

Heating & Cooling Your Home Efficiently

Brought to you by:



An important decision

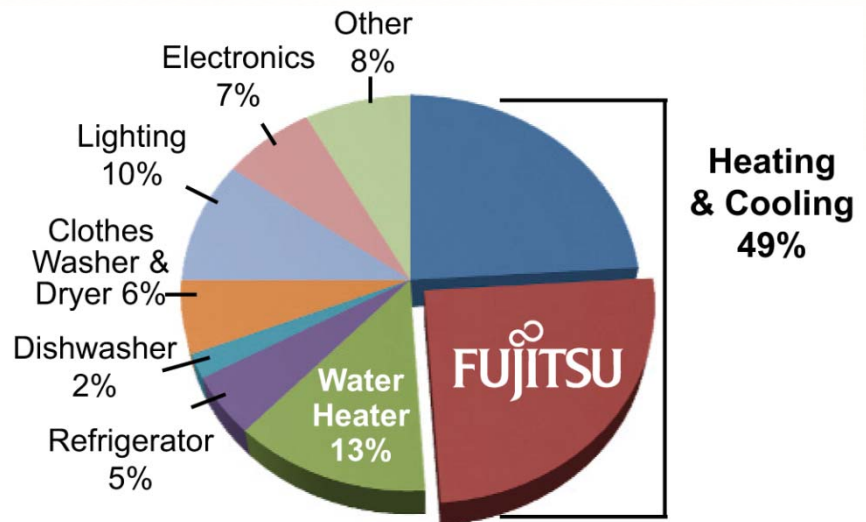
As much as half of the energy used in your home goes to heating and cooling. So making smart decisions about your home's heating and air conditioning system can have a big effect on your utility bills — and your comfort.



Where Does My Money Go?

If your average annual utilities are \$4,200, Fujitsu can save you up to \$1,050 annually or \$10,500 in 10 yrs!*

*Savings may vary based on model selected, hours of operation and geographical location. Example given based on 26-SEER system versus 13-SEER system.



What is a mini-split?

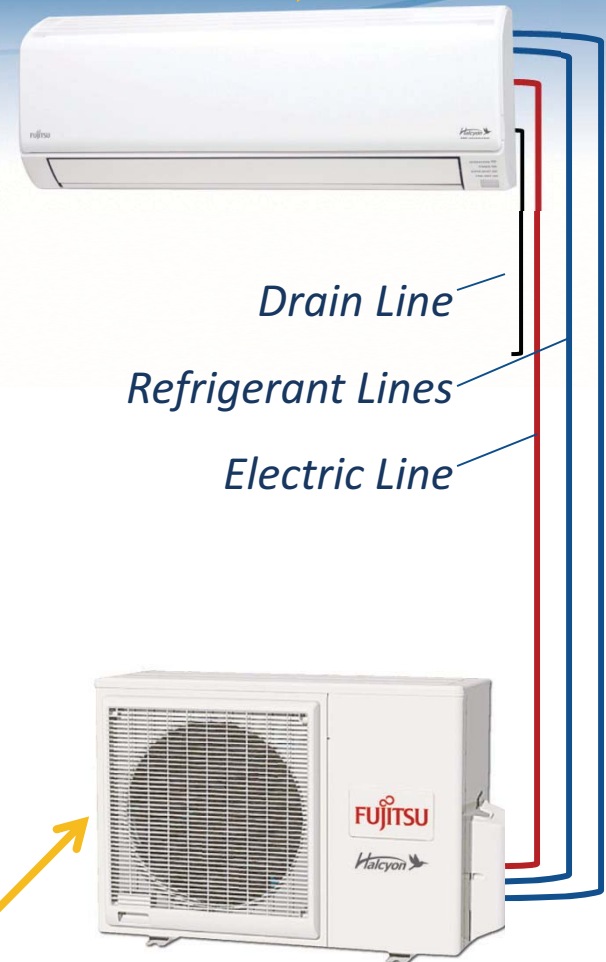
Installation is as easy as 1, 2, 3!

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

**Only a 2 ½" – 3" hole
in your wall.**

**Outdoor Unit called
"Condenser"**

**Indoor Unit called
"Evaporator"**



How does a mini-split work?

- The compressor and condenser are located outside the house.
- The need for a basement- or attic-located evaporator unit and bulky ductwork is eliminated by using thin copper tubing that pumps refrigerant directly to discreet evaporators inside.
- An air conditioner absorbs heat from indoors and moves it outdoors.

The result?

Efficient cooling and heating for year-round, whole-house comfort in most climates.



Mini-splits versus central air

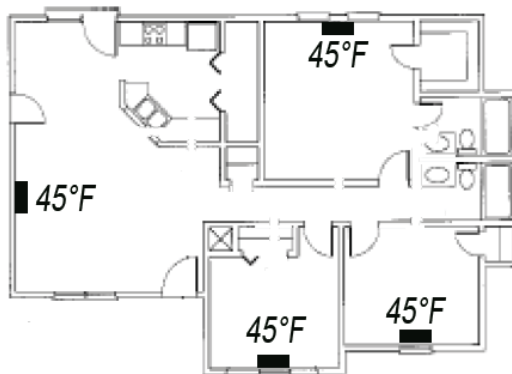
According to statistics taken from *Improving the Efficiency of Your Duct System*, U.S. Department of Energy:

“Typical duct systems lose 25 to 40% of the heating or cooling energy put out by the central furnace, heat pump, or air conditioner.”

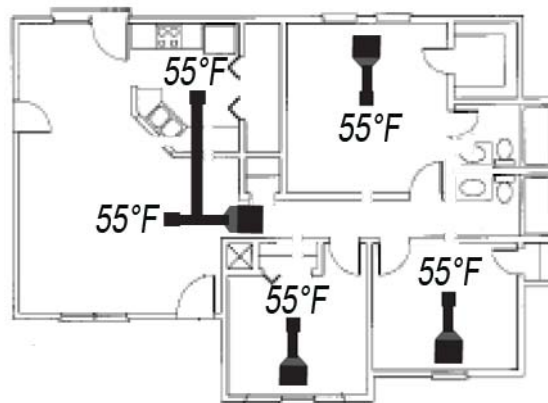
That means **40 cents out of every dollar** spent is lost in ductwork in a conventional central air system.

Air Temperature Entering the Room

Wall Mount – No Duct Loss



Concealed Ceiling – Minimum Duct Loss



Central Air – Up to 40% Duct Loss



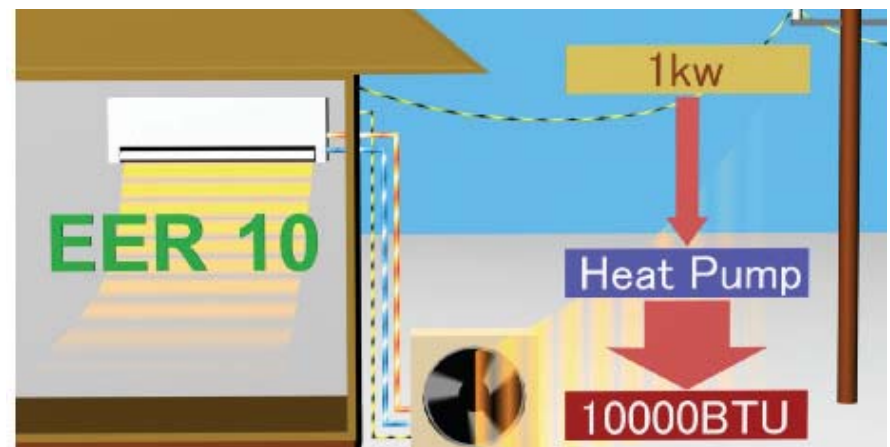
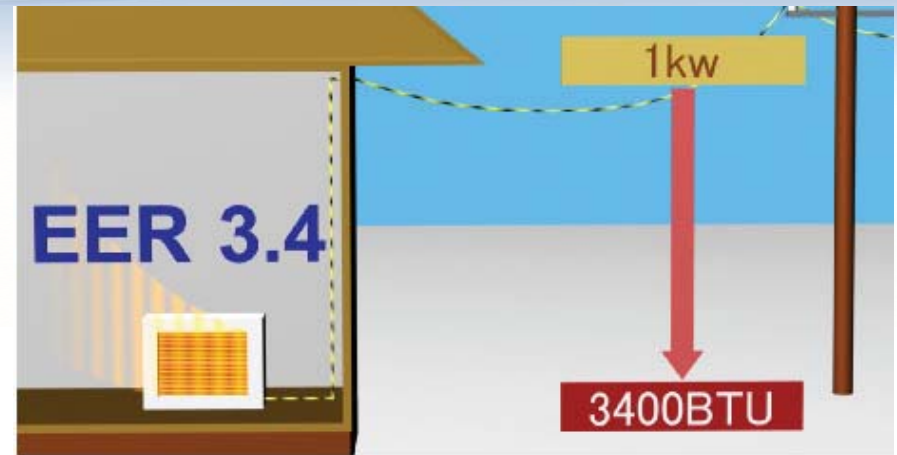
Your Attic is an Oven

If you think about it, it's crazy to run your cold, conditioned air through energy eating ducts that are in a super-heated attic. It's like sending your cold air through a pizza oven.



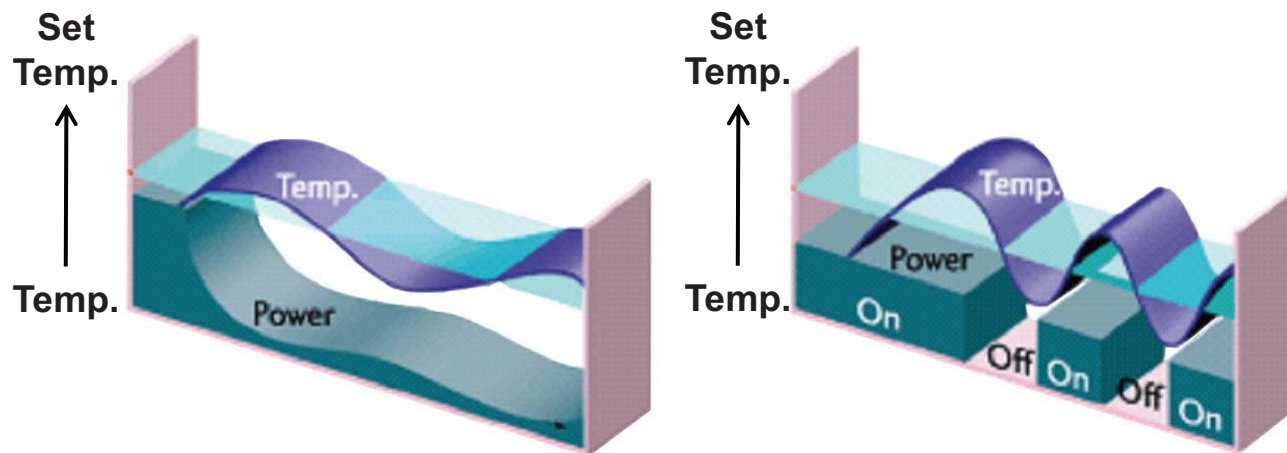
What is a heat pump?

- Heating and cooling in one system.
- It's an air conditioner that operates in reverse, absorbing heat from outside and moving it indoors.
- No loss of cooling efficiency.
- In some climates a heat pump may handle your heating needs more efficiently than a furnace
- In colder climates additional heat may be required to satisfy 100% of your heating requirements
- Many models can provide heat even when its as cold as 0-degrees outside.



Inverter Technology

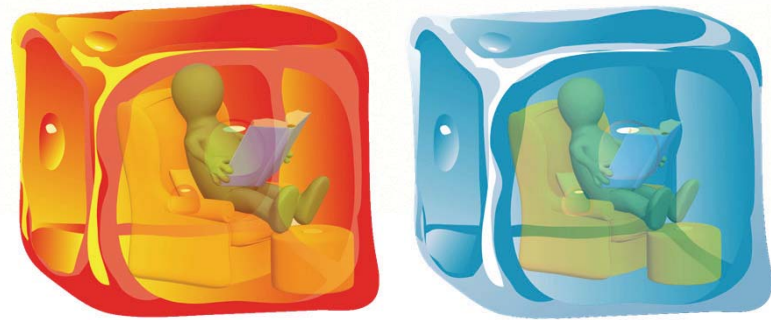
- In a conventional system the large compressor is run at full speed all the time
- Compressor only runs as fast as it needs to handle the cooling or heating demand



It's Like Cruise Control for your Air Conditioner

Compressors only run as fast as they need to handle the cooling or heating demand. They can handle greater extremes in temperature, are smoother and more stable in operation, and reach the desired temperature more quickly than conventional air conditioners.

With central air the temperature is either too hot or too cold.



With mini-splits, the temperature is just right.



Types of mini-splits



Wall Mounted



Hybrid Flex Inverter



Cassette



Universal Floor/Ceiling

Wall mounted

- 9 – 36,000 BTU
- Heat Pump or Cooling Only
- Up to 27.2-SEER
- Single Zone
- Humidity Control
- Sleep Timer
- Inverter Technology



Hybrid Flex Inverter

- Connect up to 8 indoor units to one outdoor unit
- Each indoor unit can be operated independently via remote control
- Choose from a variety of indoor unit styles
- Provide both heating and cooling (not simultaneously)
- Up to 17-SEER (depends on combination)
- Create up to 8 zones



Hybrid Flex Inverter

Whole Home Heating & Cooling

Wall-Mounted

Stylish, slim and elegant, wall mounted units are designed to complement any interior décor.



Slim Duct

Mounted in a ceiling or in a framed enclosure below a ceiling. Use minimal ductwork and are energy efficient.



Wall Mounted

They mount high on a wall, out of sight and do not require ductwork, increasing energy efficiency.



Compact Cassette

Cassettes are extremely discreet, with only the grille showing in the ceiling.



Cassette

- Up to 16-SEER
- Inverter technology
- Humidity control
- Energy saver mode
- Swing louvers
- Wired remote controller



Universal Floor/Ceiling

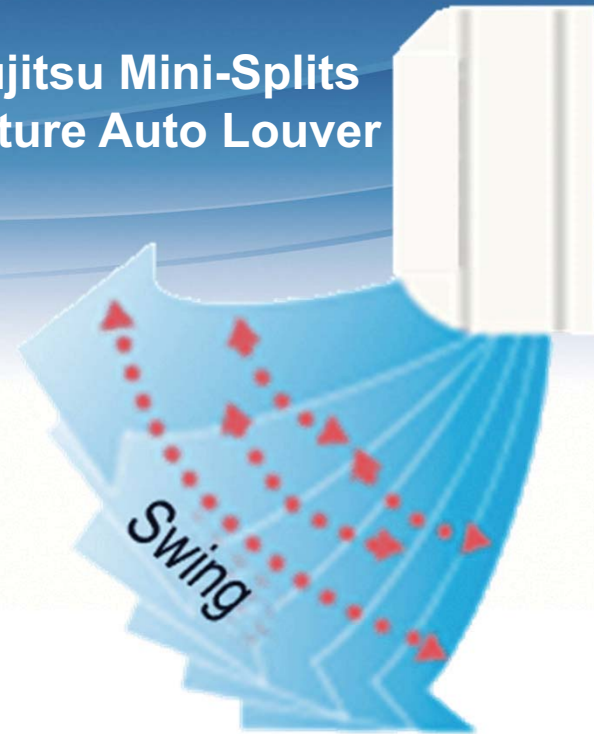
- Indoor unit can be mounted low on the floor or wall, or mounted on the ceiling.
- Up to 16-SEER
- Inverter technology
- Humidity Control
- Great for hallways or where space is limited



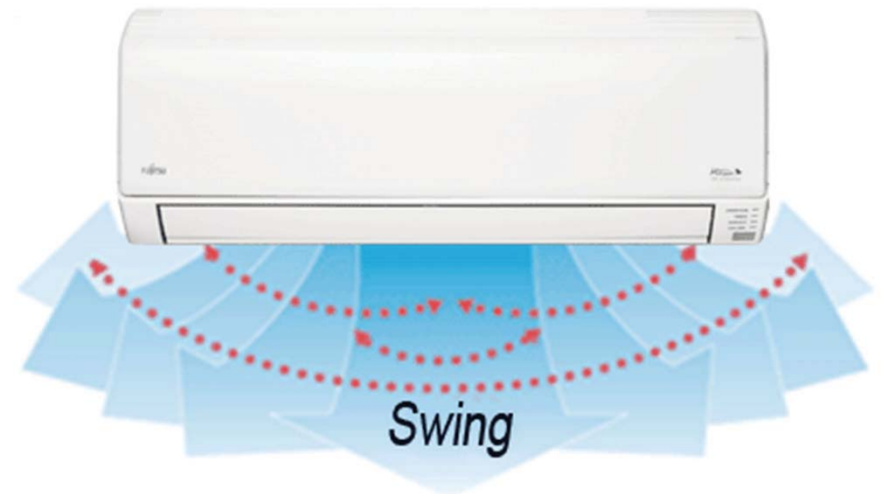
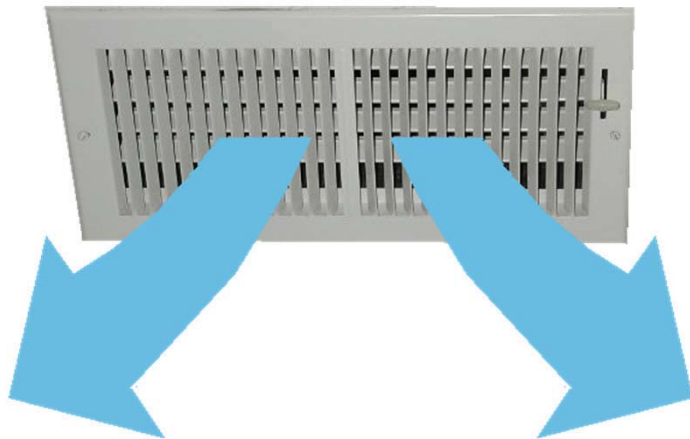
Air Flow

Fujitsu's Auto Louver spreads the air all over the room unlike a fixed register in a central air system.

Fujitsu Mini-Splits
feature Auto Louver



Fixed Air Flow (Central Air)



Auto Mode

- Auto Fan Speed adjusts as temperature set point is reached, just like in a car.



Compressors only run as fast as they need to handle the cooling or heating demand.

High performance filters remove dust, odor and improve indoor air quality.

Dry Mode helps reduce humidity levels when cooling requirements are low.

Cruise Control

Clean Air

Dehumidifier

Timer

24-hour programmable timer allows for on/off cycle control of system.

Zoning

Individual zone control saves you money by allowing you to cool or heat only the rooms you're using.

Savings

High energy efficiencies slash utility bills by up to 25%.

Oscillating Fan

Auto Louver redirects airflow with up/down and left/right motion, depending on model.

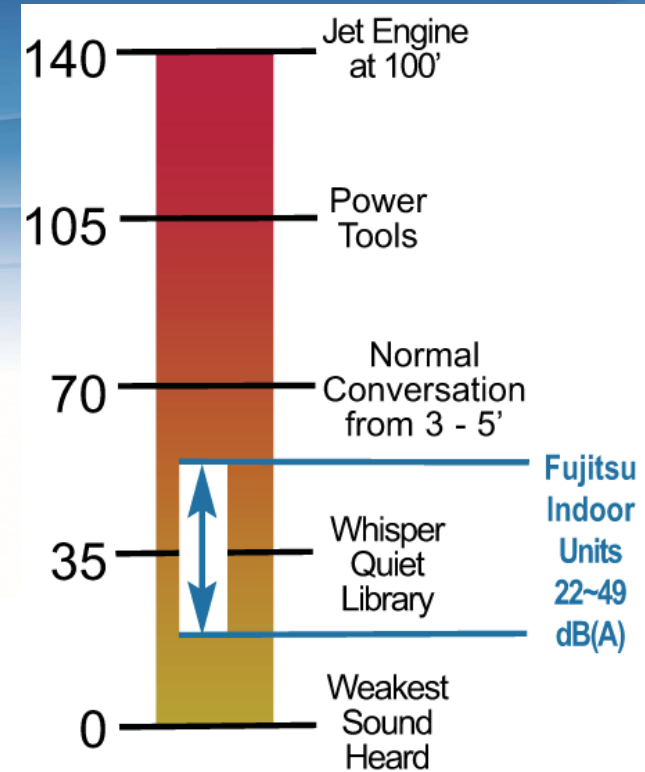
Earth Friendly

Low ozone depleting potential (ODP) refrigerant R410a used in all models.



Quiet Operation

- Ductless heat pumps allow for a peaceful inside environment by enabling the contractor to install components like compressors and motors outdoors.



Fujitsu Mini-Splits
Outdoor 40 – 55 dB
Indoor 22 – 49 dB



PTAC Systems
60 – 65 dB



Central Air
Outdoor 70 – 75 dB
Indoor 35 – 55 dB



Window A/C Units
Outdoor 45 – 65 dB
Indoor 35 – 55 dB

Zoning Saves Electricity



When you were a kid your mom or dad told you when you leave a room turn the light off. Well, why not when you leave the room turn your air conditioner up or off? After all, a Fujitsu unit cools or heats the room within minutes, in less than half the time it takes a central air system.



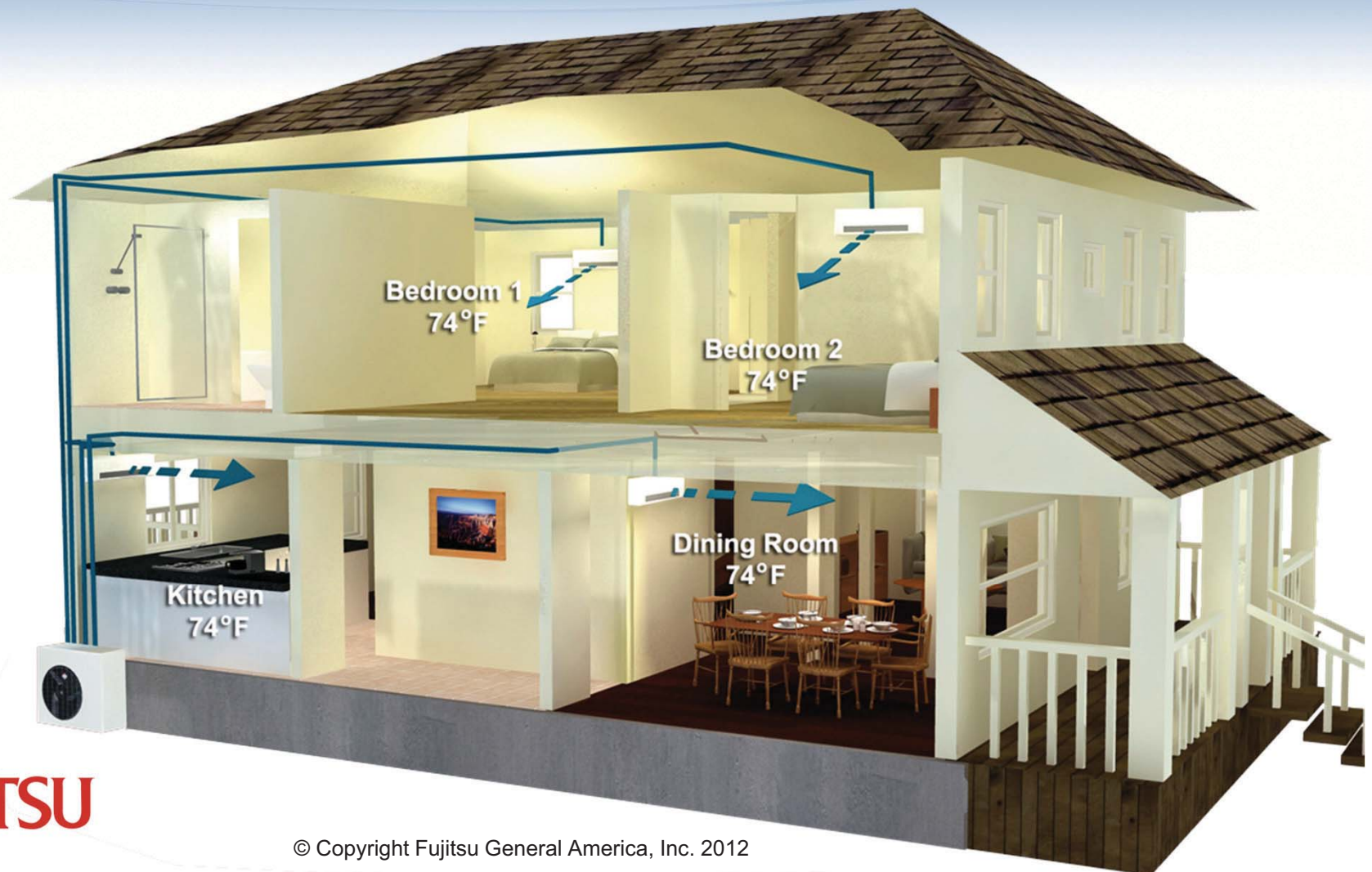
Old Systems Lack Control

What would you think of a house that had one light switch for the whole house?

That's the kind of control you get with central air.



Fujitsu systems are individually zoned to provide constant comfort throughout your home.

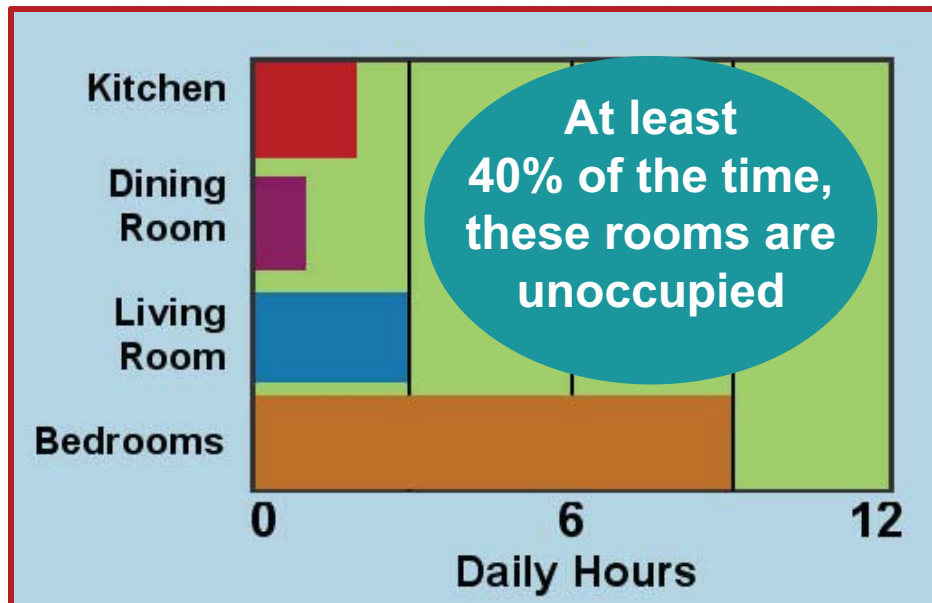


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Individual zoning

How much time do you spend in each room of your home?



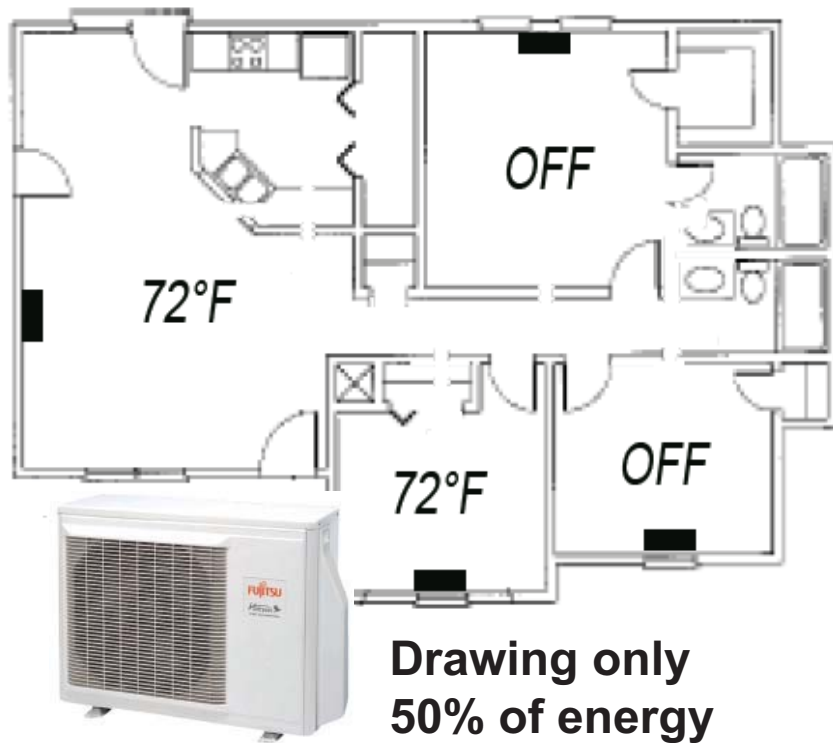
**Don't pay to heat
or cool rooms
you are not in!**

Fujitsu mini-splits provide individual zoning so that you pay to comfort only the rooms you are occupying.

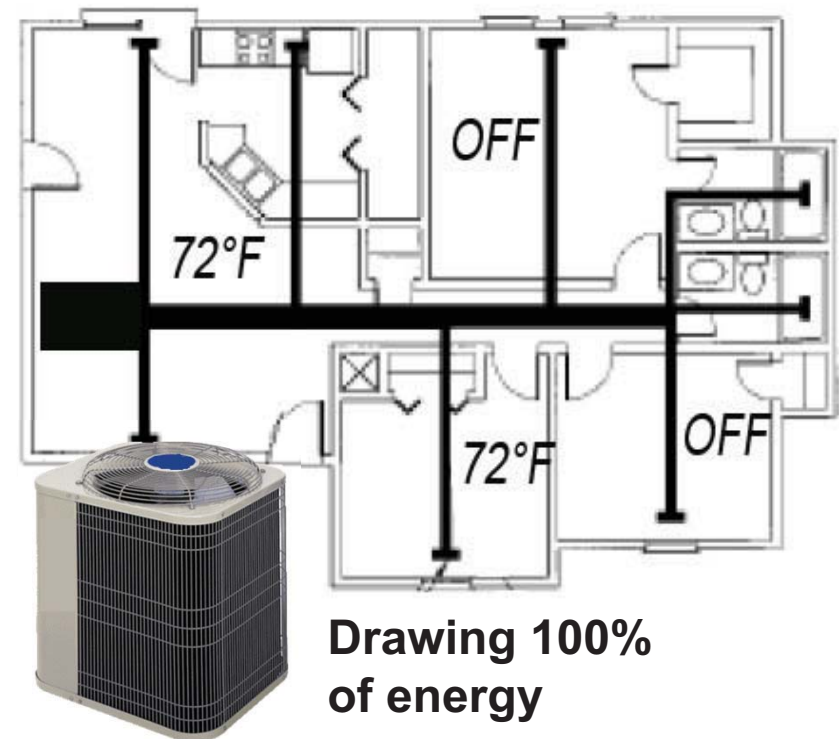


The Difference in Zoning

Mini-Split Zoning



Central Air Zoning



Installation Examples – indoor unit



Wall Mount units are aesthetically pleasing and blend nicely with most decor.



Installation Examples – outdoor unit



Outdoor units shown with lineset covers.
Unit in top photos hidden behind shrubs.

Warranty

Enjoy peace of mind with superior Fujitsu products that come with a solid warranty coverage to protect your investment.

Depending on model, Fujitsu products come with either a **6-year Compressor** and **2-year Parts Warranty** or a **7-year Compressor** and **5-year Parts Warranty**.

