



For over 35 years, we have been
making the hottest places cool and
the coolest places more comfortable.



Mini-Split Air Conditioners and Heat Pumps



THE POSSIBILITIES ARE INFINITE



Fujitsu, the **W.I.S.E.R.** choice

Warranty

2-years parts and 6-years compressor warranty standard on all models in this catalog.

Indoor Air Quality

Better indoor air quality with electronic plasma filtration that collects dust, cigarette smoke and pollen, as well as absorbs odors.

Size

Fujitsu's ductless are up to 39% than some other models.

IAQ - Indoor Air Quality

Houses, Apartments, Condominiums, Multi-Family Units

Fujitsu's I.A.Q. Systems provide residential and commercial property owners an innovative solution for clean, temperature-controlled indoor air. The Halcyon IAQ systems deliver powerful heating and cooling, are designed for ease of use and maintenance, and feature an unobtrusive design which can be integrated easily into any decor. The Halcyon IAQ systems filter dust, pollen and odor making them the perfect addition to any home.

Flush Mount - 4 Way Air Flow

Restaurants, Conference Rooms, Computer Rooms

Mounting flush with a suspended ceiling our ceiling cassettes can be recessed above with minimum clearance. When adequate clearance is not available our slender fit feature drops the indoor unit by 1-3/8" with a clean look providing additional clearance above the ceiling making them one of the slimmest cassettes available. Couple that with advanced design features like a built in condensate pump, knockouts available for field supplied branch ducts and automatic change-over from cooling to heating.



in ductless comfort.

Efficiency

Fujitsu's inverter-driven systems are up to 110% more efficient than older 10-SEER models. Increased efficiencies mean lower utility costs.

R410A

All systems use environmentally friendly R410A refrigerant designed to prevent the depletion of the ozone layer which protects us from the harmful rays of the sun.



Up to 4 Zone Capability

Doctors' Offices, Nursing Homes, Residential Housing

Fujitsu's multi-zone mini-split heat pump systems let contractors select either a 24 or 36,000 BTU outdoor unit combined with 9,000, 12,000 or 18,000 BTU wall mounted or concealed ceiling type indoor units to create the perfect climate control system for almost any size space. Create 41 different systems with only 8 components. Mix-and-match flexibility of evaporator type and capacity allows you to choose the indoor unit that best fits the application, whether it be hidden or showcased.



Fresh Air Intake

Schools, Churches, Warehouses, Large Spaces

Fujitsu has an attractive way to accommodate difficult-to-cool areas with a slim universal system that can be suspended from the ceiling, placed low on the wall or rested on the floor. For areas, when floor and wall space is restricted, Fujitsu's ceiling suspended system 36RSLX (ceiling mount only) can be partially recessed. Universal and ceiling suspended systems can access "fresh air".



How Does a Mini-Split Work?

Quiet Operation

Ductless air conditioners are comprised of an indoor and outdoor unit, which allows for a peaceful inside environment by enabling the contractor to install louder components like compressors and motors outdoors.

Easy Installation

Copper tubing running through a small 3 to 4-inch opening in the wall or ceiling easily connects the indoor and outdoor units. Refrigerant is cycled through the lines from the outdoor condensing unit to the indoor unit, where the air is quietly distributed to the interior space. Conventional air duct systems tend to be bulky and can require alterations to closets or walls to hide ductwork, while Halcyon system piping can often be routed through walls and joists to maintain aesthetics.

Energy Efficient

Fujitsu's mini-splits have high SEER ratings - the higher the SEER rating, the more energy efficient it is. Several models are Energy Star® Qualified, meaning they save you on your utility bill.



The Future of Technology

Ductless Mini-Splits

Cool air without ductwork. Since hot air rises and cold air falls by mounting the cooling section compactly on the wall, near the ceiling allows the unit to remove heat more efficiently and deliver cooling directly to the space where you need it. Automatic swing louvers and multiple fan speeds allow you to control the amount and direction of the airflow to maximize comfort.

Central Air Conditioners

Cold air originates many yards from its cooling destination, usually in a basement or a hot attic space. This means cold air, as it travels through ductwork, begins to warm up and can lose up to 40%* of its cooling capacity along the way. This adds up to extra money spent on energy bills cooling spaces you can't enjoy or don't occupy.

Window Air-Conditioners

Combine a noisy compressor section with the cooling coil and fan. This process transfers noise from the compressor section into the conditioned space. They may seem like a quick fix to the summer heat. But, they take up your window space and they deliver cold air across the middle of the room, where it blows uncomfortably, directly on the room occupants.

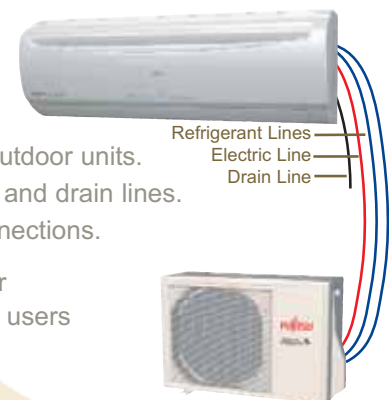
The Solution is Clear

- Cool only the areas you want and not the areas where you are not.
- Individual zoning at the push of a button, putting you in total comfort control.
- Less than 5% cooling loss occurs in insulated refrigerant lines versus up to 40%* through ducts.
- Requiring just a 3 to 4" diameter hole in the outside wall means less mess, better home aesthetics, and improved security, unlike a window unit.
- Halcyon models mount high on the wall so they don't disturb your view.
- Fujitsu units add value to your home and are more efficient than old window units, saving you money.

Installation is as simple as 1, 2, 3...

1. Mount indoor and outdoor units.
2. Connect refrigerant and drain lines.
3. Make electrical connections.

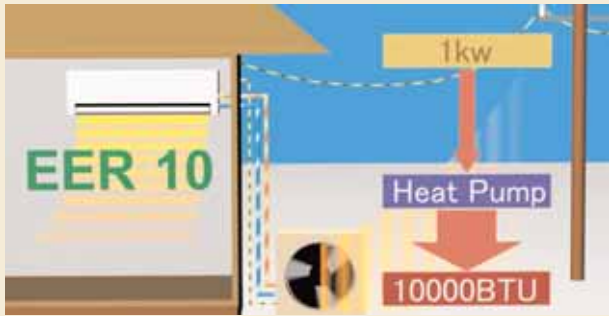
An easy installation for contractors saves end users time and money.



* Statistic taken from "Improving the Efficiency of Your Duct System", U.S. Department of Energy.



An electric heater converts electricity directly to heat, and if we assume that the heat loss is zero, the output from one kilowatt input is one kilowatt or 3,400 BTU and the EER is 3.4.



Heat pumps are more efficient than some other forms of heating because heat pumps do not actually create heat - they just move it from one place to another. For example, the output of an efficient 10 EER heat pump is triple that of an electric heater.

*EER (Energy Efficiency Rating) = Rated BTU capacity divided by total kW input.

What is a Heat Pump?

A device that acts as an air conditioner in the summer and as a heater in the winter providing heating and cooling to homes and businesses in one system. Heat pumps function exactly like an air conditioner in the summer absorbing heat from your home or business and moving it outdoors. The cost to cool a space with a heat pump is the same as with an air conditioner with the same efficiency rating. In the winter a heat pump is basically an air conditioner with a valve that allows it to operate in reverse, absorbing heat from the outside air and moving it indoors.

In some climates a heat pump may handle your heating and cooling needs more efficiently than a furnace or air conditioner. This system usually requires some other source of heat to satisfy heating requirements in colder environments. Because 75% of our line is inverter heat pumps they offer wider operating range and up to 30% more heat capacity than a standard heat pump.

Inverter Technology

What is an Inverter?

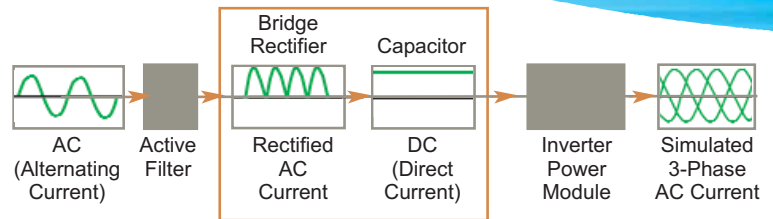
An inverter air conditioner is both a converter of AC (alternating current) to DC (direct current) and an inverter changing DC to simulated frequency adaptable AC.

The active filter and bridge rectifier rectifies AC by flattening output to create DC power supply. The IPM (Inverter Power Module) uses electrical components such as transistors and diodes to switch and chop created DC to make simulated AC at required frequency and voltage.

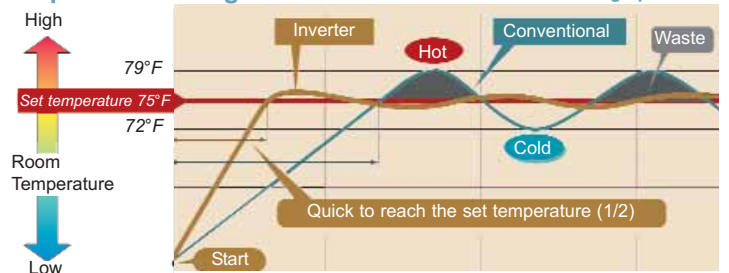
Inverter Mini-Split Benefits

Compared to the common on/off controlled compressor, the inverter controlled compressor runs at the proper revolution to provide the best efficiency and reduce losses. When the maximum capacity is not required, the compressor revolution is decreased. This means the input power decreases too, which results in increased system efficiency.

Another advantage of the inverter is "soft start". The compressor starts at minimum speed, avoiding high inrush current (4 to 6 times compressor full load amps) associated with conventional on-off type compressors. "Soft start" reduces the instantaneous peak demand associated with AC equipment starts.

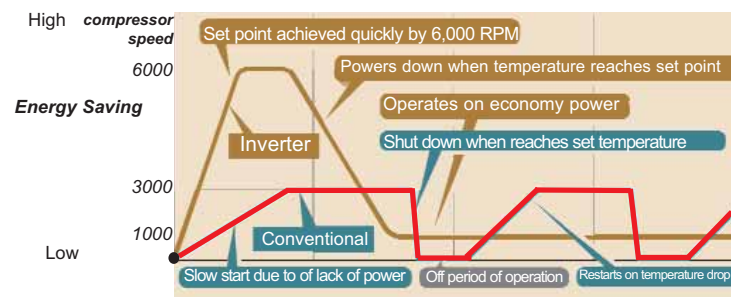


Temperature change of the room *Simulation in heating operation



Time to reach set temperature is cut in half. Inverter systems provide a more stable room temperature.

Compressor Operation



Features At A Glance

	9CQ	9RQ	9RLQ	12CQ	12RQ	12RLQ	15RLQ	18CL	18RLQ	24CL	24RLXQ	30CLX	30RLXQ	36CLX	18RULX	24RULX	36RSLX	18RCLX	24RCLX	36RCLX	42RCLX	24RMLQ1 (wall)	24RMLQ1 (others)	36RMLQ1 (wall)	36RMLQ1 (others)
SEER	14	14	21	13	13	21	20	19	19	18	17	15	15	15	16	15	14	16	15	14	15	16.5	16.5	15	15
HSPF	-	8.2	11	-	8.2	11	10	-	10	-	10	-	9.5	-	8.5	8.5	8.5	8.5	8.5	8.5	8.5	9	9	9	9
Plasma Filter	•	•	•	•	•	•	•		•		•		•									•		•	
Sleep Timer	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
24 Hour Timer	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Weekly Timer	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
Dry Mode	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Auto Louver: Up/ Down	•	•	•	•	•	•	•	•	•													•		•	
Auto Louver: 4 Way										•	•	•	•	•	•	•	•	•	•	•	•				
Auto Mode	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Energy Saver															□	□	□	•	•	•	•				
Quiet Mode	•	•	•	•	•	•	•	•	•	•	•	•	•	•								•		•	
Power Diffuser										•	•	•	•	•											
Auto Restart/Reset	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Auto Changeover		•	•		•	•	•		•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Low Ambient	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
0° Ambient											•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Long Piping Length (165'+)											•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cold Prevention		•	•		•	•	•		•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Slender Fit																		•	•	•	•				
Apple Catechin Filter								•		•		•		•											
Ion Deodorizing Filter								•		•		•		•											
Coil Dry Mode			•			•	•		•		•		•									•		•	
Wired/Wireless Switching	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
Remote Controller Sensor															□	□	□	•	•	•	•	□	•	□	•
Pump Down Operation												•		•	•	•	•	•	•	•	•	•	•	•	•
High Ceiling Mode															•	•	•	•	•	•	•		•		•
Branch Duct Capable																		•	•	•	•		•		•
Condensate Pump																		•	•	•	•				
Fresh Air Intake															•	•	•	•	•	•	•			•	•
Energy Star® Qualified	•	•	•			•	•															•*			

□ Available only with optional wired remote controller.

* The 9+9 wall mounted dual zone combination is the only model that is ENERGY STAR Qualified from the multi-zone line.





ENERGY STAR® Qualified

ENERGY STAR qualified products and practices help you save money and reduce greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy.

SEER

Seasonal Energy Efficiency Rating. Used to express the efficiency of an AC or Heat Pump. The higher the rating the more efficient.

HSPF

Heating Seasonal Performance Factor, measures the efficiency of heating portion of your heat pump.

IAQ Plasma Filter

High performance electronic air cleaner removes dust and odor, improving indoor air quality.

Sleep Timer

Automatically adjusts the temperature while you sleep to make you more comfortable.

24 Hour Timer

Four different time ranges can be programmed to provide flexible temperature control to meet your needs throughout the day.

Weekly Timer

Allows you to set on/off time twice a day and a different on/off time by day.

Dry Mode

Helps to control humidity levels when cooling may not be needed.

Auto Louver: Up/Down

Redirects airflow automatically with seven position up and down motion which can be set to auto swing.

Auto Louver: 4 Way

Redirects airflow automatically with up/down and left/right motion.

Auto Mode

System starts in high fan speed and automatically adjusts downward as room begins to reach set temperature.

Energy Saver

Keeps room cool enough for comfort by using a relaxed thermostat setting reducing power consumption.

Quiet Mode

An extra quiet fan speed to make sure you are not disturbed.

Power Diffuser

An additional louver that opens based on monitoring sensors to quickly enhance immediate comfort needs.

Auto Restart/Reset

Following a temporary power failure, systems will automatically restart in the same operating mode as before, once the power has been restored.

Auto Changeover

Provides functional change from cooling to heating or vice-versa automatically depending on set temperature. Operating range is $\pm 4^{\circ}\text{F}$ relative to the set temperature.

Low Ambient

Systems can operate in cooling mode even when outdoor ambient is 0°F , 14°F or 32°F , depending on model, without modification.

Cold Prevention

Indoor coil will warm prior to fan operating, preventing cold air during heating mode.

Slender Fit

Cassette body can be moved downward into the room 1-3/8" to accommodate limited ceiling space.

Apple Catechin Filter

Dust, mold spores and microorganisms are absorbed onto the filter by static electricity and growth is inhibited and deactivated by the polyphenol ingredient extracted from apples.

Ion Deodorizing Filter

The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultrafine particle ceramic.

Coil Dry Mode

After power is off, an internal drying function starts preventing the growth of mold and bacteria inside the indoor unit.

Wired/Wireless Switching

This switch must be enabled when installing the optional wired remote controller

Remote Controller Sensor

Room temperature sensor is located in optional wired remote controller only.

Pump Down Operation

Collects all refrigerant in the system back into the outdoor unit when the unit is to be moved or before servicing the refrigerant circuit.

High Ceiling Mode

Temperature at the top of a high ceiling room may be warmer than the space occupied; this mode allows system to adjust for this difference.

Branch Duct Capable

Systems are capable of attaching two field-supplied 4" branch ducts providing 50% of the cooling up to 16 feet away.

Fresh Air Intake

Outside air can be introduced by attaching field supplied flexible duct to fresh air knockouts.

Wall Mounted 9,000 and 12,000 BTU Systems

IAQ ELECTRONIC PLASMA FILTER SYSTEMS 9CQ, 9RQ, 12CQ, 12RQ



UP TO 14.3-SEER

Function

13 and 14-SEER cooling-only and heat pump systems have over a 30% increase in efficiency over conventional 10-SEER models and feature Indoor Air Quality IAQ Plasma Filter, environmentally friendly R410A refrigerant, quieter operation and increased energy efficiency.

Standard Features

- Wireless Remote Control
- Plasma Filter
- Sleep Timer
- 24 Hour Timer
- Dry Mode
- Auto Louver: Up/ Down
- Auto Mode
- Quiet Mode
- Auto Restart/Reset
- Low Ambient
- Cold Prevention



Optional Remote

- ❑ Weekly Timer
- ❑ Full Function Wired Remote
- ❑ Child Lock Capable

UTB-UUB



Applications

This category of equipment is ideal for smaller spaces where spot cooling is required. Residential applications including sunrooms and additions are made easier with these 115 volt air conditioners and heat pumps. Do you have a warm spot in your home? Our mini-splits can provide extra cooling capacity for those hard to cool areas. Commercially, their small size makes them ideal for small offices, providing individual temperature control.

	9CQ Cooling Only		12CQ Cooling Only		9RQ Heat Pump		12RQ Heat Pump	
Nominal Cooling BTU/h	9,700		12,300		9,700		12,300	
Nominal Heating BTU/h	-		-		9,600		12,800	
HSPF BTU/hW	-		-		8.2		8.2	
SEER BTU/hW	14.3		13.5		14.3		13.7	
EER Clg/Htg	11.8		11.6		11.8/13.9		11.5/12.9	
Clg. Operating Range °F(°C)	32~115 (0~46)		32~115 (0~46)		32~115 (0~46)		32~115 (0~46)	
Htg. Operating Range °F(°C)	-		-		17~75 (-8~24)		17~75 (-8~24)	
Moisture Removal Pt.h(l/h)	2.1 (1.0)		3.2 (1.5)		2.1 (1.0)		3.2 (1.5)	
Voltage/Frequency/Phase	115/60/1		115/60/1		115/60/1		115/60/1	
Recommended Fuse Size (A)	15		20		15		20	
Air Circ. C.F.M. (m³/h): Hi	324 (550)		383 (650)		324 (550)		383 (650)	
Medium	271 (460)		324 (550)		271 (460)		324 (550)	
Low	241 (410)		265 (450)		241 (410)		265 (450)	
Quiet	200 (340)		206 (350)		200 (340)		206 (350)	
Noise Level dB(A): Hi	40		45		38		42	
Medium	36		40		34		37	
Low	31		35		29		32	
Quiet	26		28		25		27	
Outdoor Fan Speed RPM	640		770		640		770	
Outdoor Noise Level dB(A)	43		45		43/45 (Clg/Htg)		45/46 (Clg/Htg)	
Current (A): Cooling	7.6		9.8		7.6		9.9	
Heating	-		-		6.5		9.2	
Power Use (kw): Cooling	0.82		1.06		0.82		1.07	
Heating	-		-		0.69		0.99	
Fan Speeds Stage	4 + Auto		4 + Auto		4 + Auto		4 + Auto	
Air Direction: Horizontal	Manual		Manual		Manual		Manual	
Vertical	Automatic		Automatic		Automatic		Automatic	
Air Filter	Washable		Washable		Washable		Washable	
Plasma Filter	Yes		Yes		Yes		Yes	
Connection Method	Flare		Flare		Flare		Flare	
Combined Max. Lgth Ft (m)	49 (15)		49 (15)		49 (15)		49 (15)	
Max. Vertical Diff. Ft (m)	26 (8)		26 (8)		26 (8)		26 (8)	
Conn. Pipe Diameter Inch	Suc. 3/8	Dis. 1/4	Suc. 3/8	Dis. 1/4	Suc. 3/8	Dis. 1/4	Suc. 3/8	Dis. 1/4
Net Weight lbs. (kg)	21 (9.5)	68 (31)	21 (9.5)	77 (35)	21 (9.5)	71 (32)	21 (9.5)	79 (36)
Dimensions: Height Inch	11-1/8	21-3/8	11-1/8	21-3/8	11-1/8	21-3/8	11-1/8	21-3/8
mm	283	540	283	540	283	540	283	540
Width Inch	31-1/8	31-1/8	31-1/8	31-1/8	31-1/8	31-1/8	31-1/8	31-1/8
mm	790	790	790	790	790	790	790	790
Depth Inch	9-1/8	11-1/2	9-1/8	11-1/2	9-1/8	11-1/2	9-1/8	11-1/2
mm	230	290	230	290	230	290	230	290
Refrigerant	R410A		R410A		R410A		R410A	
	Indoor ASU9CQ	Outdoor AOU9CQ	Indoor ASU12CQ	Outdoor AOU12CQ	Indoor ASU9RQ	Outdoor AOU9RQ	Indoor ASU12RQ	Outdoor AOU12RQ



Up to 21-SEER Wall Mounted 9, 12 and 15,000 BTU Systems

SUPER ENERGY EFFICIENCIES SYSTEMS 9RLQ, 12RLQ, 15RLQ

	9RLQ Heat Pump	12RLQ Heat Pump	15RLQ Heat Pump
Nominal Cooling BTU/h	9,000	12,000	15,000
Min.~Max. Cooling BTU/h	3,600~12,000	3,800~14,500	5,500~17,000
Nominal Heating BTU/h	12,000	16,000	18,000
Min.~Max. Heating BTU/h	3,000~18,000	3,100~21,000	4,600~25,000
HSPF BTU/hW	11.0	10.55	10.0
SEER BTU/hW	21.0	21.0	20.0
EER Clg/Htg	13.4/14.5	12.5/12.8	12.5/12.6
Clg. Operating Range °F(°C)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)
Htg. Operating Range °F(°C)	5~75 (-15~24)	5~75 (-15~24)	5~75 (-15~24)
Moisture Removal Pt./h(l/h)	2.7 (1.3)	3.8 (1.8)	4.4 (2.1)
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1	208-230/60/1
Recommended Fuse Size (A)	20	20	20
Air Circ. C.F.M. (m ³ /h):			
Hi	350 (595)	374 (635)	412 (700)
Medium	280 (476)	300 (510)	341 (580)
Low	224 (381)	240 (408)	270 (460)
Quiet	180 (306)	192 (326)	218 (370)
Noise Level dB(A):			
Hi	42/42 (Clg/Htg)	43/43 (Clg/Htg)	45/42 (Clg/Htg)
Medium	37/37 (Clg/Htg)	37/37 (Clg/Htg)	39/38 (Clg/Htg)
Low	31/30 (Clg/Htg)	31/30 (Clg/Htg)	33/33 (Clg/Htg)
Quiet	22/22 (Clg/Htg)	22/22 (Clg/Htg)	25/27 (Clg/Htg)
Outdoor Fan Speed RPM Clg/Htg	760/680	760/680	860/820
Outdoor Noise Level dB(A)	47/48 (Clg/Htg)	47/49 (Clg/Htg)	49/49 (Clg/Htg)
Current Rated/Max (A):			
Cooling	3.2/6.0	4.5/7.0	5.3/9.0
Heating	3.9/8.5	5.7/10.0	6.3/13.5
Power Use Rated/Max (kw):			
Cooling	0.67/1.2	0.96/1.5	1.2/1.9
Heating	0.83/1.8	1.25/2.14	1.43/2.85
Fan Speeds Stage	4 + Auto	4 + Auto	4 + Auto
Air Direction: <i>Horizontal</i>	Manual	Manual	Manual
Vertical	Automatic	Automatic	Automatic
Air Filter	Washable	Washable	Washable
Plasma Filter	Yes	Yes	Yes
Connection Method	Flare	Flare	Flare
Combined Max. Lgth Ft (m)	66 (20)	66 (20)	66 (20)
Max. Vertical Diff. Ft (m)	49 (15)	49 (15)	49 (15)
Conn. Pipe Diameter Inch	Suc. 3/8 Dis. 1/4	Suc. 3/8 Dis. 1/4	Suc. 1/2 Dis. 1/4
Net Weight lbs. (kg)	21 (9.5)	77 (35)	21 (9.5)
Dimensions: Height Inch	11-1/8	21-1/4	11-1/8
mm	283	540	283
Width Inch	31-1/8	31-1/8	31-1/8
mm	790	790	790
Depth Inch	9-1/16	11-7/16	9-1/16
mm	230	290	230
Refrigerant	R410A	R410A	R410A
	Indoor ASU9RLQ Outdoor AOU9RLQ	Indoor ASU12RLQ Outdoor AOU12RLQ	Indoor ASU15RLQ Outdoor AOU15RLQ



UP TO 21-SEER

Function

These systems are true energy misers with a seasonal energy efficiency rating of up to 21-SEER. These heat pump systems are over 80% more efficient than 13-SEER models. Fujitsu uses variable speed inverter technology to help achieve some of the highest SEER equipment available.

Standard Features

- Wireless Remote Control
- Plasma Filter
- Sleep Timer
- 24 Hour Timer
- Dry Mode
- Auto Louver: Up/ Down
- Auto Mode
- Quiet Mode
- Auto Restart/Reset
- Auto Changeover
- Low Ambient
- Cold Prevention



Optional Remote

- ❑ Weekly Timer
- ❑ Full Function Wired Remote
- ❑ Child Lock Capable



Applications

The high efficiency of these systems helps them pay for themselves by slashing electrical costs. Strong, quiet and efficient DC motors are used both indoors and outdoors. High performance fan blades, condensers and evaporators combined with variable speed inverter-driven compressors makes for unmatched performance. Variable speed compressors automatically adjust to fluctuating room capacity requirements.

Note: Figures are based on 230 Volts.

Please Note: Due to the use of inverter, system is now 208-230 single phase.

Wall Mounted 18,000 BTU Systems

ENGINEERING SOPHISTICATION SYSTEMS 18CL, 18RLQ



19-SEER

Function

19-SEER cooling-only and heat pump systems provide almost a 60% increase in efficiency over conventional 13-SEER models and feature ultra compact size, R410A refrigerant, quieter operation and increased energy efficiency. Indoor units are over 30% smaller than competing units, making them easier to install in more locations.

Standard Features

- Wireless Remote Control
- Sleep Timer
- 24 Hour Timer
- Dry Mode
- Auto Louver: Up/ Down
- Auto Mode
- Quiet Mode
- Auto Restart/Reset
- Auto Changeover
- Low Ambient
- Cold Prevention
- Apple Catechin Filter (18CL)
- Ion Deodorizing Filter (18CL)
- Plasma Filter (18RLQ)
- Coil Dry Mode

Optional Remote

- ❑ Weekly Timer
- ❑ Full Function Wired Remote
- ❑ Child Lock Capable



Applications

Clean, aesthetic design, small but mighty indoor units are 18-24" shorter in length than competing units, helping them blend into any room. Ideal for spaces requiring additional capacity but are limited on space. The flexibility of the variable speed compressor helps system adapt to shifts in heat load by additional guests or afternoon sun. This heat pump provides 17% additional available heat when compared to conventional models.

	18CL Cooling Only	18RLQ Heat Pump
Nominal Cooling BTU/h	18,000	18,000
Min.~Max. Cooling BTU/h	5,500~19,000	5,500~19,000
Nominal Heating BTU/h	-	21,600
Min.~Max. Heating BTU/h	-	4,600~29,000
HSPF BTU/hW	-	10.0
SEER BTU/hW	19.0	19.0
EER Clg/Htg	10.4	10.4/11.2
Clg. Operating Range °F(°C)	14~115 (-10~46)	14~115 (-10~46)
Htg. Operating Range °F(°C)	-	5~75 (-15~24)
Moisture Removal Pt./h(l/h)	5.9 (2.8)	5.9 (2.8)
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1
Recommended Fuse Size (A)	20	20
Air Circ. C.F.M. (m ³ /h): Hi	412 (700)	412 (700)
Medium	342 (581)	341 (580)
Low	271 (460)	270 (460)
Quiet	218 (370)	218 (370)
Noise Level dB(A): Hi	44	45/42 (Clg/Htg)
Medium	38	39/38 (Clg/Htg)
Low	32	33/33 (Clg/Htg)
Quiet	25	25/27 (Clg/Htg)
Outdoor Fan Speed RPMClg/Htg	860	860/820
Outdoor Noise Level dB(A)	50	50/50 (Clg/Htg)
Current Rated/Max (A): Cooling	7.7/9.0	7.7/9.0
Heating	-	8.6/13.5
Power Use Rated/Max (kw): Cooling	1.73/2.0	1.73/2.0
Heating	-	1.93/2.93
Fan Speeds Stage	4 + Auto	4 + Auto
Air Direction: Horizontal	Manual	Manual
Vertical	Automatic	Automatic
Air Filter	Washable	Washable
Plasma Filter	No	Yes
Connection Method	Flare	Flare
Combined Max. Lgth Ft (m)	66 (20)	66 (20)
Max. Vertical Diff. Ft (m)	49 (15)	49 (15)
Conn. Pipe Diameter Inch	Suc. 1/2 Dis. 1/4	Suc. 1/2 Dis. 1/4
Net Weight lbs. (kg)	20 (9)	88 (40)
Dimensions: Height Inch	10-13/16	22-3/4
mm	275	578
Width Inch	31-1/8	31-1/8
mm	790	790
Depth Inch	8-7/16	11-13/16
mm	215	300
Refrigerant	R410A	R410A
	Indoor ASU18CL	Outdoor AOU18CL
	Indoor ASU18RLQ	Outdoor AOU18RLQ

Note: Figures are based on 230 Volts.



Wall Mounted 24, 30, and 36,000 BTU Systems

ULTRA COMPACT SIZE SYSTEMS 24CL, 24RLXQ, 30CLX, 30RLXQ, 36CLX



Up to 18-SEER

	24CL Cooling Only	24RLXQ Heat Pump NEW for 2008	30CLX Cooling Only	30RLXQ Heat Pump NEW for 2008	36CLX Cooling Only
Nominal Cooling BTU/h	24,200	24,200	30,700	30,600	33,100
Min.-Max. Cooling BTU/h	5,200~26,000	9,900~27,300	9,900~32,400	9,900~32,400	9,900~34,100
Nominal Heating BTU/h	-	27,600	-	32,000	-
Min.-Max. Heating BTU/h	-	7,500~36,200	-	7,500~37,500	-
HSPF BTU/hW	-	10.0	-	9.5	-
SEER BTU/hW	18.0	17.0	15.0	15	15.0
EER Clg/Htg	10.5	11.1/11.6	8.9	7.9/10.7	8.2
Clg. Operating Range °F(°C)	14~115 (-10~46)	0~115 (-18~46)	14~115 (-10~46)	0~115 (-18~46)	14~115 (-10~46)
Htg. Operating Range °F(°C)	-	0~75 (-18~24)	-	0~75 (-18~24)	-
Moisture Removal Pt./h(l/h)	5.3 (2.5)	6.3 (3.0)	9.7 (4.6)	9.5 (4.5)	10.1 (4.8)
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Recommended Fuse Size (A)	25	30	30	30	30
Air Circ. C.F.M. (m ³ /h): Hi	647 (1,100)	689 (1,170)	647 (1,100)	689 (1,170)	706 (1,200)
Medium	530 (900)	590 (1,000)	530 (900)	590 (1,000)	530 (900)
Low	436 (740)	484 (820)	436 (740)	484 (820)	436 (740)
Quiet	365 (620)	404 (685)	365 (620)	404 (685)	365 (620)
Noise Level dB(A): Hi	47	49	47	49	49
Medium	41	44	41	44	41
Low	36	39	36	39	36
Quiet	32	34/35 (Clg/Htg)	32	34/36 (Clg/Htg)	32
Outdoor Fan Speed RPM Clg/Htg	1,000	850/900	850	850/900	850
Outdoor Noise Level dB(A)	52	54/55 (Clg/Htg)	53	54/55 (Clg/Htg)	54
Current Rated/Max (A): Cooling	10.1/12.0	9.6/15	15.2/18.0	17.0/18.5	17.7/19.0
Heating	-	10.5/15.5	-	13.2/18.5	-
Power Use Rated/Max (kw): Cooling	2.3/2.6	2.18/3.42	3.5/4.1	3.86/4.22	4.0/4.3
Heating	-	2.38/3.53	-	3.00/4.22	-
Fan Speeds Stage	4 + Auto	4 + Auto	4 + Auto	4 + Auto	4 + Auto
Air Direction: Horizontal	Automatic	Automatic	Automatic	Automatic	Automatic
Vertical	Automatic	Automatic	Automatic	Automatic	Automatic
Air Filter	Washable	Washable	Washable	Washable	Washable
Plasma Filter	No	Yes	No	Yes	No
Connection Method	Flare	Flare	Flare	Flare	Flare
Combined Max. Lgth Ft (m)	98 (30)	164 (50)	164 (50)	164 (50)	164 (50)
Max. Vertical Diff. Ft (m)	66 (20)	98 (30)	98 (30)	98 (30)	98 (30)
Conn. Pipe Diameter Inch	Suc. 5/8 Dis. 1/4	Suc. 5/8 Dis. 3/8	Suc. 5/8 Dis. 3/8	Suc. 5/8 Dis. 3/8	Suc. 5/8 Dis. 3/8
Net Weight lbs. (kg)	31 (14) 97 (44)	31 (14) 137(62)	31 (14) 137(62)	31 (14) 137(62)	31 (14) 137(62)
Dimensions: Height Inch	12-5/8 22-3/4	12-5/8 32-3/4	12-5/8 32-3/4	12-5/8 32-3/4	12-5/8 32-3/4
mm	320 578	320 830	320 830	320 830	320 830
Width Inch	39-1/4 31-1/8	39-1/4 35-3/8	39-1/4 35-3/8	39-1/4 35-3/8	39-1/4 35-3/8
mm	998 790	998 900	998 900	998 900	998 900
Depth Inch	9 12-3/8	9 13	9 13	9 13	9 13
mm	228 315	228 300	228 330	228 300	228 330
Refrigerant	R410A	R410A	R410A	R410A	R410A
	Indoor ASU24CL Outdoor AOU24CL	Indoor ASU24RLXQ Outdoor AOU24RLXQ	Indoor ASU30CLX Outdoor AOU30CLX	Indoor ASU30RLXQ Outdoor AOU30RLXQ	Indoor ASU36CLX Outdoor AOU36CLX

Note: Figures are based on 230 Volts.



* Only available on Systems 24RLXQ and 30RLXQ.

• Only available on Systems 24CL, 30CLX, 36CLX.

**Contractor feature only. Only available on Systems 30CLX and 36CLX.

Function

Ultra compact yet efficient, these systems provide maximum cooling in 30% less space while saving you money.

Standard Features

- Wireless Remote Control
- Sleep Timer
- 24 Hour Timer
- Dry Mode
- Auto Louver: 4 Way
- Auto Mode
- Quiet Mode
- Power Diffuser
- Auto Restart/Reset
- Low Ambient
- Cold Prevention
- Apple Catechin Filter *
- Ion Deodorizing Filter *
- Plasma Filter*
- Coil Dry Mode*
- Pump Down Operation**
- Auto Changeover

Optional Remote

- ▣ Weekly Timer
- ▣ Full Function Wired Remote
- ▣ Child Lock Capable

Applications

The flexibility of the variable speed compressor helps system adapt to shifts in heat load by occupants or fluctuating heat generated by computers. This heat pump provides 13% additional available heat when compared to conventional models.

Mix & Match Multi-Zone Systems

DUAL, TRI AND QUAD ZONE SYSTEMS



New lineup for 2008

Up to 16.5-SEER*

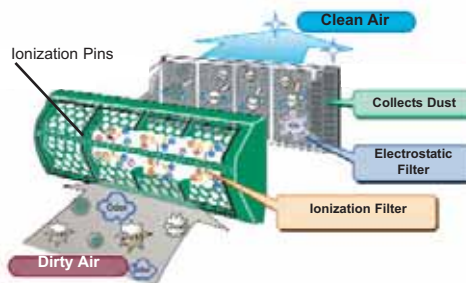
Multi-Zone, Outdoor Condensing Units		
Model	SEER	HSPF
AOU24RML1	16.5	9.0
AOU36RML1	15.0	9.0

Function

Up to 16.5-SEER* in efficiency, our heat pump systems have up to a 35% increase in efficiency over conventional 13-SEER models. Wall mount models feature Indoor Air Quality (IAQ) Plasma Filters. All models offer R410A refrigerant, quiet operation, increased energy efficiency and up to four zones cooled or heated by one outdoor unit.



PLASMA AIR FILTER (wall mounted units)



High performance electronic air cleaner removes dust and odor, improving indoor air quality.

Standard Features

- Plasma Filter**
- Sleep Timer
- 24 Hour Timer
- Dry Mode
- Auto Louver: Up/ Down**
- Quiet Mode**
- Auto Restart/Reset
- Auto Changeover
- Low Ambient
- Cold Prevention
- Coil Dry Mode
- Pump Down Operation

*SEER rating depends on combination of indoor units.

**Available on wall mounted evaporator only.

Optional Remote (for wall mounted units)

Concealed ceiling type units include a wired remote control standard.

- ❑ Full Function Wired Remote
- ❑ Remote Control Thermo Sensor
- ❑ Child Lock Capable



Applications




























Contractors can select either a 24 or 36,000 BTU outdoor unit combined with 9,000, 12,000 or 18,000 BTU wall mounted or concealed ceiling type indoor units. Create 41 different systems with only 8 components. Mix-and-match flexibility of evaporator type and capacity allows you to choose the indoor unit that best fits the application, whether it be hidden or showcased. These systems are ideal for nursing homes, doctor's offices, condominiums, apartments and residences - any place where individual cooling or heating is needed.




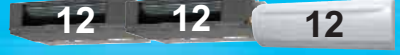















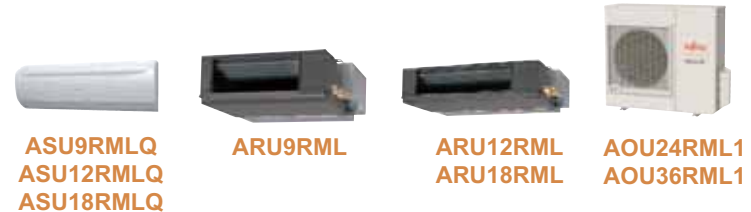
Multi-Zone, Wall Mounted				
CFMs				
Model	Hi Clg/Htg	Med Clg/Htg	Low Clg/Htg	Quiet Clg/Htg
ASU9RMLQ	312/312	271/271	224/241	194/206
ASU12RMLQ	365/365	318/318	265/282	224/241
ASU18RMLQ	377/377	347/347	294/294	253/253

Multi-Zone, Concealed Ceiling Type				
Model	CFMs			Static Pressure
	Hi Clg/Htg	Med Clg/Htg	Low Clg/Htg	Hi/Med/Low (in.WG)
ARU9RML	294/294	241/241	218/218	0/0/0
	250/250	210/210	195/195	.16/.10/.08
ARU12RML	412/412	377/377	324/324	0/0/0
	305/305	280/280	250/250	.16/.13/.10
ARU18RML	494/494	412/412	377/377	0/0/0
	380/380	325/325	290/290	.16/.14/.12

Condenser BTU Allowable Indoor Combinations Condenser BTU Allowable Indoor Combinations

 24 SEER: 16.5 HSPF: 9.0	18,000		
			
			
	21,000		
			
			
	24,000		
			
			
	 36 SEER: 15.0 HSPF: 9.0	27,000	
			
			
			
30,000			
			
			
			
			
			
33,000			
			
			
			
			
			

 36 SEER: 15.0 HSPF: 9.0	36,000	
		
		
		
	36,000	
		
		
		
		
		
	36,000	
		
		
		
		
		





	9+9		9+12		12+12	
	Wall Mounted	Others	Wall Mounted	Others	Wall Mounted	Others
Total Min/Nom/Max Clg BTU/h	11k/19k/22.6k	11k/18k/22.6k	11k/21.4k/26k	11k/21k/26k	11k/24k/27.6k	11k/23.8k/27.6k
Total Min/Nom/Max Htg BTU/h	11k/22k/26k	11k/22k/26k	11k/25k/32k	11k/25k/32k	11k/28k/33k	11k/28k/33k
Min/Nom/Max Clg 9,000 BTU/h Ea.	5.1k/9.5k/11.3k	5.1k/9.5k/11.3k	5.1k/9.5k/11.3k	5.1k/9.5k/11.3k	-	-
Min/Nom/Max Htg 9,000 BTU/h Ea.	5.1k/11k/13k	5.1k/11k/13k	5.1k/11k/13k	5.1k/11k/13k	-	-
Min/Nom/Max Clg 12,000 BTU/h Ea.	-	-	5.1k/12k/13.6k	5.1k/12k/13.6k	5.1k/12k/13.6k	5.1k/12k/13.6k
Min/Nom/Max Htg 12,000 BTU/h Ea.	-	-	5.1k/14k/15.4k	5.1k/14k/15.4k	5.1k/14k/15.4k	5.1k/14k/15.4k
HSPF BTU/hW	9	9	9		9	
SEER BTU/hW	16.5	16.5	16.5		16.5	
EER Clg/Htg	12.2/12.5	11.1/11.2	11.1/12.3	10.6/10.6	10.4/11.9	9.9/10.9
Clg Operating Range F°(C°)	32~115 (0~46)	32~115 (0~46)	32~115 (0~46)		32~115 (0~46)	
Htg Operating Range F°(C°)	14~75 (-10~24)	14~75 (-10~24)	14~75 (-10~24)		14~75 (-10~24)	
Moisture Removal Pt./h(l/h)	3.4 (1.6)	3.8 (1.9)	4.0 (1.9)	4.4 (2.1)	4.6 (2.2)	5.0 (2.4)
Voltage(V)/Frequency(Hz)/Phase	208~230/60/1	208~230/60/1	208~230/60/1		208~230/60/1	
Recommended Fuse Size (A)	20	20	20		20	
Air Circ. C.F.M.: Hi/Med/Lo/Quiet 9,000 BTU Ea.	312/271/224/194	294/241/218/-	312/271/224/194	294/241/218/-	-	-
Air Circ. C.F.M.: Hi/Med/Lo/Quiet 12,000 BTU Ea.	-	-	365/318/265/224	412/377/324/-	365/318/265/224	412/377/324/-
Noise Level dB(A): Hi/Med/Lo/Quiet 9,000 BTU Ea.	37/33/27/24	39/35/32/-	37/33/27/24	39/35/32/-	-	-
Noise Level dB(A): Hi/Med/Lo/Quiet 12,000 BTU Ea.	-	-	42/38/32/27	36/34/31/-	42/38/32/27	36/34/31/-
Outdoor Fan Air Flow Rate CFM (Clg/Htg)	1,883/1,883	1,883/1,883	1,883/1,883		1,883/1,883	
Outdoor Noise Level dB(A) (Clg/Htg)	50/51	50/51	50/51		50/51	
Current Rated/Max (A): Cooling	6.8/8.3	7.1/9.0	8.4/11.4	8.7/11.8	10.1/12.0	10.5/13.5
Heating	7.7/9.2	8.6/10.7	8.9/12.0	10.3/14.0	10.3/12.0	11.3/14.0
Power Use Rated/Max (kw): Cooling	1.56/1.90	1.62/2.05	1.92/2.60	1.99/2.70	2.30/2.75	2.40/3.10
Heating	1.76/2.10	1.97/2.45	2.04/2.75	2.36/3.20	2.35/2.75	2.58/3.20
Fan Speeds Stage	4+Auto	-	4+Auto	-	4+Auto	-
Air Direction: Horizontal	Manual	-	Manual	-	Manual	-
Vertical	Automatic	-	Automatic	-	Automatic	-
Air Filter	Washable	Washable	Washable		Washable	
Plasma Filter	Yes	No	Yes	No	Yes	No
Connection Method	Flare	Flare	Flare		Flare	
Total Max. Lgth Ft. (m)	98 (30)	98 (30)	98 (30)		98 (30)	
Combined Maximum Lgth Ea. Ft. (m)	82 (25)	82 (25)	82 (25)		82 (25)	
Max. Vertical Diff. Ft. (m)	33 (10)	33 (10)	33 (10)		33 (10)	
Refrigerant	410A	410A	410A		410A	

TRI-ZONE HEAT PUMP

	9+9+9		12+9+9		12+12+9	
	Wall Mounted	Others	Wall Mounted	Others	Wall Mounted	Others
Total Min/Nom/Max Clg BTU/h	11k/27.6k/33k	11k/27.6k/33k	11k/30.4k/33.8k	11k/30k/33.8k	11k/33k/34.6	11k/32.4k/34.6k
Total Min/Nom/Max Htg BTU/h	11k/33k/40.2k	11k/33k/40.2k	11k/35.4k/40.6k	11k/35.4k/40.6k	11k/37k/41k	11k/37k/41k
Min/Nom/Max Clg 9,000 BTU/h Ea.	5.1k/9.5k/11.3k	5.1k/9.5k/11.3k	5.1k/9.5k/11.3k	5.1k/9.5k/11.3k	5.1k/9.5k/11.3k	5.1k/9.5k/11.3k
Min/Nom/Max Htg 9,000 BTU/h Ea.	5.1k/11k/13k	5.1k/11k/13k	5.1k/11k/13k	5.1k/11k/13k	5.1k/11k/13k	5.1k/11k/13k
Min/Nom/Max Clg 12,000 BTU/h Ea.	-	-	5.1k/12k/13.6k	5.1k/12k/13.6k	5.1k/12k/13.6k	5.1k/12k/13.6k
Min/Nom/Max Htg 12,000 BTU/h Ea.	-	-	5.1k/14k/15.4k	5.1k/14k/15.4k	5.1k/14k/15.4k	5.1k/14k/15.4k
HSPF BTU/hW	9		9		9	
SEER BTU/hW	15		15		15	
EER Clg/Htg	10.0/11.1	9.7/10.2	9.2/11.4	8.8/9.7	8.8/11.2	8.3/9.7
Clg Operating Range F°(C°)	32~115 (0~46)		32~115 (0~46)		32~115 (0~46)	
Htg Operating Range F°(C°)	14~75 (-10~24)		14~75 (-10~24)		14~75 (-10~24)	
Moisture Removal Pt./h(l/h)	3.4 (1.6)		3.8 (1.9)		4.0 (1.9)	
Voltage(V)/Frequency(Hz)/Phase	208~230/60/1		208~230/60/1		208~230/60/1	
Recommended Fuse Size (A)	30		30		30	
Air Circ. C.F.M.: Hi/Med/Lo/Quiet 9,000 BTU Ea.	312/271/224/194	294/241/218/-	312/271/224/194	294/241/218/-	312/271/224/194	294/241/218/-
Air Circ. C.F.M.: Hi/Med/Lo/Quiet 12,000 BTU Ea.	-	-	365/318/256/224	412/377/324/-	365/318/256/224	412/377/324/-
Noise Level dB(A): Hi/Med/Lo/Quiet 9,000 BTU Ea.	37/33/27/24	39/35/32/-	37/33/27/24	39/35/32/-	37/33/27/24	39/35/32/-
Noise Level dB(A): Hi/Med/Lo/Quiet 12,000 BTU Ea.	-	-	42/38/32/27	36/34/31/-	42/38/32/27	36/34/31/-
Outdoor Fan Air Flow Rate CFM (Clg/Htg)	2,119/2,237		2,119/2,237		2,119/2,237	
Outdoor Noise Level dB(A) (Clg/Htg)	51/53		51/53		51/53	
Current Rated/Max (A): Cooling	12.0/16.4	12.4/16.4	14.4/18.0	14.8/19.1	16.4/18.0	17.0/19.1
Heating	13.0/16.6	14.2/18.8	13.5/18.0	16.0/18.8	14.5/18.0	16.6/18.8
Power Use Rated/Max (kw): Cooling	2.75/3.74	2.85/3.74	3.30/4.10	3.4/4.38	3.75/4.10	3.9/4.38
Heating	2.96/3.80	3.25/4.30	3.10/4.10	3.65/4.30	3.30/4.10	3.8/4.3
Fan Speeds Stage	4+Auto	-	4+Auto	-	4+Auto	-
Air Direction: Horizontal	Manual	-	Manual	-	Manual	-
Vertical	Automatic	-	Automatic	-	Automatic	-
Air Filter	Washable		Washable		Washable	
Plasma Filter	Yes	No	Yes	No	Yes	No
Connection Method	Flare		Flare		Flare	
Total Max. Lgth Ft. (m)	230 (70)		230 (70)		230 (70)	
Combined Maximum Lgth Ea. Ft. (m)	82 (25)		82 (25)		82 (25)	
Max. Vertical Diff. Ft. (m)	49 (15)		49 (15)		49 (15)	
Refrigerant	410A		410A		410A	

Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your contractor for details or visit www.energystar.gov. The 9+9 wall mounted dual zone combination is the only model that is ENERGY STAR Qualified from the multi-zone line.

TRI-ZONE HEAT PUMP

QUAD-ZONE HEAT PUMP

12+12+12

18+9+9

9+9+9+9

	12+12+12		18+9+9		9+9+9+9	
	Wall Mounted	Others	Wall Mounted	Others	Wall Mounted	Others
Total Min/Nom/Max Clg BTU/h	11k/35k/35.6k	11k/34k/35.6k	11k/35.2k/36k	11k/34.2k/36k	11k/35.2k/36k	11k/35.2k/36k
Total Min/Nom/Max Htg BTU/h	11k/37.2k/42k	11k/37.2k/42k	11k/37.2k/42k	11k/37.2k/42k	11k/36.4k/42k	11k/36.4k/42k
Min/Nom/Max Clg 9,000 BTU/h Ea.	-	-	5.1k/9.5k/11.3k	5.1k/9.5k/11.3k	5.1k/9.5k/11.3k	5.1k/9.5k/11.3k
Min/Nom/Max Htg 9,000 BTU/h Ea.	-	-	5.1k/11k/13k	5.1k/11k/13k	5.1k/11k/13k	5.1k/11k/13k
Min/Nom/Max Clg 12,000 BTU/h Ea.	5.1k/12k/13.6k	5.1k/12k/13.6k	-	-	-	-
Min/Nom/Max Htg 12,000 BTU/h Ea.	5.1k/14k/15.4k	5.1k/14k/15.4k	-	-	-	-
Min/Nom/Max Clg 18,000 BTU/h Ea.	-	-	6.1k/17.8k/19k	6.1k/17.8k/19k	-	-
Min/Nom/Max Htg 18,000 BTU/h Ea.	-	-	5.5k/20.5k/23k	5.5k/20.5k/23k	-	-
HSPF BTU/hW	9		9		9	
SEER BTU/hW	15		15		15	
EER Clg/Htg	8.8/11.3	8.2/10.2	8.8/11.3	8.2/10.6	8.8/12.1	8.5/11.0
Clg Operating Range F°(C°)	32~115 (0~46)		32~115 (0~46)		32~115 (0~46)	
Htg Operating Range F°(C°)	14~75 (-10~24)		14~75 (-10~24)		14~75 (-10~24)	
Moisture Removal Pt./h(l/h)	6.9 (3.3)	7.5 (3.6)	8.3 (3.9)	7.2 (3.4)	6.8 (3.2)	7.6 (3.6)
Voltage(V)/Frequency(Hz)/Phase	208~230/60/1		208~230/60/1		208~230/60/1	
Recommended Fuse Size (A)	30		30		30	
Air Circ. C.F.M.: Hi/Med/Lo/Quiet 9,000 BTU Ea.	-	-	312/271/224/194	294/241/218/-	312/271/224/194	294/241/218/-
Air Circ. C.F.M.: Hi/Med/Lo/Quiet 12,000 BTU Ea.	312/271/224/194	294/241/218/-	-	-	-	-
Air Circ. C.F.M.: Hi/Med/Lo/Quiet 18,000 BTU Ea.	-	-	377/347/294/253	494/412/377/-	-	-
Noise Level dB(A): Hi/Med/Lo/Quiet 9,000 BTU Ea.	-	-	37/33/27/24	39/35/32/-	37/33/27/24	39/35/32/-
Noise Level dB(A): Hi/Med/Lo/Quiet 12,000 BTU Ea.	42/38/32/27	36/34/31/-	-	-	-	-
Noise Level dB(A): Hi/Med/Lo/Quiet 18,000 BTU Ea.	-	-	44/42/38/33	40/36/34/-	-	-
Outdoor Fan Air Flow Rate CFM (Clg/Htg)	2,119/2,237		2,119/2,237		2,119/2,237	
Outdoor Noise Level dB(A) (Clg/Htg)	51/53		51/53		51/53	
Current Rated/Max (A): Cooling	17.5/18.0	18.1/19.1	17.5/18.0	18.1/19.1	17.5/18.0	18.1/19.1
Heating	14.5/16/6	16.0/18.8	14.5/16.6	15.3/18.8	13.1/16.2	14.5/16.8
Power Use Rated/Max (kw): Cooling	4.0/4.1	4.15/4.38	4.0/4.1	4.15/4.38	4.0/4.1	4.15/4.38
Heating	3.3/3.8	3.65/4.3	3.3/3.8	3.5/4.3	3.0/3.7	3.3/3.85
Fan Speeds Stage	4+Auto	-	4+Auto	-	4+Auto	-
Air Direction: Horizontal	Manual	-	Manual	-	Manual	-
Vertical	Automatic	-	Automatic	-	Automatic	-
Air Filter	Washable		Washable		Washable	
Plasma Filter	Yes	No	Yes	No	Yes	No
Connection Method	Flare		Flare		Flare	
Total Max. Lgth Ft. (m)	230 (70)		230 (70)		230 (70)♦	
Combined Maximum Lgth Ea. Ft. (m)	82 (25)		82 (25)		82 (25)♦	
Max. Vertical Diff. Ft. (m)	49 (15)		49 (15)		49 (15)	
Refrigerant	410A		410A		410A	

♦ The sum of all individual line-set lengths cannot exceed total max line length.

INDOOR UNITS

	Style	Connection Type	Suction	Discharge	HxWxD in (mm)	Weight lb (kg)
ASU9RMLQ	Wall Mount	Flare	3/8	1/4	11-5/32 x 31-3/32 x 9-1/16 (283x790x230)	20 (9.5)
ASU12RMLQ	Wall Mount	Flare	3/8	1/4	11-5/32 x 31-3/32 x 9-1/16 (283x790x230)	20 (9.5)
ASU18RMLQ	Wall Mount	Flare	1/2	1/4	11-5/32 x 31-3/32 x 9-1/16 (283x790x230)	20 (9.5)
ARU9RML	Concealed Ceiling	Flare	3/8	1/4	8-17/32 x 26-3/32 x 23-7/16 (217x663x595)	40 (18)
ARU12RML	Concealed Ceiling	Flare	3/8	1/4	8-17/32 x 37-17/32 x 23-7/16 (217x953x595)	55 (25)
ARU18RML	Concealed Ceiling	Flare	1/2	1/4	8-17/32 x 37-17/32 x 23-7/16 (217x953x595)	55 (25)

OUTDOOR UNITS

		Connection Type	Suction	Discharge	HxWxD in (mm)	Weight lb (kg)
AOU24RML1	Outdoor Unit	Flare	3/8 (2)	1/4 (2)	32-7/8 x 35-7/16 x 13 (835x900x330)	136 (62)
AOU36RML1	Outdoor Unit	Flare	3/8 (3) +1/2(1)*	1/4 (4)	32-7/8 x 35-7/16 x 13 (835x900x330)	149 (68)

* For quad zone connection there is an adapter provided in order to connect the 3/8" lineset to the 1/2" valve on port A.

FUJITSU NOW OFFERS TRANSITIONS



RT-ARU9 Return
Inlet transition:
7" x 21" rectangular x 10" round



ST-ARU9 Supply
Discharge transition:
6" x 15-3/4" rectangular x 10" round



RT-ARU12/18 Return
Inlet transition:
7" x 32" rectangular x 12" round



ST-ARU12/18 Supply
Discharge transition:
6" x 23-3/4" rectangular x 12" round

Ceiling Cassette Systems

SUPER ENERGY EFFICIENCIES
SYSTEMS 18RCLX, 24RCLX, 36RCLX, 42RCLX

UP TO 16-SEER



Function

Up to 16-SEER, these models provide up to 30% increase in efficiency over 13-SEER models. These models offer the ability to send up to 50% of their capacity through two branch ducts to adjacent rooms. Slender fit feature now offered on all models decreases space required above the ceiling increasing application opportunities.

Standard Features

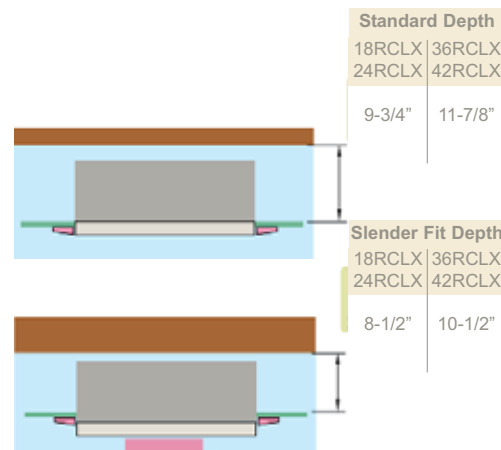
- Dry Mode
- Auto Louver: Up/ Down
- Auto Mode
- Energy Saver
- Auto Restart/Reset
- Auto Changeover
- Fresh Air Intake*
- Low Ambient
- Cold Prevention
- Slender Fit
- Pump Down Operation
- High Ceiling Mode
- Branch Duct Capable
- Built-in Condensate Pump

Applications

Four-way airflow, concealed flush mount design and the ability to operate in high ceiling rooms makes these systems ideal for commercial applications such as offices, conference rooms, restaurants, night clubs and bars in retrofit and new construction. Long maximum combined piping lengths of 165 to 230 feet with 60 to 98 feet of height, depending on model, allow the outdoor unit to be remotely located up to 7 stories away and far from indoor unit. The ceiling cassettes are also used in new construction condominiums and homes taking advantage of their branch duct capability to feed adjacent rooms. These heat pumps provide up to 30% additional available heat when compared to conventional models.

Standard Wired Remote

- Weekly timer
- Set on-off time twice a day
- Set different on-off time by day
- Set time in 5 minute intervals
- Control up to 16 indoor units
- Child lock capable
- Remote temperature sensor



Slender Fit

Cassette body can be moved downward into the room 1-3/8" to accommodate limited ceiling space.

*Fresh air knockout available. Fresh air motor and ductwork field supplied. Fujitsu fresh air intake kit available part #KHRS940-25.



Fujitsu provides knock-outs on all ceiling cassettes where contractors can:

- Install one or two optional field supplied 4" branch ducts to supply 25% or 50% of the cooling or heating capacity respectively to an adjoining space up to 16 feet away.

	18RCLX	24RCLX	36RCLX	42RCLX
	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Nominal Cooling BTU/h	17,800	22,200	34,100	42,700
Min.~Max. Cooling BTU/h	5,000~21,500	5,000~27,300	8,500~36,000	13,700~45,000
Nominal Heating BTU/h	21,000	24,200	36,000	45,200
Min.~Max. Heating BTU/h	5,000~25,600	5,000~29,000	9,200~42,700	14,300~54,600
HSPF BTU/hW	8.5	8.5	8.5	8.5
SEER BTU/hW	16.0	15.0	14.0	15.0
EER Clg/Htg	11.1 / 10.2	10.6 / 10.2	8.1 / 9.7	9.2 / 10.5
Clg. Operating Range °F(°C)	0~115 (-18~46)	0~115 (-18~46)	0~115 (-18~46)	0~115 (-18~46)
Htg. Operating Range °F(°C)	14~75 (-10~24)	14~75 (-10~24)	14~75 (-10~24)	0~75 (-18~24)
Moisture Removal Pt./h(l/h)	5.3 (2.5)	6.4 (3.0)	8.5 (4.0)	11.6 (5.5)
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Recommended Fuse Size (A)	20	20	30	30
Air Circ. C.F.M. (m³/h): Hi	559 (950)	618 (1,050)	942 (1,600)	1,000 (1,700)
Medium	477 (810)	536 (910)	824 (1,400)	854 (1,450)
Low	394 (670)	436 (740)	677 (1,150)	736 (1,250)
Noise Level dB(A): Hi	42/40 (Clg/Htg)	45/43 (Clg/Htg)	48/48 (Clg/Htg)	50/50 (Clg/Htg)
Medium	39/38 (Clg/Htg)	43/39 (Clg/Htg)	45/45 (Clg/Htg)	48/48 (Clg/Htg)
Low	36/36 (Clg/Htg)	38/35 (Clg/Htg)	41/41 (Clg/Htg)	44/44 (Clg/Htg)
Outdoor Fan Speed RPM	780/780	850/900	850/900	850/750
Outdoor Noise Level dB(A)	51/53 (Clg/Htg)	53/55 (Clg/Htg)	54/55 (Clg/Htg)	55/56 (Clg/Htg)
Current Rated/Max (A): Cooling	7.0/12.5	9.2/12.5	18.3/18.8	20.3/21.7
Heating	8.9/12.5	10.4/12.5	16.1/18.8	18.8/21.7
Power Use Rated/Max (kw): Cooling	1.61/2.88	2.10/2.88	4.22/4.35	4.66/4.99
Heating	2.05/2.88	2.37/2.88	3.70/4.35	4.31/4.99
Fan Speeds Stage	3 + Auto	3 + Auto	3 + Auto	3 + Auto
Air Direction: Horizontal	-	-	-	-
Vertical	Automatic	Automatic	Automatic	Automatic
Air Filter	Washable	Washable	Washable	Washable
Front Grille	Removable	Removable	Removable	Removable
Connection Method	Flare	Flare	Flare	Flare
Combined Max. Lgth Ft (m)	165 (50) Each	165 (50) Each	165 (50) Each	230 (70) Each
Max. Vertical Diff. Ft (m)	65/20	65/20	98/30	98/30
Conn. Pipe Diameter Inch	Suc. 1/2 Dis. 1/4	Suc. 5/8 Dis. 3/8	Suc. 5/8 Dis. 3/8	Suc. 5/8 Dis. 3/8
Net Weight lbs. (kg)	75 (34)	141 (64)	75 (34)	141 (64)
Dimensions: Height Inch	9-3/4	32-3/4	9-3/4	32-3/4
mm	246	830	246	830
Width Inch	32-3/4	35-1/2	32-3/4	35-1/2
mm	830	900	830	900
Depth Inch	32-3/4	13	32-3/4	13
mm	830	330	830	330
Refrigerant	R410A	R410A	R410A	R410A
	Indoor AUU18RCLX	Outdoor AOU18RLX	Indoor AUU24RCLX	Outdoor AOU24RLX
	Indoor AUU36RCLX	Outdoor AOU36RLX	Indoor AUU42RCLX	Outdoor AOU42RLX

Note: Figures are based on 230 Volts.



Ceiling and Universal Mounted Systems

SYSTEM VERSATILITY SYSTEMS 18RULX, 24RULX, 36RSLX



UP TO 16-SEER

Function

Up to 16-SEER, these models can provide up to 30% increase in efficiency over 13-SEER models. The 18RULX and the 24RULX are universal mount. They can mount low on the floor or low on the wall; mount high enough for a vacuum to get under them, or transverse mount them on the ceiling. The 36RSLX can only be mounted on the ceiling, can take in Fresh air and can throw air farther.

Standard Features

- Wireless Remote Control
- 24 Hour Timer
- Dry Mode
- Auto Louver: 4 Way
- Auto Mode
- Energy Saver
- Auto Restart/Reset
- Auto Changeover
- Low Ambient
- Cold Prevention
- Pump Down Operation
- Fresh Air Intake*

Optional Remote

- Full Function Wired Remote
- Weekly Timer
- Remote Controller Sensor
- Child Lock Capable
- Controls Up To 16 Systems

UTB-UUB



Applications

The universal mount 18RULX and 24RULX are ideal for house of worship to mount beneath stained glass windows. Lower in height that the pews they do not disturb the aesthetics of the space. With long piping lengths of 165' the outdoor units can also be placed remotely out of sight. Another popular application for this model is in hallways where wall space is limited. The 36RSLX is popular where fresh air intake and high capacity is required like a restaurant or bar. They are also often suspended from threaded rod and used in multiple to condition large warehouse spaces.

*Fresh air knockout available. Fresh air motor and ductwork field supplied.

	18RULX	24RULX	36RSLX			
	Heat Pump	Heat Pump	Heat Pump			
Nominal Cooling BTU/h	17,800	22,200	34,100			
Min.~Max. Cooling BTU/h	5,000~21,600	5,000~27,300	8,500~36,000			
Nominal Heating BTU/h	21,500	24,000	36,500			
Min.~Max. Heating BTU/h	5,000~25,600	5,000~29,000	9,200~42,700			
HSPF BTU/hW	8.5	8.5	8.5			
SEER BTU/hW	16.0	15.0	14.0			
EER Clg/Htg	10.9/9.6	9.9/10.2	8.1/10.4			
Clg. Operating Range °F(°C)	0~115 (-18~46)	0~115 (-18~46)	0~115 (-18~46)			
Htg. Operating Range °F(°C)	14~75 (-10~24)	14~75 (-10~24)	14~75 (-10~24)			
Moisture Removal Pt./h(l/h)	5.3 (2.5)	7.4 (3.5)	7.4 (3.5)			
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1	208-230/60/1			
Recommended Fuse Size (A)	20	20	30			
Air Circ. C.F.M. (m ³ /h):						
Hi	459 (780)	518 (880)	1089 (1850)			
Medium	383 (650)	436 (740)	977 (1660)			
Low	550 (324)	371 (630)	842 (1430)			
Noise Level dB(A):						
Hi	43/43 (Clg/Htg)	47/47 (Clg/Htg)	48/48 (Clg/Htg)			
Medium	39/39 (Clg/Htg)	43/43 (Clg/Htg)	45/43 (Clg/Htg)			
Low	35/35 (Clg/Htg)	38/38 (Clg/Htg)	41/39 (Clg/Htg)			
Outdoor Fan Speed RPM	780/780	850/900	850/900			
Outdoor Noise Level dB(A)	51/53	53/55	54/55			
Current Rated/Max (A):						
Cooling	7.1/12.5	9.8/12.5	18.3/18.8			
Heating	9.8/12.5	10.2/12.5	15.3/18.8			
Power Use Rated/Max (kw):						
Cooling	1.63/2.88	2.25/2.88	4.22/4.35			
Heating	2.25/2.88	2.35/2.88	3.50/4.35			
Fan Speeds Stage	3 + Auto	3 + Auto	3 + Auto			
Air Direction: <i>Horizontal</i>	Automatic	Automatic	Automatic			
<i>Vertical</i>	Automatic	Automatic	Automatic			
Air Filter	Washable	Washable	Washable			
Front Grille	Permanent	Permanent	Permanent			
Connection Method	Flare	Flare	Flare			
Combined Max. Lgth Ft (m)	165 (50)	165 (50)	165 (50)			
Max. Vertical Diff. Ft (m)	66 (20)	66 (20)	98 (30)			
Conn. Pipe Diameter Inch	Suc.1/2	Dis. 1/4	Suc.5/8	Dis. 3/8	Suc.5/8	Dis. 3/8
Net Weight lbs. (kg)	62 (28)	141 (64)	62 (28)	141 (64)	106 (48)	141 (64)
Dimensions: Height Inch	7-7/8	32-3/4	7-7/8	32-3/4	9-1/2	32-3/4
mm	199	830	199	830	240	830
Width Inch	39-1/8	35-1/2	39-1/8	35-1/2	65-1/2	35-1/2
mm	990	900	990	900	1660	900
Depth Inch	25-7/8	13	25-7/8	13	27-5/8	13
mm	655	330	655	330	700	330
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A
	Indoor ABU18RULX	Outdoor AOU18RLX	Indoor ABU24RULX	Outdoor AOU24RLX	Indoor ABU36RSLX	Outdoor AOU36RLX

Note: Figures are based on 230 Volts.



Warning

Always use a licensed installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion. Use only parts and accessories supplied or specified by Fujitsu. Ask a licensed contractor to install parts and accessories. Use of unauthorized or improper installation of parts and accessories can result in injury or property damage. Read the owner's operation manual carefully before using this product. The owners operation manual provides important safety instructions and warnings which should be followed closely. For any questions or concerns, please contact Fujitsu General America, Inc.

Heat Pump Disclaimer

In some climates a heat pump will handle all of your heating needs. However, this system usually requires some other additional source of heat to satisfy heating requirements in colder environments. Almost all of Fujitsu's heat pumps use inverter technology and as such offer a wider operating range and more heat capacity than a standard heat pump but will not provide adequate heating if improperly sized or operated outside of its operating range. Specifications vary by model; please consult your contractor before choosing a heat pump as your only source of heat.

Accessories and Recommendations

Replacement Air Filter:

9CQ, 12CQ, 9RQ, 12RQ, 9RLQ, 12RLQ, 15RLQ, 18RLQ, 24RLXQ, 30RLXQ, 9RMLQ, 12RMLQ, and 18RMLQ - 6 to 8 year life expectancy plasma filter: • Cartridge Filter • Media
18CL, 24CL, 30CLX, 36CLX - 3 to 12 month life expectancy, depending on room conditions and usage: • Apple Catechin Filter • Ion Deodorizing Filter

Condensate Pumps: Fujitsu condensate pump is available for System 36RSLX. Part Number UTR-DPB241. All other models can be fitted with a Micro-pump, field supplied.

Low Ambient Operation: Systems can operate in cooling mode even when outdoor ambient is 0°F, 14°F or 32°F, depending on model, without modification. Operation outside of factory specification is not recommended.

For more information, contact your local representative or distributor; or contact Fujitsu General America, Inc.

Certifications

ISO

ISO14001 is the standard defined by the International Organization for Standardization (ISO) related to environmental management systems. Fujitsu General America, Inc. 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 ISO14001. The air conditioners manufactured by Fujitsu have received ISO9001 series certification for quality assurance.

- ISO9001
- ISO14001



ASTM 117 Note

Our outdoor units shall withstand 1,000 hours of salt spray tested per procedure ASTM B117.

MEA

Systems 9CQ, 12CQ, 18CL, 24CL, 30CLX, 36CLX is 393-05-E.
All heat pump models have an MEA# of 241-06-E.

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

Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your contractor for details or visit www.energystar.gov.

Complete System Warranty

2 Year - Parts

6 Years - Compressor

Note: Condensing units come pre-charged from factory. Additional refrigerant may be required, be sure to check installation manual for more details.

- Cooling capacity is based on the following conditions:
 - Indoor temperature: 80°F DB/67°F WB (26.7°C DB/19.4°C WB)
 - Outdoor temperature: 95°F DB/75°F WB (35°C DB/23.9°C WB)
- Heating capacity is based on the following conditions:
 - Indoor temperature: 70°F DB (21.1°C DB)
 - Outdoor temperature: 47°F DB/43°F WB (8.3°C DB/6.1°C WB)



Fujitsu Model Nomenclature

Model	36	R	M	L	Q
ASU Wall Mount	BTUs in thousands	R = Reverse cycle heat pump	M = Multi-Zone	L = Inverter	Q = IAQ
ABU Universal Mount Ceiling Suspended		C = Cooling only	C = Cassette	X = Extended Line Set	X = Extended Line Set
ARU Concealed Ceiling			S = Ceiling Suspended	Q = IAQ	
AUU Cassette Mount			L = Wall Mount Inverter		
AOU Outdoor Unit			U = Universal		



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making the hottest places cool
and the coolest places
more comfortable.



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