

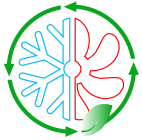
Commercial Air Conditioning



Energy Efficient Heating & Cooling



Energy Saving Solutions



Take control of your building's comfort and energy costs



Whether you're developing a new property or renovating an existing one, our Daikin solutions help you significantly lower operating costs with energy-efficient climate systems.

Our solutions are tailored for offices, large buildings and residential units.

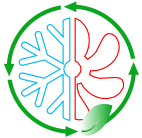
IMPROVE OPERATIONAL EFFICIENCIES

Multi-Zone Control

Precisely adjust the climate in different floors and rooms. ● ● ● ●



VRV/F Installations



Highly versatile DX (direct expansion) heat-pump systems

VRV (Variable Refrigerant Volume) and VRF (Variable Refrigerant Flow) systems are known for flexibility and efficiency. The technology adjusts the refrigerant volume in the system based on the precise cooling or heating needs of each zone. Unlike traditional air conditioning systems that have a single, fixed-speed compressor, a VRV/F system utilises multiple compressors that can vary their speed. This allows for simultaneous heating and cooling in different areas, providing a customised climate control solution for diverse spaces within a building.



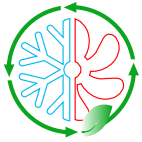
- Air Conditioning (cooling)
- Monovalent (single source) heating
- Fresh air treatment through own units or external air handling units
- Air curtains

ENERGY EFFICIENT R32 SYSTEMS

- Easily integrated in various control configurations:
- Individual control of every indoor unit
- Centralized control and remote monitoring

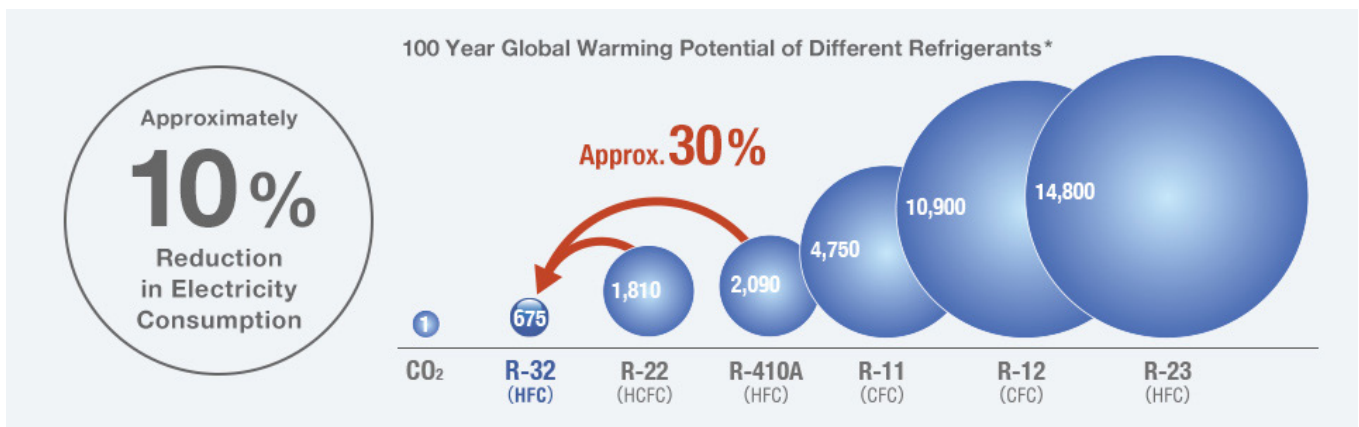


What Is R32?



Highly versatile DX (direct expansion) heat-pump systems

- R-32 is the most balanced refrigerant in terms of environmental impact, energy efficiency, safety, and cost-effectiveness.
- Refrigerant is a medium for conveying heat.
- Air conditioners transfer heat while circulating refrigerant between the indoor and outdoor units.
- Although there are various types of refrigerants, R-32 is a balanced refrigerant currently receiving attention.
- Because R-32 efficiently conveys heat, it can reduce electricity consumption up to approximately 10% compared to that of air conditioners using refrigerant R-22. Furthermore, compared to the refrigerants widely used today such as R-22 and R-410A, R-32 has a global warming potential (GWP) that is one-third lower and is remarkable for its low environmental impact.



Environmental Impact of Air Conditioner Refrigerants and Trends

Refrigerant	Ozone Depletion Potential (ODP)	100 Year Global Warming Potential of Different Refrigerants*1
R12 (CFC)	1.0	10,900
R22 (HCFC)	0.055	1,810
R410A (HFC)	0	2,090
R32 (HFC)	0	675

*Source:
Values for 100 year global warming potential (GWP) from IPCC Fourth Assessment Report. Comparative 100 year GWP: HFC410A, 2,090; HFC32, 675.

R-32 efficiently conveys heat and can reduce electricity consumption up to approximately 10% compared to that of air conditioners using refrigerant R-22. Compared to the refrigerants R-22 and R-410A, R-32 has a global warming potential (GWP) that is one-third lower and is renowned for its low environmental impact.



Energy Efficient Indoor Units

For Heating & Cooling



Wall Mounted: FXAA-A (R32)



- Optimised design for R-32 refrigerant
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit

Slim concealed ceiling unit: FXAA-A (R32)



- Optimised design for R-32 refrigerant
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Flexible installation, as the air suction direction can be altered from rear to bottom suction
- Standard drain pump with 600mm lift increases flexibility and installation speed

- Wall Mounted Units
- Ceiling Cassettes
- Floor Standing Units
- Ducted Systems



Advanced Solutions



Comprehensive range of refrigeration & air conditioning services.



- Air Conditioning
- Walk in Chillers
- Walk in Freezers
- Dual Compartment (Chiller & Freezer)
- Pharmaceutical Cold Rooms
- Multi-Temperature Rooms
- Food Production Areas
- Blast Chillers & Freezers
- 100% Back Up Systems
- Commercial Cold Rooms
- Ice Machines
- Display cabinets
- Chest Freezers
- Wine & Beer Cellar Cooling
- Dairy Cabinets
- Portable Cooling

**Installation.
Service.
Maintenance.
Emergency Call
Outs.**

