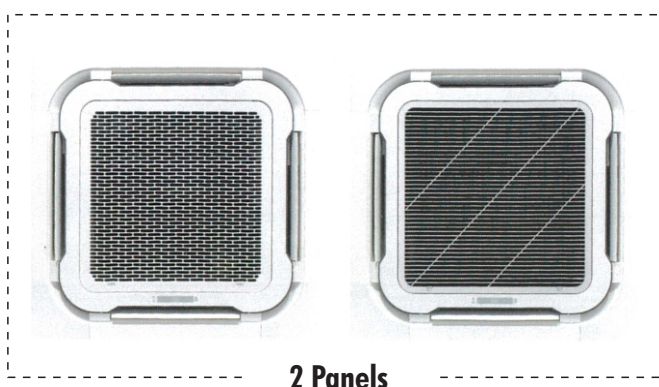


Cassette Unit



Diamond has invested in new molds and developed a full range of new ceiling cassette units in accordance with high energy efficiency requirements.



The products are novel and practical, stylish in appearance, meet the needs of multi-level personalised, and are widely used in various places such as shopping malls, office and other commercial buildings.



High-efficiency Low-noise Compressor

- » Equipped with high-efficiency rotary compressor, compared with models with scroll compressors, the power is stronger, cooling and heating performance is faster, anti-fading ability is higher.
- » Easy to deal with high temperature in cooling mode and low temperature in heating mode.
- » The running parts of the compressor wear less, run smoothly, with low noise and long service life.
- » The inverter model adopts high-efficiency DC inverter compressor, When starting up, it runs at high speed, strong output, and one step faster in heating and cooling: When normal running, accurate output, reducing indoor temperature fluctuations, comfort and power saving.



- Powerful
- Quiet
- Efficiency



Inner Threaded Copper Tube

- » The internal threaded copper tube effectively improves the heat exchange effect by increasing the inner surface area of the tube and enhancing the disturbance.
- » Destroy the boundary layer of refrigerant flow, increase disturbance and improve heat exchange efficiency.
- » The heat transfer coefficient is higher and the energy saving effect is better.



The inner threaded pipe destroys the boundary layer of the refrigerant flow and enhances the disturbance, thereby enhancing the heat exchange.



Hydrophilic Aluminum Foil

- » The new hydrophilic aluminum foil has the ability of degreasing and anti-fouling, which can make the condensed water generated during the operation of the air conditioner flow away along the fins as soon as possible. When defrosting, the defrosting time can be greatly shortened, and the heating efficiency is higher.



Degreasing and antifouling hydrophilic aluminum foil fins

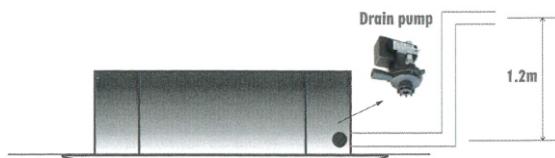
- Fin
- Water drop
- $\theta > 90^\circ$
- Water drops between fins are not easy to stick
- Water drops will run off the fin's surface

Cassette Unit



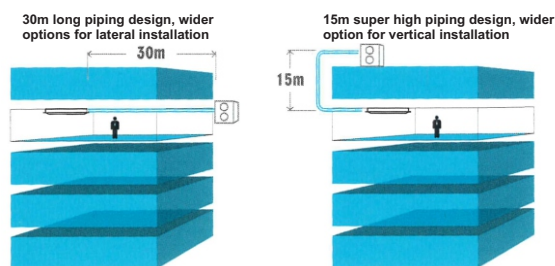
High-lift Drainage Water Pump

»» The 1.2-meter-high head drain pump is used, which greatly facilitates the installation and arrangement of the drain pipe, making the condensate discharge smoother and more thorough.



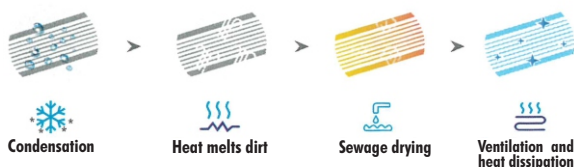
Long Piping Design, Flexible Installation

»» The 15-meter height drop design and the 30-meter super-long piping design meet the installation needs of different places.



Heat Exchanger Self-cleaning Function

»» The self-cleaning function can combine the condensed water generated on the surface of the evaporator with the dust, and remove the condensed water while taking away the dust.



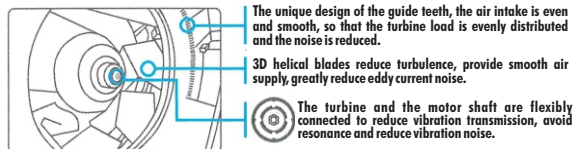
WIFI Control Function (Optional)

Optional WIFI remote control module can be chosen, through the mobile phone to remotely control the air conditioner.



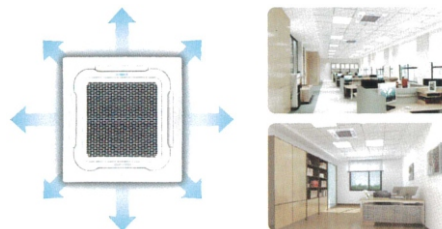
Low Noise Big Volume Centrifugal Fan

»» The fan wheel adopts 3D spiral blade of aerospace technology, which has smooth air output, large air volume, balanced and stable air flow, and greatly reduces the eddy current noise, and the operation is quiet and comfortable.



360° Air Supply, No Dead Angle

»» 360° air outlet, no dead angle for air supply. 360° automatic swing, wide range of air supply, so that the air flow reaches all corners of the room, and the air can also be supplied at a specified angle to enjoy the comfort.



LED Digital Display Panel

»» Embedded LED digital display on the panel, real-time display of temperature and mode, accurate and detailed display of machine operating status and data, high-end and practical.



UVC Sterilization Function (Optional)

»» UVC powerful sterilization accessories can be customized to effectively kill Escherichia coli, Corynebacterium diphtheria, Mycobacterium tuberculosis, Salmonella, etc. The process is non-toxic, no residue, no peculiar smell, and protects human health.

