



5128 Flag Drive Gallows Bay  
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 340.778.3156



**Air Conditioners** Multi-split type **SUPER MULTI PLUS**

**A Multi-Split System that suits large and luxurious houses**

Daikin's new SUPER MULTI PLUS E series can be connected to up to 8 indoor units and offers you a richer choice of compatible indoor units to coordinate with the decor of each room. Advanced technology from Daikin has also improved COP and reduced sound levels to suit today's modern living environment.

**SUPER MULTI PLUS**



Multi-Split Type Air Conditioners  
 with DC Inverter Power Control  
 Cooling Only & Heat Pump [50/60 Hz]



**A Wide Variety of Stylish Indoor Units**



**Ceiling-mounted cassette type**

With a smooth and simple finish that harmonises with any modern interior space, ceiling-mounted, cassette type air conditioners are suited for drop ceilings.



**Duct-connected series**

This slim and compact, duct-connected air conditioner requires only a 240 mm installation depth between the drop ceiling and ceiling slab. With only the smooth and simple finish visible, the interior decor is unaffected.



**Ceiling-mounted built-in type**

The ceiling-mounted built-in air conditioner is also for installation in drop ceilings and offers a plain, unobtrusive finish that blends in with any type of interior decor.



**Wall-mounted type**

The wall-mounted air conditioners with a stylish flat panel blend in perfectly with any type of room. The flat panel makes for easy cleaning while various functions provide you with a more comfortable living space.



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## A Wide Selection of Units

To suit all room of a large house, or even small shops and offices, Daikin offers a wide range of indoor and outdoor units in our new SUPER MULTI PLUS E series.



### A wide range of both indoor and outdoor units

#### Outdoor units

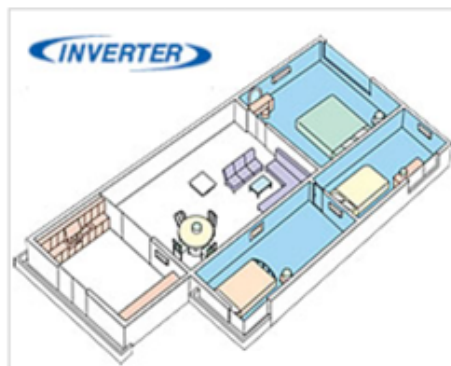
3 models (11.2 kW, 14 kW, 15.5 kW)  
 The outdoor unit can be selected from among 3 different models to fit the exact power requirements of your home, shop or office.

#### Indoor units

17 models, 4 types  
 The wide range of available indoor units includes 17 models in 4 different types to suit each individual room and preference.

## Energy Efficiency and Quiet Operation

SUPER MULTI PLUS E series outdoor units have been newly designed and use the latest technologies to realise energy-saving performance and quiet operation.

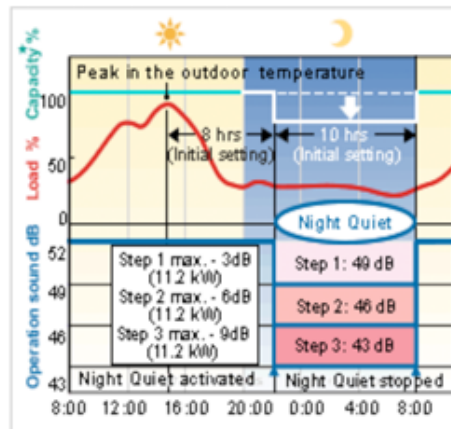


### High Energy savings

DC inverter power control enables the air conditioner to operate at low capacity most of the time, especially important at night when the whole family is at home. DC inverter power control achieves a high COP even when multiple indoor units are in operation simultaneously for long periods of time.

## Quiet Operation For Total Comfort

Quietness is yet another important feature of Daikin's SUPER MULTI PLUS E series. The latest technologies and features have been applied to our outdoor units to reduce sound to a quiet 43 dB in the Night Quiet.



### Night Quiet mode

#### Operation sound selectable from among 3 levels

The outdoor PCB records the time of the peak daytime temperature and activates the "Low" operation mode 8 hours\*<sup>1</sup> later, returning operation to normal 10 hours\*<sup>2</sup> after that, with the operation sound level for the Night Quiet mode selectable between 49 dB (Level 1), 46 dB (Level 2) and 43 dB (Level 3).

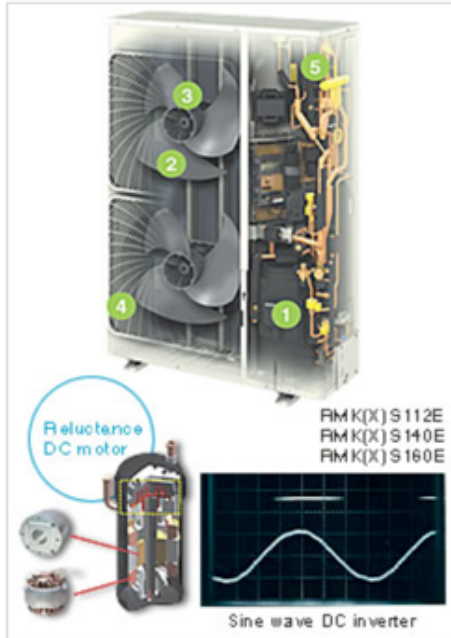
\*1. Determine which mode to select depending on the climatic characteristics of your country or region.  
 \*2. 10 hours is the default setting. The time is adjustable to either 6, 8 or 10 hours.



Note: This function can be set on-site.  
 \* The relationship between outdoor temperature (load) and time as indicated in the graph is just an example. Actual capacity reduction will differ depending on the selected sound level.

## Cutting-edge Technologies for Efficient and Quiet Operation

## Air Conditioners



### 1. Reluctance DC scroll compressor

Loss due to overheating is reduced by pressurizing the area around the motor, thus boosting Energy saving performance in conjunction with other features.

### High thrust mechanism

High-pressure oil causes the reactive force from the fixed scroll to be added to the internal force, thereby reducing thrust loss, improving efficiency, and suppressing sound levels.

### Smooth sine wave DC inverter

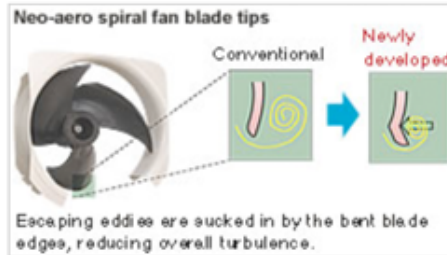
Use of an optimized sine wave smoothes motor rotation, further improving operating efficiency.

### Optimal refrigerant configuration

Changes to the shape of the spiral and volume ratio have resulted in an optimal refrigerant layout.

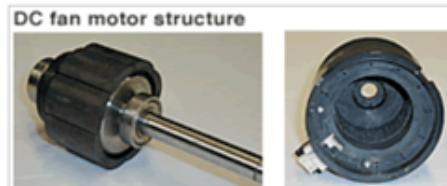
### Outdoor units

Changes to the shape of the spiral and volume ratio result in optimal refrigerant layout.

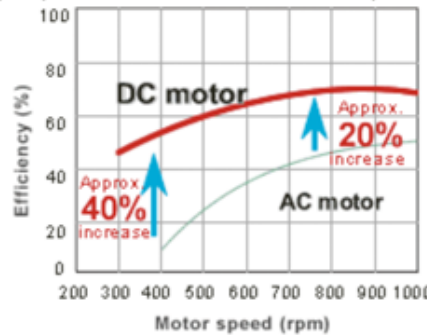


### 2. Smooth air inlet bellmouth and aero spiral fan

Two new features, guides added to the bellmouth intake and the new Aero Spiral Fan featuring fan blades with angles blade edges, work together to significantly reduce sound by lowering airflow turbulence.



### DC motor efficiency (Comparison with a conventional AC motor)



Note: Data are based on studies conducted under controlled conditions at a Daikin laboratory.

### 3. DC fan motor

Efficiency is improved in all areas compared to conventional AC motors, especially at low speeds.

### 4. Super-aero grille

The refined ventilation mechanism enables a further reduction in the required fan power.

### 5. SC heat exchanger

The larger sub-cooled area reduces the sound of refrigerant flow by making it easier to form a liquid seal in front of the electrical valve.