	dB(A)	41.5 / 38.0 / 33.5 / 23.0	45.0 / 39.0 / 36.0
Air Flow Rate	m ³ /h	550 / 465 / 385	560 / 480 / 400
Weight	kg	14.6 / 18.1	14.7 / 18.2
Dimensions (WxLxH)	mm	700 × 210 × 600	700 × 600 × 210
Copper Pipes (Liquid Line / Gas Line)	mm (inch)	Ø6.35 / Ø9.52 (1/4"/3/8")	Ø6.35 / Ø12.7 (1/4"/1/2")

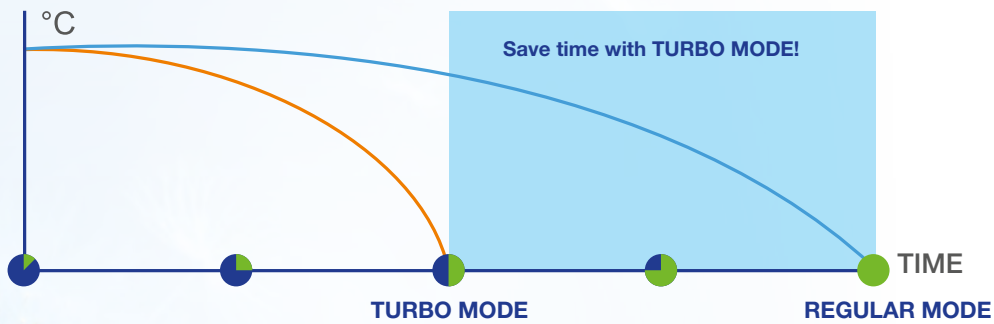
Wall Type

Curved design, concealed display, simple, elegant and perfect.



TURBO MODE

With "Turbo Mode" function, your air conditioner increases its operating speed to quickly reach the indoor temperature and reaches the maximum power level. Thus, the indoor environment is quickly conditioned as desired and the comfort level is increased.



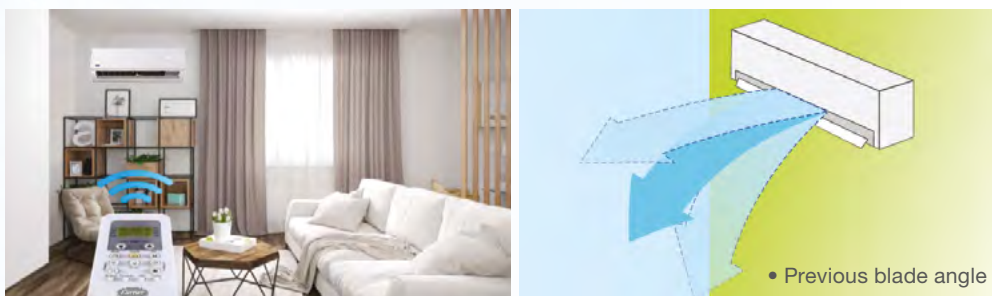
FOLLOW ME

For more precise control with "Follow me" function, instead of the sensor in the indoor unit return air, the sensor on the remote controller is used to detect the room temperature.



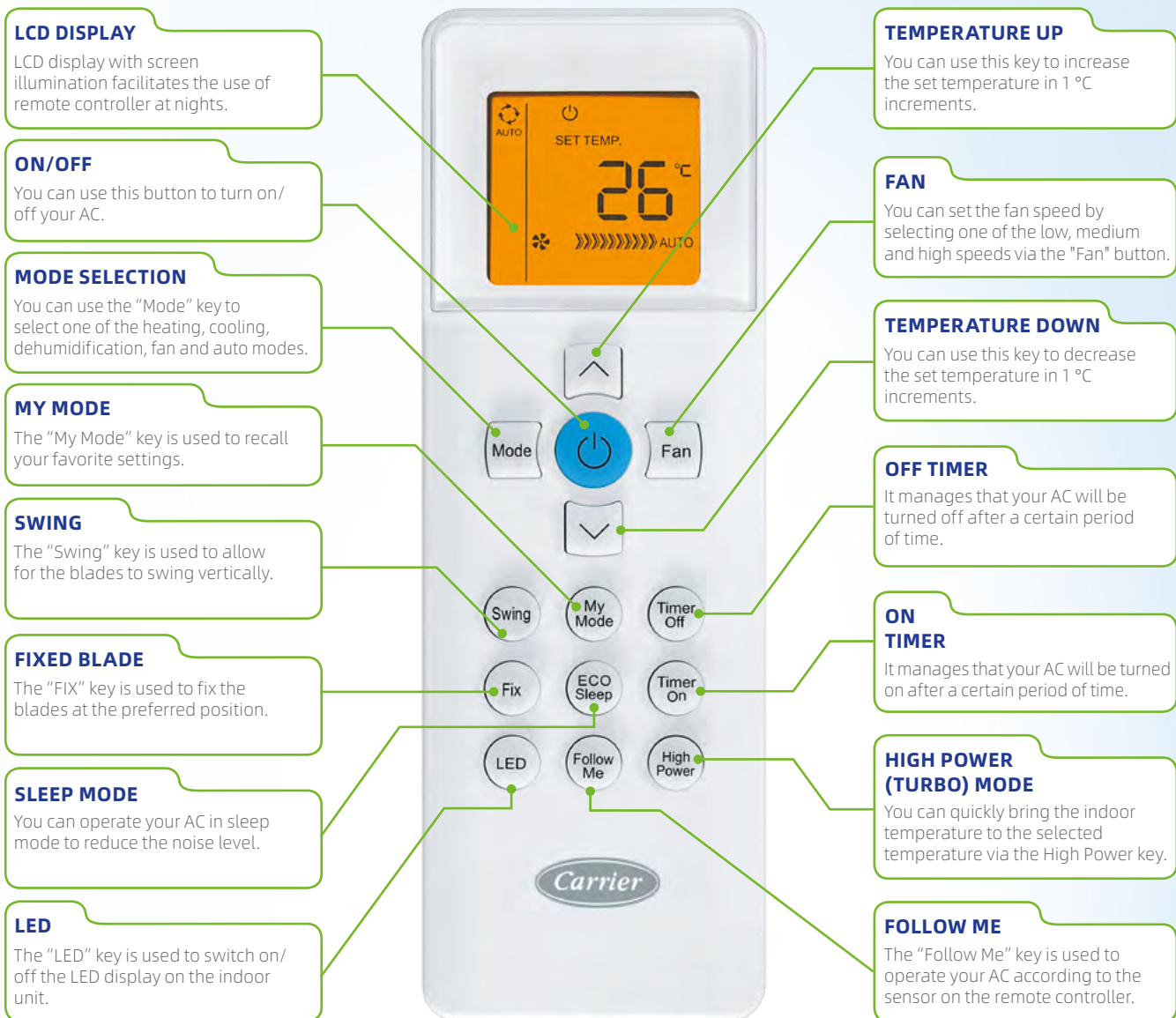
MY MODE

With "My Mode" function, your air conditioner stores your preferences and recalls them during the next operation. Thus, you enjoy the comfort without readjusting your settings.



When you turn on your AC, the blades will recall their previous positions and run in the same way.





ON / OFF CONTROL
If the remote controller is lost or broken, the AC can be turned on/off via the auxiliary key in the device. This key is made easily accessible in the new version, compared to the old version.



NOTE: The button designs may have minor differences.

MODEL		42QHA007D8SJ	42QHA009D8SJ	42QHA012D8SJ	42QHA018D8SJ	42QHA024D8SJ
Power Input	V-ph-Hz	220-240V~, 50Hz, 1Ph	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz
Cooling Capacity	kW	2.05	2.64	3.52	5.28	7.04
	Btu	6995	9008	12010	18015	24020
Heating Capacity	kW	2.05	2.64	3.52	5.28	7.04
	Btu	6995	9008	12010	18015	24020
Sound Power	dB(A)	55	55	55	57	60
Sound Pressure	dB(A)	39 / 32 / 25 / 20	39 / 32 / 25 / 20	41 / 35 / 25 / 21	42.5 / 36 / 26 / 20	45 / 40.5 / 36 / 27.5
Air Flow Rate	m ³ /h	466/360/325/230	466/360/325/230	540/430/314/250	840/680/540/360	980/820/660/420
Weight	kg	7.6 / 9.7	7.6 / 9.7	7.6 / 9.8	10.0 / 13.0	12.3 / 15.8
Dimensions (WxLxH)	mm	805 × 194 × 285	805 × 194 × 285	805 × 194 × 285	957 × 213 × 302	1040 × 220 × 327
Copper Pipes (Liquid Line / Gas Line)	mm (inch)	Ø6.35 / Ø9.52 (1/4"/3/8")	Ø6.35 / Ø9.52 (1/4"/3/8")	Ø6.35 / Ø9.52 (1/4"/3/8")	Ø6.35 / Ø12.7 (1/4"/1/2")	Ø9.52 / Ø15.9 (3/8"/5/8")



System Combination Capacity Table

18K		
SINGLE UNIT	TWO UNITS	
7	7+7	9+9
9	7+9	9+12
12	7+12	9+18
18	NA	NA

27K						
SINGLE UNIT	TWO UNITS			THREE UNITS		
7	7+7	9+9	12+18	7+7+7	7+9+9	9+9+9
9	7+9	9+12	NA	7+7+9	7+9+12	9+9+12
12	7+12	9+18	NA	7+7+12	7+12+12	9+12+12
18	7+18	12+12	NA	7+7+18	NA	NA

36K												
SINGLE UNIT	TWO UNITS			THREE UNITS					FOUR UNITS			
7	7+7	9+9	12+18	7+7+7	7+9+9	7+12+18	9+9+18	9+18+18	7+7+7+7	7+7+9+12	7+9+9+18	9+9+9+18
9	7+9	9+12	12+24	7+7+9	7+9+12	7+12+24	9+9+24	12+12+12	7+7+7+9	7+7+9+18	7+9+12+12	9+9+12+12
12	7+12	9+18	18+18	7+7+12	7+9+18	7+18+18	9+12+12	12+12+18	7+7+7+12	7+7+12+12	7+12+12+12	9+12+12+12
18	7+18	9+24	NA	7+7+18	7+9+24	9+9+9	9+12+18	NA	7+7+7+18	7+9+9+9	9+9+9+9	NA
24	7+24	12+12	NA	7+7+24	7+12+12	9+9+12	9+12+24	NA	7+7+9+9	7+9+9+12	9+9+9+12	NA

42K									
SINGLE UNIT	TWO UNITS			THREE UNITS					
7	7+7	9+9	12+18	7+7+7	7+9+9	7+12+18	9+9+18	9+18+18	
9	7+9	9+12	12+24	7+7+9	7+9+12	7+12+24	9+9+24	12+12+12	
12	7+12	9+18	18+18	7+7+12	7+9+18	7+18+18	9+12+12	12+12+18	
18	7+18	9+24	NA	7+7+18	7+9+24	9+9+9	9+12+18	12+12+24	
24	7+24	12+12	NA	7+7+24	7+12+12	9+9+12	9+12+24	12+18+18	
FOUR UNITS									
	7+7+7+7	7+7+9+9	7+7+12+18	7+9+9+18	7+9+18+18	9+9+9+18	9+12+12+12		
	7+7+7+9	7+7+9+12	7+7+12+24	7+9+9+24	7+12+12+12	9+9+9+24	9+12+12+18		
	7+7+7+12	7+7+9+18	7+7+18+18	7+9+12+12	7+12+12+18	9+9+12+12	12+12+12+12		
	7+7+7+18	7+7+9+24	7+9+9+9	7+9+12+18	9+9+9+9	9+9+12+18	12+12+12+18		
	7+7+7+24	7+7+12+12	7+9+9+12	7+9+12+24	9+9+9+12	9+9+12+24	NA		
FIVE UNITS									
	7+7+7+7+7	7+7+7+9+12	7+7+12+12+12	7+9+9+12+12	9+9+9+12+12				
	7+7+7+7+9	7+7+7+9+18	7+7+12+12+18	7+9+12+12+12	9+9+12+12+12				
	7+7+7+7+12	7+7+9+9+9	7+9+9+9+9	9+9+9+9+9					NA
	7+7+7+7+18	7+7+9+9+12	7+9+9+9+12	9+9+9+9+12					NA
	7+7+7+9+9	7+7+9+9+18	7+9+9+9+18	9+9+9+9+18					NA



Turn to the experts

Combination Tables



2M - 18.000 Btu Outdoor Unit

COOLING MODE

Combination	Indoor Units	Combinations (x1000 Btu/s)		Indoor Unit Capacity (kW) (Nom. Cooling)		Total Cooling Capacity (kW)			Total Power Input (kW)			EER (W/W)
		Unit A	Unit B	Unit A	Unit B	Min.	Ave.	Max.	Min.	Ave.	Max.	
1:1	7	7	–	2.00	–	1.40	2.00	2.90	0.35	0.62	0.77	3.24
	9	9	–	2.50	–	1.40	2.50	3.20	0.35	0.77	0.96	3.24
	12	12	–	3.50	–	1.40	3.50	3.90	0.35	1.07	1.29	3.26
	18	18	–	5.00	–	1.61	5.00	5.41	0.45	1.55	2.01	3.23
1:2	7+7	7	7	2.10	2.10	2.08	4.20	5.51	0.53	1.05	2.17	4.00
	7+9	7	9	2.06	2.64	2.08	4.70	5.72	0.53	1.24	2.17	3.80
	7+12	7	12	1.95	3.35	2.08	5.30	6.29	0.53	1.64	2.17	3.23
	9+9	9	9	2.60	2.60	2.08	5.20	6.29	0.53	1.61	2.17	3.23
	9+12	9	12	2.31	3.09	2.08	5.40	6.29	0.53	1.67	2.17	3.23
	9+18	9	18	1.78	3.57	5.30	5.35	6.47	0.54	1.65	2.04	3.25

HEATING MODE

Combination	Indoor Units	Combinations (x1000 Btu/s)		Indoor Unit Capacity (kW) (Nom. Heating)		Total Heating Capacity (kW)			Total Power Input (kW)			COP (W/W)
		Unit A	Unit B	Unit A	Unit B	Min.	Ave.	Max.	Min.	Ave.	Max.	
1:1	7	7	–	2.50	–	1.54	2.50	3.03	0.32	0.67	0.84	3.73
	9	9	–	3.00	–	1.54	3.00	3.63	0.32	0.80	1.01	3.73
	12	12	–	3.80	–	1.54	3.80	4.60	0.32	1.01	1.22	3.75
	18	18	–	5.30	–	1.71	5.30	5.72	0.42	1.43	1.72	3.71
1:2	7+7	7	7	2.50	2.50	2.20	5.00	5.94	0.47	1.22	1.86	4.10
	7+9	7	9	2.32	2.98	2.20	5.30	6.05	0.47	1.29	1.86	4.10
	7+12	7	12	2.03	3.47	2.20	5.50	6.66	0.47	1.43	1.86	3.85
	9+9	9	9	2.75	2.75	2.20	5.50	6.66	0.47	1.38	1.86	4.00
	9+12	9	12	2.40	3.20	2.20	5.60	6.66	0.47	1.45	1.86	3.85
	9+18	9	18	1.93	3.87	2.23	5.80	6.72	0.51	1.56	1.88	3.71



3M - 27.000 Btu Outdoor Unit

COOLING MODE

Combination	Indoor Units	Combinations (x1000 Btu/s)			Indoor Unit Capacity (kW) (Nom. Cooling)			Total Cooling Capacity (kW)			Total Power Input (kW)			EER (W/W)
		Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Ave.	Max.	Min.	Ave.	Max.	
1:1	7	7	-	-	2.00	-	-	1.58	2.00	2.90	0.40	0.62	0.78	3.21
	9	9	-	-	2.50	-	-	1.58	2.50	3.20	0.40	0.78	0.97	3.21
	12	12	-	-	3.50	-	-	1.58	3.50	3.90	0.40	1.09	1.31	3.21
	18	18	-	-	5.00	-	-	1.78	5.00	6.50	0.50	1.55	1.79	3.22
1:2	7+7	7	7	-	2.10	2.10	-	2.21	4.20	6.32	0.64	1.30	2.08	3.23
	7+9	7	9	-	2.06	2.64	-	2.21	4.70	6.72	0.64	1.46	2.20	3.23
	7+12	7	12	-	1.95	3.35	-	2.21	5.30	7.11	0.64	1.64	2.45	3.23
	7+18	7	18	-	1.82	4.68	-	2.21	6.50	7.90	0.64	2.01	2.69	3.23
	9+9	9	9	-	2.65	2.65	-	2.21	5.30	7.11	0.64	1.64	2.45	3.23
	9+12	9	12	-	2.57	3.43	-	2.21	6.00	7.51	0.64	1.86	2.57	3.23
	9+18	9	18	-	2.27	4.53	-	2.21	6.80	7.90	0.64	2.11	2.69	3.23
	12+12	12	12	-	3.15	3.15	-	2.21	6.30	7.66	0.64	1.95	2.64	3.23
12+18	12	18	-	2.72	4.08	-	2.21	6.80	7.90	0.64	2.11	2.69	3.23	
1:3	7+7+7	7	7	7	2.43	2.43	2.43	2.77	7.30	8.69	0.76	2.26	2.91	3.23
	7+7+9	7	7	9	2.25	2.25	2.90	2.77	7.40	8.69	0.76	2.29	2.91	3.23
	7+7+12	7	7	12	2.13	2.13	3.65	2.77	7.90	8.69	0.76	2.45	2.91	3.23
	7+7+18	7	7	18	1.73	1.73	4.44	2.77	7.90	8.69	0.76	2.45	2.91	3.23
	7+9+9	7	9	9	2.13	2.74	2.74	2.77	7.60	8.69	0.76	2.35	2.91	3.23
	7+9+12	7	9	12	1.98	2.54	3.39	2.77	7.90	8.69	0.76	2.45	2.91	3.23
	7+9+18	7	9	18	1.63	2.09	4.18	2.77	7.90	8.69	0.76	2.45	2.91	3.23
	7+12+12	7	12	12	1.78	3.06	3.06	2.77	7.90	8.69	0.76	2.45	2.91	3.23
	9+9+9	9	9	9	2.63	2.63	2.63	2.77	7.90	8.69	0.76	2.45	2.91	3.23
	9+9+12	9	9	12	2.37	2.37	3.16	2.77	7.90	8.69	0.76	2.45	2.91	3.23
9+12+12	9	12	12	2.15	2.87	2.87	2.77	7.90	8.69	0.76	2.45	2.91	3.23	

3M - 27.000 Btu Outdoor Unit



Turn to the experts

HEATING MODE

Combination	Indoor Units	Combinations (x1000 Btu/s)			Indoor Unit Capacity (kW) (Nom. Cooling)			Total Heating Capacity (kW)			Total Power Input (kW)			COP (W/W)
		Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Ave.	Max.	Min.	Ave.	Max.	
1:1	7	7	-	-	2.50	-	-	1.58	2.50	2.90	0.40	0.69	0.87	3.61
	9	9	-	-	3.00	-	-	1.58	3.00	3.20	0.40	0.83	1.04	3.61
	12	12	-	-	3.80	-	-	1.58	3.80	3.90	0.40	1.05	1.26	3.61
	18	18	-	-	5.60	-	-	1.82	5.60	6.95	0.50	1.55	1.78	3.61
1:2	7+7	7	7	-	2.50	2.50	-	2.21	5.00	6.32	0.55	1.38	1.81	3.62
	7+9	7	9	-	2.45	3.15	-	2.21	5.60	6.72	0.55	1.54	1.91	3.63
	7+12	7	12	-	2.21	3.79	-	2.21	6.00	7.11	0.55	1.61	2.12	3.72
	7+18	7	18	-	1.96	5.04	-	2.21	7.00	7.90	0.55	1.88	2.34	3.73
	9+9	9	9	-	3.00	3.00	-	2.21	6.00	7.11	0.55	1.61	2.12	3.72
	9+12	9	12	-	2.70	3.60	-	2.21	6.30	7.51	0.55	1.69	2.23	3.73
	9+18	9	18	-	2.33	4.67	-	2.21	7.00	7.90	0.55	1.88	2.34	3.72
	12+12	12	12	-	3.25	3.25	-	2.21	6.50	7.66	0.55	1.74	2.29	3.73
12+18	12	18	-	2.80	4.20	-	2.21	7.00	7.90	0.55	1.88	2.34	3.72	
1:3	7+7+7	7	7	7	2.27	2.27	2.27	2.77	6.80	8.69	0.66	1.82	2.53	3.73
	7+7+9	7	7	9	2.13	2.13	2.74	2.77	7.00	8.69	0.66	1.88	2.53	3.72
	7+7+12	7	7	12	2.05	2.05	3.52	2.77	7.62	8.69	0.66	2.04	2.53	3.73
	7+7+18	7	7	18	1.75	1.75	4.50	2.77	8.00	8.69	0.66	2.15	2.53	3.72
	7+9+9	7	9	9	2.13	2.74	2.74	2.77	7.62	8.69	0.66	2.04	2.53	3.73
	7+9+12	7	9	12	1.98	2.54	3.39	2.77	7.90	8.69	0.66	2.12	2.53	3.72
	7+9+18	7	9	18	1.65	2.12	4.24	2.77	8.00	8.69	0.66	2.15	2.53	3.72
	7+12+12	7	12	12	1.81	3.10	3.10	2.77	8.00	8.69	0.66	2.15	2.53	3.72
	9+9+9	9	9	9	2.63	2.63	2.63	2.77	7.90	8.69	0.66	2.12	2.53	3.72
	9+9+12	9	9	12	2.40	2.40	3.20	2.77	8.00	8.69	0.66	2.15	2.53	3.72
9+12+12	9	12	12	2.18	2.91	2.91	2.77	8.00	8.69	0.66	2.15	2.53	3.72	



4M - 36.000 Btu Outdoor Unit

COOLING MODE

Combination	Indoor Units	Combinations (x1000 Btu/s)				Indoor Unit Capacity (kW) (Nom. Cooling)				Total Cooling Capacity (kW)			Total Power Input (kW)			EER (W/W)
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Ave.	Max.	Min.	Ave.	Max.	
1:1	7	7	-	-	-	2.00	-	-	-	1.59	2.00	2.90	0.45	0.62	0.78	3.21
	9	9	-	-	-	2.50	-	-	-	1.59	2.50	3.20	0.45	0.78	0.97	3.21
	12	12	-	-	-	3.50	-	-	-	1.59	3.50	3.90	0.45	1.09	1.31	3.21
	18	18	-	-	-	5.00	-	-	-	1.80	5.00	6.50	0.58	1.56	1.79	3.21
1:2	7+7	7	7	-	-	2.10	2.10	-	-	2.23	4.20	6.36	0.63	1.31	2.15	3.21
	7+9	7	9	-	-	2.06	2.64	-	-	2.23	4.70	6.57	0.63	1.46	2.31	3.21
	7+12	7	12	-	-	2.03	3.47	-	-	2.23	5.50	6.89	0.63	1.71	2.48	3.21
	7+18	7	18	-	-	1.96	5.04	-	-	2.23	7.00	8.48	0.63	2.18	2.91	3.21
	9+9	9	9	-	-	2.65	2.65	-	-	2.23	5.30	6.89	0.63	1.65	2.48	3.21
	9+12	9	12	-	-	2.57	3.43	-	-	2.23	6.00	7.42	0.63	1.87	2.64	3.21
	9+18	9	18	-	-	2.50	5.00	-	-	2.23	7.50	9.54	0.63	2.34	2.97	3.21
	12+12	12	12	-	-	3.50	3.50	-	-	2.23	7.00	7.95	0.63	2.18	2.81	3.21
	12+18	12	18	-	-	3.40	5.10	-	-	2.23	8.50	10.07	0.63	2.65	2.97	3.21
	18+18	18	18	-	-	5.00	5.00	-	-	2.23	10.00	10.60	0.63	3.12	3.30	3.21
1:3	7+7+7	7	7	7	-	2.00	2.00	2.00	-	2.86	6.00	7.42	0.79	1.85	2.97	3.25
	7+7+9	7	7	9	-	1.98	1.98	2.54	-	2.86	6.50	7.95	0.79	2.01	3.14	3.23
	7+7+12	7	7	12	-	2.02	2.02	3.46	-	2.86	7.50	9.01	0.79	2.33	3.30	3.22
	7+7+18	7	7	18	-	1.97	1.97	5.06	-	2.86	9.00	11.66	0.79	2.80	3.63	3.21
	7+9+9	7	9	9	-	1.96	2.52	2.52	-	2.86	7.00	9.01	0.79	2.17	3.30	3.23
	7+9+12	7	9	12	-	2.00	2.57	3.43	-	2.86	8.00	10.07	0.79	2.48	3.47	3.22
	7+9+18	7	9	18	-	1.96	2.51	5.03	-	2.86	9.50	11.66	0.79	2.96	3.63	3.21
	7+12+12	7	12	12	-	2.03	3.48	3.48	-	2.86	9.00	10.60	0.79	2.80	3.47	3.21
	7+12+18	7	12	18	-	1.89	3.24	4.86	-	2.86	10.00	11.66	0.79	3.12	3.63	3.21
	7+18+18	7	18	18	-	1.63	4.19	4.19	-	2.86	10.00	11.66	0.79	3.12	3.63	3.21
	9+9+9	9	9	9	-	2.50	2.50	2.50	-	2.86	7.50	10.07	0.79	2.34	3.47	3.21
	9+9+12	9	9	12	-	2.55	2.55	3.40	-	2.86	8.50	10.60	0.79	2.65	3.47	3.21
	9+9+18	9	9	18	-	2.50	2.50	5.00	-	2.86	10.00	11.66	0.79	3.12	3.63	3.21
	9+12+12	9	12	12	-	2.59	3.45	3.45	-	2.86	9.50	11.66	0.79	2.96	3.63	3.21
	9+12+18	9	12	18	-	2.31	3.08	4.62	-	2.86	10.00	11.66	0.79	3.12	3.63	3.21
	9+18+18	9	18	18	-	2.00	4.00	4.00	-	2.86	10.00	11.66	0.79	3.12	3.63	3.21
12+12+12	12	12	12	-	3.33	3.33	3.33	-	2.86	10.00	11.66	0.79	3.12	3.63	3.21	
12+12+18	12	12	18	-	2.86	2.86	4.29	-	2.86	10.00	11.66	0.79	3.12	3.63	3.21	
1:4	7+7+7+7	7	7	7	7	2.05	2.05	2.05	2.05	3.71	8.20	10.60	0.89	2.30	3.30	3.56
	7+7+7+9	7	7	7	9	1.98	1.98	1.98	2.55	3.71	8.50	11.66	0.89	2.50	3.47	3.40
	7+7+7+12	7	7	7	12	2.02	2.02	2.02	3.45	3.71	9.50	12.72	0.89	2.88	3.63	3.30
	7+7+7+18	7	7	7	18	1.88	1.88	1.88	4.85	3.71	10.50	13.78	0.89	3.27	4.29	3.21
	7+7+9+9	7	7	9	9	1.97	1.97	2.53	2.53	3.71	9.00	12.72	0.89	2.73	3.63	3.30
	7+7+9+12	7	7	9	12	2.00	2.00	2.57	3.43	3.71	10.00	13.25	0.89	3.12	3.96	3.21
	7+7+9+18	7	7	9	18	1.79	1.79	2.30	4.61	3.71	10.50	13.78	0.89	3.27	4.29	3.21
	7+7+12+12	7	7	12	12	1.93	1.93	3.32	3.32	3.71	10.50	13.78	0.89	3.27	4.29	3.21
	7+7+12+18	7	7	12	18	1.67	1.67	2.86	4.30	3.71	10.50	13.78	0.89	3.27	4.29	3.21
	7+9+9+9	7	9	9	9	1.96	2.51	2.51	2.51	3.71	9.50	13.25	0.89	2.94	3.80	3.23
	7+9+9+12	7	9	9	12	2.01	2.58	2.58	3.44	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	7+9+9+18	7	9	9	18	1.73	2.22	2.22	4.44	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	7+9+12+12	7	9	12	12	1.86	2.39	3.18	3.18	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	7+9+12+18	7	9	12	18	1.61	2.07	2.77	4.15	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	7+12+12+12	7	12	12	12	1.73	2.96	2.96	2.96	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	9+9+9+9	9	9	9	9	2.65	2.65	2.65	2.65	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	9+9+9+12	9	9	9	12	2.45	2.45	2.45	3.26	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	9+9+9+18	9	9	9	18	2.12	2.12	2.12	4.24	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	9+9+12+12	9	9	12	12	2.27	2.27	3.03	3.03	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	9+12+12+12	9	12	12	12	2.12	2.83	2.83	2.83	3.71	10.60	13.78	0.89	3.30	4.29	3.21

4M - 36.000 Btu Outdoor Unit



Turn to the experts

HEATING MODE

Combination	Indoor Units	Combinations (x1000 Btu/s)				Indoor Unit Capacity (kW) (Nom. Cooling)				Total Heating Capacity (kW)			Total Power Input (kW)			COP (W/W)
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Ave.	Max.	Min.	Ave.	Max.	
1:1	7	7	-	-	-	2.50	-	-	-	1.80	2.50	2.90	0.45	0.69	0.86	3.62
	9	9	-	-	-	3.00	-	-	-	1.80	3.00	3.20	0.45	0.83	1.04	3.62
	12	12	-	-	-	3.80	-	-	-	1.80	3.80	3.90	0.45	1.05	1.26	3.62
	18	18	-	-	-	5.60	-	-	-	2.04	5.60	7.00	0.55	1.55	1.78	3.61
1:2	7+7	7	7	-	-	2.50	2.50	-	-	2.52	5.00	7.20	0.63	1.38	2.15	3.63
	7+9	7	9	-	-	2.45	3.15	-	-	2.52	5.60	7.44	0.63	1.54	2.31	3.63
	7+12	7	12	-	-	2.21	3.79	-	-	2.52	6.00	7.80	0.63	1.65	2.48	3.63
	7+18	7	18	-	-	2.24	5.76	-	-	2.52	8.00	9.60	0.63	2.21	2.91	3.62
	9+9	9	9	-	-	3.00	3.00	-	-	2.52	6.00	7.80	0.63	1.65	2.48	3.63
	9+12	9	12	-	-	3.00	4.00	-	-	2.52	7.00	8.40	0.63	1.93	2.64	3.63
	9+18	9	18	-	-	2.93	5.87	-	-	2.52	8.80	10.80	0.63	2.43	2.98	3.62
	12+12	12	12	-	-	3.75	3.75	-	-	2.52	7.50	9.00	0.63	2.07	2.81	3.62
	12+18	12	18	-	-	3.76	5.64	-	-	2.52	9.40	11.40	0.63	2.60	2.98	3.62
	18+18	18	18	-	-	5.50	5.50	-	-	2.52	11.00	12.00	0.63	3.05	3.31	3.61
1:3	7+7+7	7	7	7	-	2.50	2.50	2.50	-	3.24	7.50	8.40	0.79	2.05	2.98	3.65
	7+7+9	7	7	9	-	2.37	2.37	3.05	-	3.24	7.80	9.00	0.79	2.14	3.14	3.65
	7+7+12	7	7	12	-	2.29	2.29	3.92	-	3.24	8.50	10.20	0.79	2.33	3.31	3.65
	7+7+18	7	7	18	-	2.52	2.52	6.47	-	3.24	11.50	13.20	0.79	3.17	3.64	3.63
	7+9+9	7	9	9	-	2.38	3.06	3.06	-	3.24	8.50	10.20	0.79	2.33	3.31	3.65
	7+9+12	7	9	12	-	2.50	3.21	4.29	-	3.24	10.00	11.40	0.79	2.74	3.47	3.65
	7+9+18	7	9	18	-	2.37	3.04	6.09	-	3.24	11.50	13.20	0.79	3.17	3.64	3.63
	7+12+12	7	12	12	-	2.48	4.26	4.26	-	3.24	11.00	12.00	0.79	3.03	3.47	3.63
	7+12+18	7	12	18	-	2.18	3.73	5.59	-	3.24	11.50	13.20	0.79	3.18	3.64	3.62
	7+18+18	7	18	18	-	1.87	4.81	4.81	-	3.24	11.50	13.20	0.79	3.19	3.64	3.61
	9+9+9	9	9	9	-	3.33	3.33	3.33	-	3.24	10.00	11.40	0.79	2.75	3.47	3.63
	9+9+12	9	9	12	-	3.30	3.30	4.40	-	3.24	11.00	12.00	0.79	3.03	3.47	3.63
	9+9+18	9	9	18	-	2.88	2.88	5.75	-	3.24	11.50	13.20	0.79	3.19	3.64	3.61
	9+12+12	9	12	12	-	3.14	4.18	4.18	-	3.24	11.50	13.20	0.79	3.17	3.64	3.63
	9+12+18	9	12	18	-	2.65	3.54	5.31	-	3.24	11.50	13.20	0.79	3.18	3.64	3.62
9+18+18	9	18	18	-	2.30	4.60	4.60	-	3.24	11.50	13.20	0.79	3.19	3.64	3.61	
12+12+12	12	12	12	-	3.83	3.83	3.83	-	3.24	11.50	13.20	0.79	3.17	3.64	3.63	
12+12+18	12	12	18	-	3.29	3.29	4.93	-	3.24	11.50	13.20	0.79	3.19	3.64	3.61	
1:4	7+7+7+7	7	7	7	7	2.50	2.50	2.50	2.50	4.20	10.00	12.00	0.89	2.59	3.31	3.86
	7+7+7+9	7	7	7	9	2.57	2.57	2.57	3.30	4.20	11.00	12.60	0.89	2.93	3.47	3.75
	7+7+7+12	7	7	7	12	2.50	2.50	2.50	4.29	4.20	11.80	13.20	0.89	3.19	3.64	3.70
	7+7+7+18	7	7	7	18	2.15	2.15	2.15	5.54	4.20	12.00	14.40	0.89	3.29	4.30	3.65
	7+7+9+9	7	7	9	9	2.58	2.58	3.32	3.32	4.20	11.80	13.20	0.89	3.19	3.64	3.70
	7+7+9+12	7	7	9	12	2.40	2.40	3.09	4.11	4.20	12.00	13.80	0.89	3.24	3.97	3.70
	7+7+9+18	7	7	9	18	2.05	2.05	2.63	5.27	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	7+7+12+12	7	7	12	12	2.21	2.21	3.79	3.79	4.20	12.00	14.40	0.89	3.29	4.30	3.65
	7+7+12+18	7	7	12	18	1.91	1.91	3.27	4.91	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	7+9+9+9	7	9	9	9	2.47	3.18	3.18	3.18	4.20	12.00	13.80	0.89	3.24	3.80	3.70
	7+9+9+12	7	9	9	12	2.27	2.92	2.92	3.89	4.20	12.00	14.40	0.89	3.30	4.30	3.64
	7+9+9+18	7	9	9	18	1.95	2.51	2.51	5.02	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	7+9+12+12	7	9	12	12	2.10	2.70	3.60	3.60	4.20	12.00	14.40	0.89	3.30	4.30	3.64
	7+9+12+18	7	9	12	18	1.83	2.35	3.13	4.70	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	7+12+12+12	7	12	12	12	1.95	3.35	3.35	3.35	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	7+12+12+18	7	12	12	18	1.71	2.94	2.94	4.41	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	9+9+9+9	9	9	9	9	3.00	3.00	3.00	3.00	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	9+9+9+12	9	9	9	12	2.77	2.77	2.77	3.69	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	9+9+9+18	9	9	9	18	2.40	2.40	2.40	4.80	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	9+9+12+12	9	9	12	12	2.57	2.57	3.43	3.43	4.20	12.00	14.40	0.89	3.31	4.30	3.63
9+12+12+12	9	12	12	12	2.40	3.20	3.20	3.20	4.20	12.00	14.40	0.89	3.31	4.30	3.63	



5M - 42.000 Btu Outdoor Unit

COOLING MODE

Combination	Indoor Units	Combinations (x1000 Btu/s)					Indoor Unit Capacity (kW) (Nom. Cooling)					Total Cooling Capacity (kW)			Total Power Input (kW)			EER (W/W)
		Unit A	Unit B	Unit C	Unit D	Unit E	Unit A	Unit B	Unit C	Unit D	Unit E	Min.	Ave.	Max.	Min.	Ave.	Max.	
1:1	7	7	-	-	-	-	2.00	-	-	-	-	1.66	2.00	2.90	0.45	0.62	0.78	3.22
	9	9	-	-	-	-	2.50	-	-	-	-	1.66	2.50	3.20	0.45	0.78	0.97	3.22
	12	12	-	-	-	-	3.50	-	-	-	-	1.66	3.50	3.90	0.45	1.09	1.30	3.22
	18	18	-	-	-	-	5.00	-	-	-	-	1.85	5.00	6.50	0.58	1.56	1.79	3.21
	24	24	-	-	-	-	7.00	-	-	-	-	2.09	7.00	8.20	0.70	2.18	2.29	3.21
1:2	7+7	7	7	-	-	-	2.10	2.10	-	-	-	2.34	4.20	7.38	0.63	1.30	2.16	3.23
	7+9	7	9	-	-	-	2.06	2.64	-	-	-	2.34	4.70	7.63	0.63	1.46	2.31	3.23
	7+12	7	12	-	-	-	2.03	3.47	-	-	-	2.34	5.50	8.00	0.63	1.70	2.50	3.23
	7+18	7	18	-	-	-	1.96	5.04	-	-	-	2.34	7.00	9.84	0.63	2.17	2.65	3.23
	7+24	7	24	-	-	-	2.05	7.05	-	-	-	2.34	9.10	11.69	0.63	2.83	2.98	3.21
	9+9	9	9	-	-	-	2.65	2.65	-	-	-	2.34	5.30	8.00	0.63	1.64	2.50	3.23
	9+12	9	12	-	-	-	2.57	3.43	-	-	-	2.34	6.00	8.61	0.63	1.86	2.53	3.23
	9+18	9	18	-	-	-	2.50	5.00	-	-	-	2.34	7.50	11.07	0.63	2.34	2.80	3.21
	9+24	9	24	-	-	-	2.65	7.05	-	-	-	2.34	9.70	12.30	0.63	3.02	3.17	3.21
	12+12	12	12	-	-	-	3.50	3.50	-	-	-	2.34	7.00	9.23	0.63	2.17	2.65	3.23
	12+18	12	18	-	-	-	3.40	5.10	-	-	-	2.34	8.50	11.69	0.63	2.65	3.06	3.21
	12+24	12	24	-	-	-	3.33	6.67	-	-	-	2.34	10.00	12.30	0.63	3.12	3.35	3.21
	18+18	18	18	-	-	-	5.25	5.25	-	-	-	2.34	10.50	12.30	0.63	3.27	3.35	3.21
	18+24	18	24	-	-	-	4.93	6.57	-	-	-	2.34	11.50	12.50	0.63	3.58	3.35	3.21
	24+24	24	24	-	-	-	6.00	6.00	-	-	-	2.34	12.00	12.50	0.63	3.74	3.35	3.21
1:3	7+7+7	7	7	7	-	-	2.00	2.00	2.00	-	-	2.89	6.00	7.38	0.78	1.85	2.98	3.25
	7+7+9	7	7	9	-	-	1.98	1.98	2.54	-	-	2.89	6.50	8.61	0.78	2.00	3.17	3.25
	7+7+12	7	7	12	-	-	2.02	2.02	3.46	-	-	2.89	7.50	9.23	0.78	2.31	3.35	3.25
	7+7+18	7	7	18	-	-	1.97	1.97	5.06	-	-	2.89	9.00	11.07	0.78	2.78	3.54	3.24
	7+7+24	7	7	24	-	-	2.03	2.03	6.95	-	-	2.89	11.00	12.92	0.78	3.42	3.73	3.22
	7+9+9	7	9	9	-	-	1.96	2.52	2.52	-	-	2.89	7.00	9.23	0.78	2.15	3.28	3.25
	7+9+12	7	9	12	-	-	2.00	2.57	3.43	-	-	2.89	8.00	10.46	0.78	2.46	3.43	3.25
	7+9+18	7	9	18	-	-	1.96	2.51	5.03	-	-	2.89	9.50	11.07	0.78	2.93	3.65	3.24
	7+9+24	7	9	24	-	-	2.01	2.59	6.90	-	-	2.89	11.50	12.92	0.78	3.57	3.88	3.22
	7+12+12	7	12	12	-	-	2.03	3.48	3.48	-	-	2.89	9.00	11.07	0.78	2.78	3.54	3.24
	7+12+18	7	12	18	-	-	1.99	3.41	5.11	-	-	2.89	10.50	12.30	0.78	3.26	3.73	3.22
	7+12+24	7	12	24	-	-	1.87	3.21	6.42	-	-	2.89	11.50	12.92	0.78	3.57	3.88	3.22
	7+18+18	7	18	18	-	-	1.87	4.81	4.81	-	-	2.89	11.50	12.92	0.78	3.57	3.88	3.22
	9+9+9	9	9	9	-	-	2.67	2.67	2.67	-	-	2.89	8.00	10.46	0.78	2.46	3.73	3.25
	9+9+12	9	9	12	-	-	2.70	2.70	3.60	-	-	2.89	9.00	12.92	0.78	2.78	3.54	3.24
	9+9+18	9	9	18	-	-	2.63	2.63	5.25	-	-	2.89	10.50	12.30	0.78	3.26	3.73	3.22
	9+9+24	9	9	24	-	-	2.46	2.46	6.57	-	-	2.89	11.50	12.92	0.78	3.57	3.88	3.22
	9+12+12	9	12	12	-	-	2.45	3.27	3.27	-	-	2.89	9.00	11.07	0.78	2.78	3.54	3.24
	9+12+18	9	12	18	-	-	2.54	3.38	5.08	-	-	2.89	11.00	11.69	0.78	3.42	3.73	3.22
	9+12+24	9	12	24	-	-	2.30	3.07	6.13	-	-	2.89	11.50	12.92	0.78	3.57	3.88	3.22
	9+18+18	9	18	18	-	-	2.40	4.80	4.80	-	-	2.89	12.00	12.92	0.78	3.74	3.88	3.21
12+12+12	12	12	12	-	-	3.17	3.17	3.17	-	-	2.89	9.50	11.07	0.78	2.93	3.65	3.24	
12+12+18	12	12	18	-	-	3.29	3.29	4.93	-	-	2.89	11.50	12.92	0.78	3.57	3.88	3.22	
12+12+24	12	12	24	-	-	3.00	3.00	6.00	-	-	2.89	12.00	12.92	0.78	3.74	3.88	3.21	
12+18+18	12	18	18	-	-	3.00	4.50	4.50	-	-	2.89	12.00	12.92	0.78	3.74	3.88	3.21	
12+18+24	12	18	24	-	-	2.67	4.00	5.33	-	-	2.89	12.00	12.92	0.78	3.74	3.88	3.21	
18+18+18	18	18	18	-	-	4.00	4.00	4.00	-	-	2.89	12.00	12.92	0.78	3.74	3.88	3.21	
1:4	7+7+7+7	7	7	7	7	-	2.00	2.00	2.00	2.00	-	3.69	8.00	10.50	0.89	2.45	3.35	3.26
	7+7+7+9	7	7	7	9	-	1.98	1.98	1.98	2.55	-	3.69	8.50	11.07	0.89	2.61	3.54	3.26
	7+7+7+12	7	7	7	12	-	2.02	2.02	2.02	3.45	-	3.69	9.50	11.69	0.89	2.92	3.65	3.25
	7+7+7+18	7	7	7	18	-	2.06	2.06	2.06	5.31	-	3.69	11.50	12.30	0.89	3.57	4.10	3.22
	7+7+7+24	7	7	7	24	-	1.87	1.87	1.87	6.40	-	3.69	12.00	13.53	0.89	3.74	4.29	3.21
	7+7+9+9	7	7	9	9	-	2.08	2.08	2.67	2.67	-	3.69	9.50	11.69	0.89	2.92	3.65	3.25
	7+7+9+12	7	7	9	12	-	2.00	2.00	2.57	3.43	-	3.69	10.00	12.30	0.89	3.08	4.10	3.25
	7+7+9+18	7	7	9	18	-	1.96	1.96	2.52	5.05	-	3.69	11.50	12.30	0.89	3.57	4.10	3.22
	7+7+9+24	7	7	9	24	-	1.79	1.79	2.30	6.13	-	3.69	12.00	13.53	0.89	3.74	4.29	3.21
	7+7+12+12	7	7	12	12	-	1.93	1.93	3.32	3.32	-	3.69	10.50	12.92	0.89	3.25	4.10	3.23
	7+7+12+18	7	7	12	18	-	1.83	1.83	3.14	4.70	-	3.69	11.50	13.53	0.89	3.57	4.10	3.22
	7+7+12+24	7	7	12	24	-	1.72	1.72	2.95	5.90	-	3.69	12.30	13.53	0.89	3.83	4.29	3.21
	7+7+18+18	7	7	18	18	-	1.72	1.72	4.43	4.43	-	3.69	12.30	13.53	0.89	3.83	4.29	3.21



Turn to the experts



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