

RESIDENTIAL

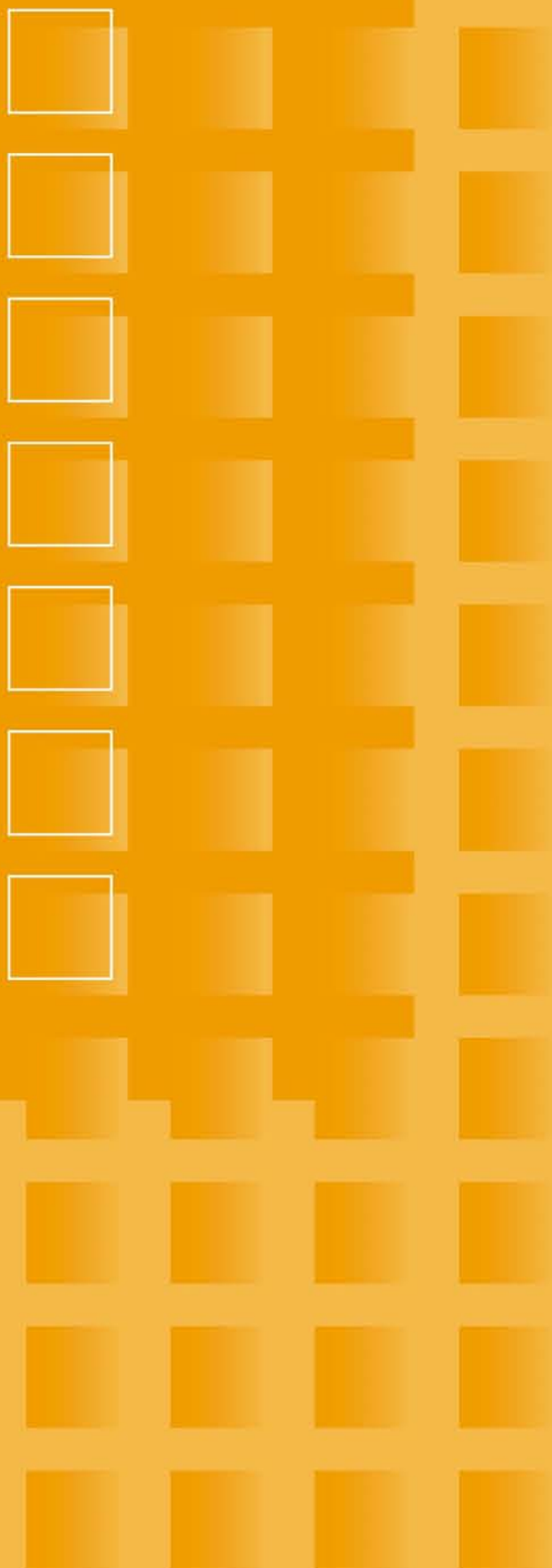
Whether they live in high-rise, high-density housing or detached dwellings, owners and residents consistently demand certain amenities in air-conditioning systems. First, the system should provide a consistently comfortable indoor climate. Second, the indoor units should blend well with the décor of the home. And of course, for any property owner, the issue of economic performance is a vital one.

Home air-conditioning systems need to consider a wide range of factors. Airflow should be kept even to avoid draughts, with minimal variations in indoor temperature. Remote controllers should be easy to use and placed in a convenient location, and the air conditioners should function quietly. The climate settings must be adjustable for each room and zone, and the air-conditioning equipment must be easy enough to operate and manage by residents themselves. Because good economic performance is essential, owners should be able to maintain and upgrade systems at minimum cost, and the systems should consume as little energy as possible. After installation manufacturer and client contact should be friendly and enduring. Safety is a key consideration in any home, so the system must be free of any fire risks, water leakage or other hazards to children, elderly people or non-technical persons.

Daikin's VRV system has extensive features that meet the customer's needs described above.

- Indoor units to suit any type of indoor environment
- Wired and wireless control systems, as well as centralized control system with full operation management features
- Interlocks with door locks for enhanced security
- Indoor and outdoor units designed for low noise and vibration
- Compact-sized outdoor units
- Extra-long piping allowing installation flexibility of outdoor units
- Low operating load for exceptionally low annual energy consumption
- Easily configurable indoor and outdoor units to fit any detailed zoning plan
- Entire system available from Daikin, for convenient "one-stop shopping"
- Comprehensive service menu
- Compatibility with new refrigerants
- System using no thermal heat source and no indoor water piping

By providing a single, comprehensive, flexible and economical air-conditioning system for the entire home, the Daikin VRV system makes a significant contribution to today's communities.



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Private House in PORTUGAL

Total floor area is 600 m². This building is in Sintra. Construction was completed in 2002. This 600 m² house with its lovely traditional Portuguese facades, located in old world Sintra, was extensively refurbished in 2002 at which time VRV heat pump air conditioning was installed throughout. Carefully chosen to blend with the large, oak beamed rooms, wood panelled floors and general ambience created by the fixtures and fittings, the attractive mix of wall mounted, floor standing, concealed floor and ceiling units brings summer freshness and winter warmth to this luxurious and much desired residential property.



Air-conditioning capacity is 16 Hp, or 47 kW, 13 USRT.

Equipment

- Outdoor units: 2 units of 8 Hp heat pump type
- Indoor units: 4 units of Wall Mounted Unit Type
- 6 units of Floor Standing Unit Type
- 5 units of Ceiling Mounted Built-in (or Concealed Ceiling Unit) Type





House of the Future in PORTUGAL

Total floor area is 300 m². This building is in Lisbon. Construction was completed in 2003. The Portuguese 'House of the Future' represents an intriguing opportunity to lift the veil on the way man might hope to live not too long from now. Ergonomically designed with special attention paid to energy efficiency, the outcome is a model of carefully conceived modernity, combining all round simplicity and convenience in living, sleeping, cooking and dining areas without compromising internal comfort.





Air-conditioning capacity is 8 Hp, or 23 kW, 7 USRT.

Equipment

Outdoor units:

1 unit of 8 Hp heat pump type

Indoor units:

2 units of Ceiling Mounted Built-in (or Concealed Ceiling Unit) Type

3 units of Floor Standing Unit Type



Shenzhen Tianhai Garden Apartment in CHINA

Total floor area is 38,000 m² and 32 stories. The luxurious entrance hall heralds the superlative quality of these apartments, matched perfectly by the similar quality of the VRV system. Air conditioning should be able to meet the differing requirements of its users, not only in capability but also in installation scheduling. In this case, the VRV system has been selected for its installation features whether by unit or by floors.



Air-conditioning capacity is 80 Hp, or 233 kW, 66 USRT.

Equipment

Outdoor units: 10 units of 8 Hp heat pump type

Indoor units: 450 units of Wall Mounted Unit Type

35 units of Ceiling Mounted Built-in (or Concealed Ceiling Unit) Type

25 units of Ceiling Mounted Cassette Corner Type





HSBC Senior Staff Residence House Phase I in HONG KONG

Headquartered in London, HSBC is one of the largest banking and financial services organizations in the world. HSBC's international network comprises over 9,800 offices in 77 countries and territories in Europe, the Asia-Pacific region, the Americas, the Middle East and Africa. Construction was completed in 2005. VRV II was selected because HSBC was impressed by the energy savings of the VRV II system installed in their branch office in Hong Kong. Furthermore, use of the new slim design FDX series indoor units minimized the ceiling drop.



Equipment

- Outdoor units: 1 units of 10 Hp heat pump type
1 units of 12 Hp heat pump type
- Indoor units: 10 units of Slim Ceiling Mounted Duct Type
1 units of Wall Mounted Type





Private Bungalow in INDIA



This building is in Ahmedabad, India. Construction was completed in 2004. Total air conditioning area is 1700 m².





Equipment

- Outdoor units: 4 units of 10 Hp cooling only type
- Indoor units: 21 units of Wall Mounted Type
- 1 units of Ceiling Mounted Duct Type
- 2 units of Ceiling Built-in Type





Al-Nokhba Residential Building in KUWAIT



This building is in Kuwait. Construction was completed in 2003.
Total floor area is 5,811 m² and total air conditioning capacity is 300 Hp.



Equipment

Outdoor units: 9 units of 28 Hp heat pump type
2 units of 24 Hp heat pump type
Indoor units: 80 units of Ceiling Mounted Duct Type





Bungalow in MALAYSIA



This building is in Miri, Sarawak. Construction was completed in 2000.

Equipment

Outdoor units: 2 units
Indoor units: 15 units



Bungalow in MALAYSIA

This building is in Penang.
Construction was completed in 2003.

Equipment

Outdoor units: 3 units
Indoor units: 13 units





Ardmore Park in SINGAPORE



Construction was completed in 2002.



Equipment

Outdoor units: 695 units
Indoor units: 2693 units





Emperor Treasure in TAIWAN

This building is in Taipei, Taiwan. Construction was completed in 2005. The project consists of buildings A, B, C, D, E and F. Buildings A and F have a total floor area of 19,720 m² and 18 stories. Buildings B and E have a total floor area of 20,240 m² and 23 stories. Buildings C and D have a total floor area of 37,800 m² and 28 stories. Total floor area is 77,760 m² and total air conditioning capacity is 3330 Hp.



Equipment

Outdoor units: 142 units of 5 Hp heat pump type
60 units of 8 Hp heat pump type
214 units of 10 Hp heat pump type
Indoor units: 2170 units of Ceiling Built-in Type



Dun Feng Apartment Building in TAIWAN



This building is in Taipei. The apartment is listed as one of the top ten buildings in one of Taipei's most exclusive residential areas. Accordingly the developers had to be highly selective in their choice of materials. Furthermore, the air-conditioning system had to be of the highest class. For both these reasons, the VRV system was the clear and highly satisfactory choice.

Air-conditioning capacity is 236 Hp, or 686 kW, 195 USRT.

Equipment

Outdoor units:

22 units of 10 Hp heat pump type

2 units of 8 Hp heat pump type

Indoor units:

180 units of Ceiling Mounted Built-in (or Concealed Ceiling Unit) Type

24 units of Wall Mounted Unit Type

