

# Duct-Free and Ducted Split Systems

R-410A  
INVERTER



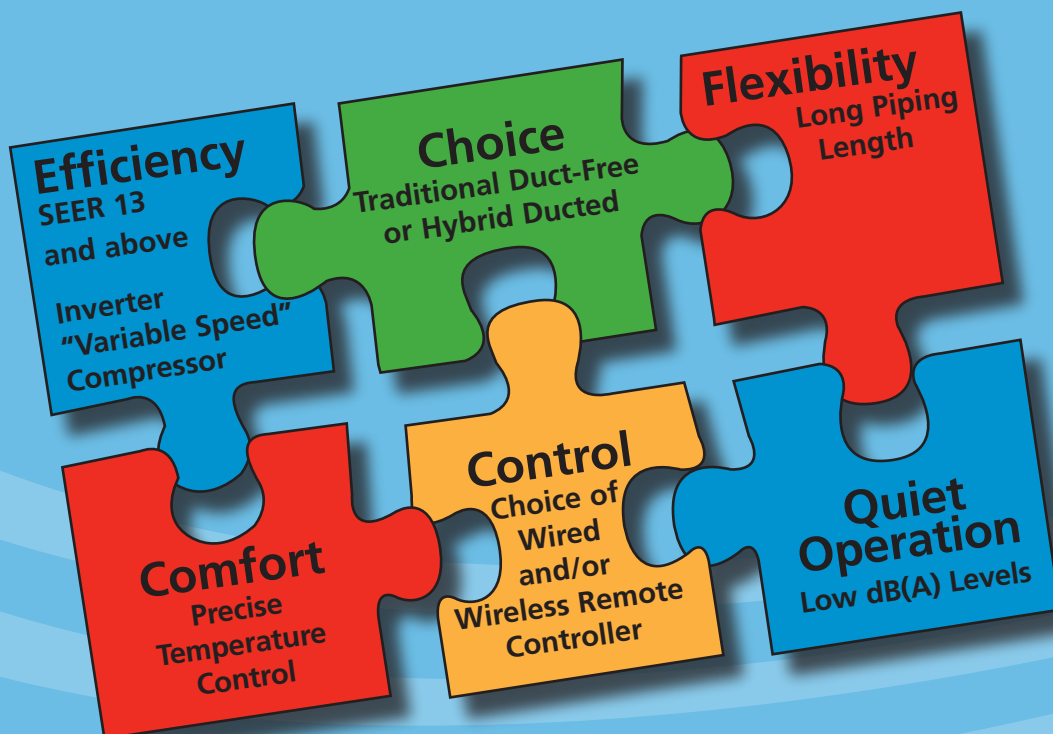
**DAIKIN<sup>®</sup> AC<sup>™</sup>**  
absolute comfort<sup>™</sup>

INTELLIGENT AIR-CONDITIONING SOLUTIONS

# The Daikin Difference

With passion and precision, Daikin is redefining how the world thinks about air conditioning.








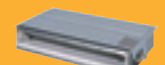




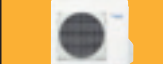


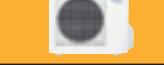
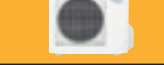












- **Performance worldwide.** Daikin has sold millions of systems in more than 45 countries, with the average system consistently up and running nearly 20 years after installation.
- The **reliability** of a single supplier. Recognized by technicians and customers worldwide for its outstanding service and support.
- **Revolutionary technology** for precise temperature control that constantly readjusts itself to the environment and changing occupancy.
- All Daikin AC systems employ inverter “variable speed” compressors and R-410A refrigerants,\* also optimizing energy conservation.
- **Absolute Comfort™** — now available at every stage. Along with their technological and aesthetic sophistication, Daikin systems are backed by one of the best warranties in the industry.



**R-410A**

*\*The ozone depletion potential (ODP) of zero for R-410A is lower than the ODP of 0.05 for R-22.*

# A Powerful Product Portfolio

		BTU/H	9,000	12,000	15,000	18,000	24,000
<b>Split Systems</b>	 Single Split (single zone)	Wall Mounted unit  SEER 16 HSPF 8.8	 SEER 16 HSPF 8.8	 SEER 17 HSPF 10.1	 SEER 16.3 HSPF 9.1	 SEER 15 HSPF 9.2	
		Slim Duct Built-In unit SEER 13 HSPF 7.7 					
		Outdoor unit 					
	Multi-Split (dual zone)	Wall Mounted unit SEER16 HSPF 7.7 					
		Outdoor unit 					
	<b>SkyAir Systems</b>	Single Split (single zone)	4-way ceiling mounted cassette unit SEER 13 HSPF 7.7 				
Ceiling suspended unit SEER 13 HSPF 7.7 							
Outdoor unit 							

Daikin AC offers a range of products that enables contractors and engineers to easily create comfortable living and working environments. Designed specifically so installation is flexible, allowing you more choice for less effort. Daikin AC's innovative systems will remodel your idea of air conditioning.

# Intelligent to the Core

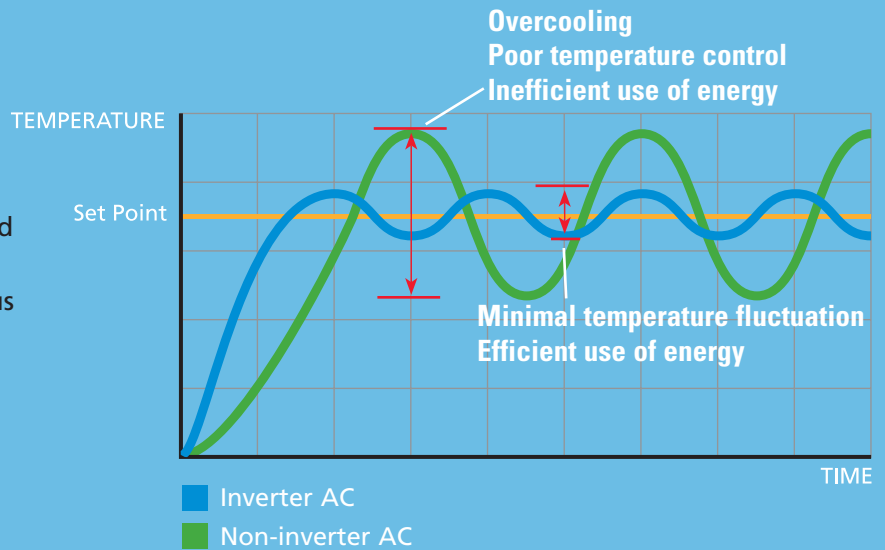
Daikin develops and optimizes every component within our unique system, making sure each element works flawlessly with the next. Optimal performance is delivered from the time a project begins to the moment of experiencing Absolute Comfort. We use the most up-to-date technology to build products that not only elevate the level of high performance but are equipped with advanced built-in intelligence and flexibility.

## **INVERTER** What is it?

- The inverter technology can be compared to the technology in a car: "The harder you push the accelerator, the faster you go."
- An inverter unit will gradually increase the compressor speed based on the capacity needed to cool down or heat up the room.
- A system without inverter technology can be compared to turning on or off a lamp. Turning on this type of unit will start to run on full load.

### Advantages of the inverter technology

- The system operates at the required capacity, delivering the amount of cooling or heating to maintain the desired comfort condition
- Start-up time is reduced by one-third (compared to normal on/off units)
- Avoids cycling operation of the compressor, thus reduced costly current (amp) peaks
- Minimizes temperature fluctuations
- Reduces the energy consumption by one-third (compared to normal on/off units)

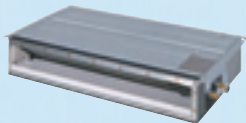


## The Comfort of Choice

A wide range (of indoor units) allows for flexible installation. There is always a solution to fit any space, anytime.



FTXS/CTXS



FDXS



FCQ



FHQ

### ■ Smart installation

Instead of noisy compressors and large ductwork, Daikin uses a small, easily hidden outdoor unit and an easily connected pair of cooling lines. These lines open into a small three-inch opening through a wall or ceiling, connecting to an indoor unit.

### ■ Long piping run

The piping length varies according to the models. The maximum single longest line is 230 ft. for a maximum height difference of 164 ft.

# The Luxury of Choice



## Single Split and Multi-Split Systems

Whether you plan an add-on or a new construction, Daikin Single Split and Multi-Split Systems will keep you comfortable. Wireless remote controllers are standard on all of our models including temperature control, timer and other functions. (Alternative choice of indoor units.)

## SkyAir Systems

Ranging from 24,000 Btu/h to 42,000 Btu/h, the innovative SkyAir system is designed to quietly blend into the ambience of shops, restaurants, small offices or home environments.

With a choice of a 4-way cassette or ceiling suspended indoor units and a long piping length of up to 230 ft., the system allows a greater flexibility of installation.



# Single Split and Multi-Split Systems

## FTXS/CTXS Wall-Mounted Units

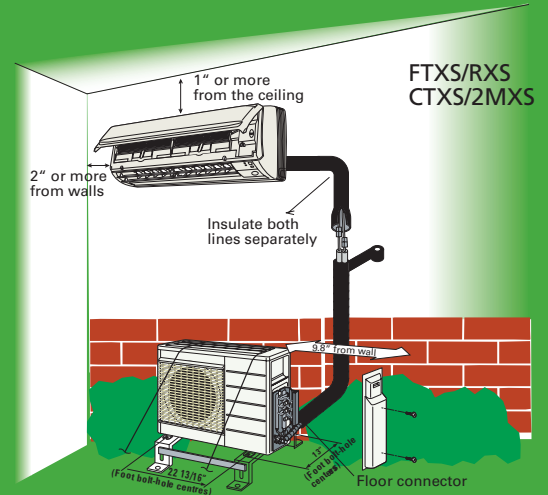


FTXS/CTXS

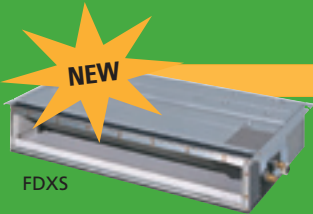


ARC

- Movement sensor automatically saves power consumption in unoccupied rooms
- Long piping length
- Set back operation
- Flat panel design is easy to clean
- Low ambient operation
- Air purification filter with photocatalytic deodorizing function
- Powerful mode can be selected for rapid cooling and/or heating



Wall-mounted Unit – installation space



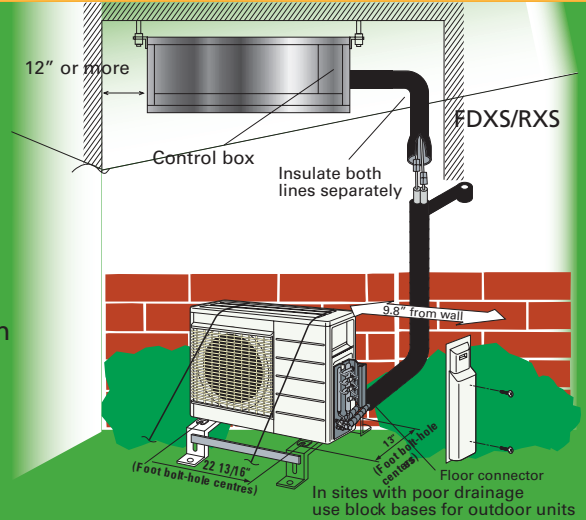
FDXS



ARC

## FDXS Slim Duct Built-In Units

- Low profile (less than 8" height)
- Low sound level
- ESP up to 0.12"
- Bottom or rear suction
- Home-leave temperature set-back operation
- Powerful mode – rapid cooling or heating



Slim Duct Built-in – installation space

## RXS/2MXS Outdoor Units

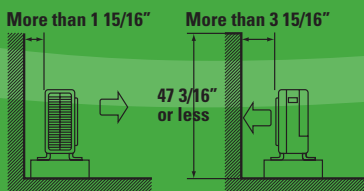


RXS

- Outdoor unit with sound set back
- R-410A precharged for piping length up to 33 ft.
- Reliable and unique Daikin Swing Compressor
- Compact and lightweight design

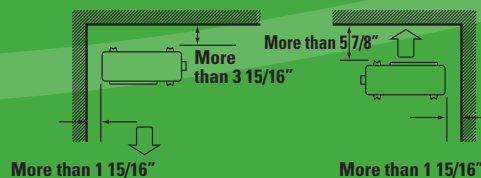
### RXS09/RXS12 installation space

#### Wall facing one side



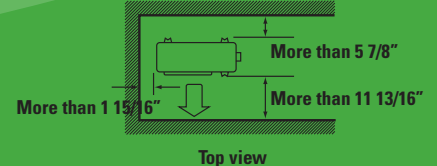
Side view

#### Walls facing two sides



Top view

#### Walls facing three sides



Top view

Single Split Systems

Multi-Split Systems

Indoor Units — Wall Mounted Units

Model	FTXS09DVJU	FTXS12DVJU	FTXS15DVJU	FTXS18DVJU	FTXS24DVJU	CTXS09DVJU (2)
Refrigerant	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Front Panel Color	Off-White	Off-White	Off-White	Off-White	Off-White	White
Cooling Capacity (Btu/h)	nom. 8,500	11,500	15,000	18,000	22,000	9,000
Heating Capacity (Btu/h)	nom. 10,000	11,500	18,000	21,600	24,000	11,000
Energy Efficiency	SEER 16.0	16.0	17.0	16.3	15.0	16.0
Energy Efficiency	HSPF 8.8	8.8	10.1	9.1	9.2	7.7
Moisture Removal	Pt/h 2.3	3.2	3.4	4.3	6.3	2.3
Airflow-Wet (cfm)	H/M/L 246-197-148	242-195-148	519-436-353	549-476-402	536-473-409	388-335-283
Airflow-Dry (cfm)	H/M/L 253-220-187	286-237-187	515-459-402	609-529-448	586-532-477	400-357-314
Sound Pressure-Cooling dB(A)	H/M/L 38/32/25	40/33/26	45/41/36	45/41/36	46/42/37	44/40/35
Sound Pressure-Heating dB(A)	H/M/L 38/33/28	39/34/29	44/40/35	44/40/35	46/42/37	44/39/34
Condensate Drain Connection (in.)	O.D. 11/16	11/16	11/16	11/16	11/16	11/16
Dimensions (in.)	H x W x D	← 10 3/4 x 30 7/8 x 7 11/1611 →		← 11 7/16 x 41 5/16 x 9 3/8 →		11 7/16 x 31 5/16 x 9 3/8
Weight (lbs.)	16.6	16.6	26.5	26.5	26.5	20
Wireless Remote Controller (standard)	ARC433A51	ARC433A51	ARC433A53	ARC433A53	ARC433A53	ARC433A53

Indoor Units — Slim Duct Built-In Units

Model	FDXS09DVJU	FDXS12DVJU
Refrigerant	R-410A	R-410A
Cooling Capacity (Btu/h)	nom. 8,500	11,500
Heating Capacity (Btu/h)	nom. 10,000	11,500
Energy Efficiency	SEER 13.0	13.0
Energy Efficiency	HSPF 7.7	7.7
Moisture Removal	Pt/h 2.5	4
Airflow-Dry and Wet (cfm)	H/M/L 305-280-260	305-280-260
Sound Pressure-Cooling dB(A)	H/M/L 35/33/31	35/33/31
Sound Pressure-Heating dB(A)	H/M/L 35/33/31	35/33/31
Condensate Drain Connection (in.)	O.D. 25/32	25/32
Dimensions (in.)	H x W x D	← 7 7/8 x 27 9/16 x 24 7/16 →
Weight (lbs.)	47	47
Wireless Remote Controller (standard)	ARC433A63	ARC433A63

Outdoor Units

Model	RXS09DVJU	RXS12DVJU	RXS15DVJU	RXS18DVJU	RXS24DVJU	2MXS18DVJU
Capacity	Btu/h 9,000	12,000	15,000	18,000	24,000	7,300 - 18,000 - 19,000
Casing Color	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Power Source	1ph 208/230V 60Hz	1ph 208/230V 60Hz	1ph 208/230V 60Hz	1ph 208/230V 60Hz	1ph 208/230V 60Hz	1ph 208/230V 60Hz
Max. Fuse Size	Amps 15	15	20	20	20	20
Compressor Type	← Hermetically sealed swing type compressor →					
Compressor Motor Output	W 600	600	1,500	1,500	1,900	1,380
Power Consumption-Cooling	W 770	1,230	1,230	1,590	2,360	380/1,580/1,750
Power Consumption-Heating	W 1,070	1,000	1,570	2,000	2,590	330/2,020/2,020
Operating Current-Cooling	A 4.13	5.51	5.44	6.97	10.3	7.17
Operating Current-Heating	A 4.98	4.73	6.88	8.71	11.3	8.9
Sound Pressure Level (cooling/heating) dB(A)	48/49	49/51	51/51	51/51	54/54	50/51
Dimensions (in.)	H x W x D	← 21 5/8 x 30 1/8 x 11 1/4 →		← 28 15/16 x 32 1/2 x 11 13/16 →		
Weight	lbs. 74	79	117	117	121	139
Operating Range-Cooling (outdoor-db)	°F 14-115	14-115	14-115	14-115	14-115	14-115
Operating Range-Cooling (outdoor-db) (with optional wind baffle)	°F 0-115	0-115	0-115	0-115	0-115	n/a
Operating Range-Heating (outdoor-db)	°F 0-64	0-64	0-64	0-64	0-64	0-64
Pipe Connections-Liquid (flare type)	in. 1/4	1/4	1/4	1/4	1/4	1/4
Pipe Connections-Gas (flare type)	in. 3/8	3/8	1/2	1/2	5/8	3/8
Refrigerant Charge	lbs. 1.76	2.2	3.75	3.75	3.75	5.73
Max. Piping Length	ft. 66	66	98	98	98	164
Piping Length (no add'l refrigerant)	ft. 33	33	33	33	33	98.4
Max. Height Difference	ft. 49	49	66	66	66	49.2
Refrigerant	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A

Controllers

Central Remote Controller	DCS302C71	DCS302C71	DCS302C71	DCS302C71	DCS302C71	DCS302C71
Unified On/Off Controller	DCS301C71	DCS301C71	DCS301C71	DCS301C71	DCS301C71	DCS301C71
Schedule Timer	DST301BA61	DST301BA61	DST301BA61	DST301BA61	DST301BA61	DST301BA61
Interface Adaptor for DIII-NET use	KRP928B2S	KRP928B2S	KRP928B2S	KRP928B2S	KRP928B2S	KRP928B2S

## FCQ 4-Way Ceiling Mounted Cassette Units

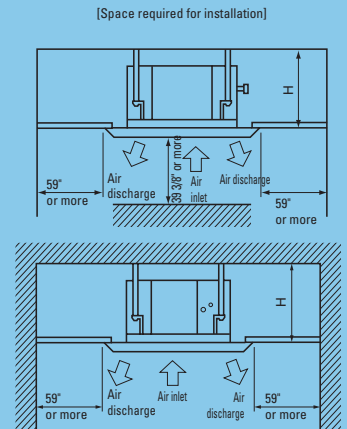


An attractive solution for customized comfort, the FCQ fits virtually flush into false ceilings, leaving maximum floor and wall space for furniture, decoration and fittings. Quiet and energy efficient, it features adjustable airflow distribution for ceiling heights up to 13.8 ft. without loss of capacity.



BRC1D71  
7-Day  
Programmable  
Wired R/C  
(standard)

- Draft prevention and anti-ceiling soiling technology
- Choice of eight airflow distribution patterns for individual comfort
- Integration of outside air possible using unit knock out provided
- Home leave operation saves energy during absence
- Flexible installation
- Optional flap shutoff allows easy installation in corners
- Standard built-in condensation pump (lift up to 21 ft.)
- A choice of wired or wireless controllers



## FHQ Ceiling Suspended Units

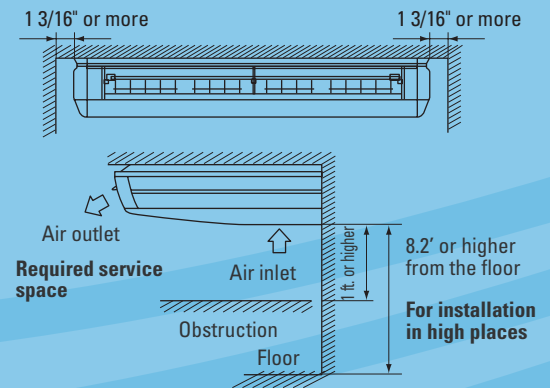


Ideal for rooms without false ceilings, the unit installs directly against the ceiling. Designed for maximum efficiency all around, the FHQ delivers consistent heating and cooling comfort in rooms up to 12.5 ft. ceiling heights without loss of capacity.



BRC1D71  
7-Day  
Programmable  
Wired R/C  
(standard)

- Auto-swing capability with 100° airflow pattern
- Quietly distributes airflow in all directions
- Lateral servicing space allows installation in corners, narrow spaces, walls and ceilings
- Concealed piping enhances decor
- Easy-to-clean flat surfaces
- A choice of wired or wireless controllers



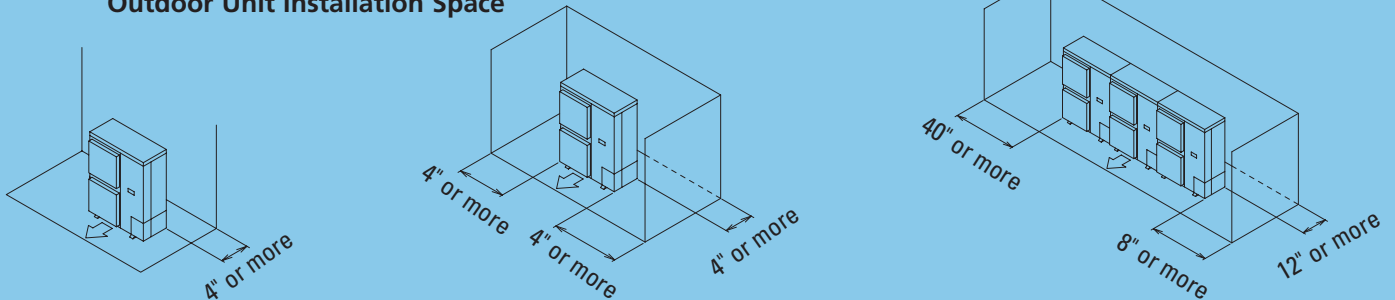
## RZQ Outdoor Units



Inside SkyAir's space-saving design is a powerhouse with the capacity to meet most light commercial applications. Daikin's inverter technology combines precise temperature control and superior energy efficiency with quiet operation.

- Available from 24,000 Btu/h to 42,000 Btu/h
- Maximum 230 ft. piping length allows flexible placement of indoor unit
- Maximum Height separation of 164 ft.
- Self-diagnostic capabilities provide added reliability
- Pair with either FCQ or FHQ indoor ceiling units
- Possible to mount on wall brackets

### Outdoor Unit Installation Space



## Indoor Units - FCQ 4-Way Ceiling Mounted Cassette Units

Model		FCQ24MVJU	FCQ30MVJU	FCQ36MVJU	FCQ42MVJU
Front Panel Color		white	white	white	white
Power Source		1ph, 208 - 230V, 60Hz			
Recommended Fuse Amps	Amps	15	15	15	15
Cooling Capacity	Btu/h	24,000	30,000	36,000	40,500
Heating Capacity	Btu/h	27,000	34,000	39,500	41,500
Energy Efficiency	SEER	13	13	13	13
Energy Efficiency	HSPF	7.7	7.7	7.7	7.7
Airflow H/L	cfm	(cooling) 790/670 (heating) 870/670	900/790	950/790	1030/870
Sound Pressure Level	dB(A)	42	42	44	46
Pipe Connections – Liquid (flare type)	in.	3/8	3/8	3/8	3/8
Pipe Connections – Gas (flare type)	in.	5/8	5/8	5/8	5/8
Condensate Drain Connection	in.	VP25 (External dia. 1-1/4, internal dia. 1)			
Dimensions H x W x D	in.	11- 3/8 x 33 - 1/8 x 33 - 1/8			
Weight	lbs.	73	73	74	74
STD Controller	wired	BRC1D71	BRC1D71	BRC1D71	BRC1D71
Optional Controller	wireless	BRC7C812	BRC7C812	BRC7C812	BRC7C812

## Indoor Units - FHQ Ceiling Suspended Units

Model		FHQ24MVJU	FHQ30MVJU	FHQ36MVJU	FHQ42MVJU
Front Panel Color		white	white	white	white
Power Source		1ph, 208 - 230V, 60Hz			
Recommended Fuse Amps	Amps	15	15	15	15
Cooling Capacity	Btu/h	24,000	30,000	36,000	40,500
Heating Capacity	Btu/h	27,000	34,000	37,500	39,500
Energy Efficiency	SEER	13	13	13	13
Energy Efficiency	HSPF	7.7	7.7	7.7	7.7
Airflow H/L	cfm	790/670	790/670	830/670	850/700
Sound Pressure Level	dB(A)	45	45	46	47
Pipe Connections – Liquid (flare type)	in.	3/8	3/8	3/8	3/8
Pipe Connections – Gas (flare type)	in.	5/8	5/8	5/8	5/8
Condensate Drain Connection	in.	VP20 (External dia. 1, internal dia. 3/4)			
Dimensions H x W x D	in.	7 - 11/16 x 62 - 5/8 x 26 - 3/4			
Weight	lbs.	90	90	90	90
STD Controller	wired	BRC1D71	BRC1D71	BRC1D71	BRC1D71
Optional Controller	wireless	BRC7E83	BRC7E83	BRC7E83	BRC7E83

## Outdoor Units - RZQ

Model		RZQ24MVJU	RZQ30MVJU	RZQ36MVJU	RZQ42MVJU
Casing Color		Ivory White	Ivory White	Ivory White	Ivory White
Power Source		1ph, 208 - 230V, 60Hz			
Recommended Fuse Amps	Amps	30	30	30	30
Compressor Type		Hermetically sealed scroll type			
Compressor-Motor Output	kW	1.6	2	2.5	3
Power Consumption – Cooling (FCQ + RZQ)	W	2,470	3,130	3,970	5,010
Power Consumption – Heating (FCQ + RZQ)	W	2,550	3,370	4,100	4,360
Power Consumption – Cooling (FHQ + RZQ)	W	1,900	3,000	3,600	4,300
Power Consumption – Heating (FHQ + RZQ)	W	2,800	3,600	4,100	4,300
Operating Current	A	20.6	20.5	22.5	23.3
Sound Pressure Level	dB(A)	58	58	58	58
Weight	lbs.	310	310	310	310
Operating Range – Cooling outdoor °F DB	°F	14 - 115	14 - 115	14 - 115	14 - 115
Operating Range – Cooling outdoor °F DB (with optional wind baffle)	°F	0 - 115	0 - 115	0 - 115	0 - 115
Operating Range – Heating outdoor °F DB	°F	0 - 64	0 - 64	0 - 64	0 - 64
Pipe Connections – Liquid (flare type)	in.	3/8	3/8	3/8	3/8
Pipe Connections – Gas (flare type)	in.	5/8	5/8	5/8	5/8
Refrigerant Charge	lbs.	12.8	12.8	12.8	12.8
Max. Piping Length	ft.	230	230	230	230
Max. Height Difference	ft.	164	164	164	164
Refrigerant		R-410A	R-410A	R-410A	R-410A

# SkyAir Controllers and Accessories

## Individual Zone Controllers

7-Day Programmable  
Wired R/C  
BRC1D71

Wireless R/C  
BRC7C812  
BRC7E83

**Model**



No. of Units Controllable ← 1 Group/16 Units →

	7-Day Programmable Wired R/C BRC1D71	Wireless R/C BRC7C812 BRC7E83
Operation	Start/Stop	✓
	Operation Mode	✓
	Temperature Setting	✓
	Set-Point Range	60°-90° F
	Permit/Prohibit Selection	✓
	Fan Speed	✓
Monitoring	Airflow Direction	✓
	Status	✓
	Malfunction Flashing	✓
	Malfunction Content	✓
	Filter Sign	✓
	Operation Mode	✓
Scheduling	Temperature Setting	✓
	Permit/Prohibit Selection	✓
	Fan Speed	✓
	Airflow Direction	✓
	Weekly	7
	Timed Starts/Stops Per Day	5
Data	No. of Weekly Schedules	✓
	Auto ON/OFF Timer	✓
Control Management	Error History	✓
	Field Setting Mode	✓
	Group Setting	✓
	7-Day Time Clock	✓
	5-Temperature Setpoints Per Day	✓
	Minimum Night Setting	✓
	Maximum Day Setting	✓
	Night Set-Back Function	✓
Home Leave Function	✓	
Auto Restart	✓	

### SPECIFICATIONS OF CORD

TYPE	2-core sheathed vinyl cord or cable
SIZE	AWG18-2
TOTAL LENGTH	1,640 ft.

## 7-Day Programmable Wired R/C - BRC1D71



## FCQ Indoor Unit Accessories

Description	Part Number
65% Calorimeter Filter (FCQ24)	KAFJ552K80
65% Calorimeter Filter (FCQ30, FCQ36, FCQ42)	KAFJ552K160
90% Calorimeter Filter (FCQ24)	KAFJ553K80
90% Calorimeter Filter (FCQ30, FCQ36, FCQ42)	KAFJ553K160
Filter Chamber for above	KDDFP55D160
Ultra-Long Life Filter	KAFP55D160
Long Life Replacement Filter (non-woven type)	KAFJ55K160H
Fresh Air Intake Kit without T pipe	KDDP55D160
Panel Spacer with T pipe	KDBJ55K160W
Fresh Air Intake Kit	KDDP55D160K
Decoration Panel	BYC125K-W1

## FHQ Indoor Unit Accessories

Description	Part Number
Replacement Long-Life Filter (Resin Net)	KAFJ501D160
L-Type Piping Kit (for Upward Direction)	KHFP5M160

## Outdoor Unit Accessories

Description	Part Number
Central Drain Plug	KKPJ5F180
Fixture for Preventing Overturning	KPT-60B160
Wire Fixture for Preventing Overturning	K-KYZP15C
Low ambient wind baffle	KPW5E80

## Electrical

Description	Part Number
Wiring Adaptor PCB (FCQ) <i>(interface with aux/primary heater, humidifier, OA damper/fan, etc.)</i>	KRP1B72
Wiring Adaptor PCB (FHQ) <i>(interface with aux/primary heater, OA damper/fan, etc.)</i>	KRP1B73
Group Control Adaptor PCB (FHQ) <i>(connects to external BMS)</i>	KRP4A72
Group Control Adaptor PCB (FCQ) <i>(connects to external BMS)</i>	KRP4A73
Adaptor PCB Installation Box (FCQ w/ KRP1B72/ KRP4A73) <i>(up to two adaptors can be installed in KRP1B98 and only one KRP1B98 is installed in the FCQ)</i>	KRP1B98
Adaptor PCB Installation Plate (FHQ w/ KRP4A72) <i>(up to two adaptors can be installed in KRP1B98 and only one KRP1B98 is installed in the FCQ)</i>	KRP1C93



## Daikin AC: The Right Choice

A leading innovator and provider of air conditioning solutions for residential and commercial applications, Daikin has sold millions of systems throughout Asia, Europe and South America over the past 80 years. Today, Daikin is revolutionizing air conditioning in North America with some of the most technologically and aesthetically advanced solutions ever introduced. Offering an unprecedented level of individual comfort and control, Daikin's systems are redefining the experience of Absolute Comfort.



## WARNINGS

- Always use a licensed installer or contractor to install this product. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a licensed contractor to install those parts and accessories. Use of unauthorized parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

For any inquiries, contact your local Daikin sales office.



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The air conditioners manufactured by Daikin Industries have received ISO 9000 series certification for quality assurance.

Certificate Numbers:  
(ISO9001) JMI-0107 (ISO9002) JQA-1452  
JQA-1452



All Daikin Industries locations and subsidiaries in Japan have received environmental management system standard ISO14001 certification.

Daikin Industries, Ltd.  
Domestic Group  
Certificate Number: EC99J2044

### About ISO 14001

ISO 14001 is the standard defined by the International Organization for Standardization (ISO) relating to environmental management systems. Our group has been acknowledged by an internationally accredited compliance organization as having an appropriate program of environmental protection procedures and activities to meet the requirements of ISO 14001.



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Dealer Information

**PCGUSE06-06R**

Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications and information in this brochure without notice and without incurring any obligations.