A single device serves a wide range of water temperature needs, from 4 to 25 °C.

The Daikin inverter chiller meets your requirements for medium-temperature water cooling as well as year-long cooling.

Cautions on product corrosion
1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkali gas, are present.
2. If the outdoor unit is to be installed closer to the sea shore, direct exposure to the sea breeze should be avoided and choose an outdoor unit with anti-corrosion treatment.

Daikin Water Chillers are of the self-contained type. This means that they are assembled, internally wired and charged with refrigerant at the factory for easy installation, only requiring external wiring and plumbing on site.

They are compatible with Daikin’s Air Handling and/or Fan Coil Units.

The specifications, design, and information in this brochure are subject to change without notice.
Daikin's exclusive inverter control technology provides accurately chilled water while reducing equipment costs and energy consumption.

Heat-source system achieves incredible energy savings.

- Inverter control and Daikin's exclusive water-supply control system deliver pinpoint capacity control, sharply reducing waste during operation. With no pumps or other peripheral equipment required, these inverter chillers cut energy consumption by approximately 20% compared with conventional Daikin models.

Approx. 20% energy savings
(Compared to standard models)

Simplifying the peripheral requirements realizes a 20% reduction in equipment costs.

- The inverter chiller regulates capacity with very high precision, eliminating the need for cushion tanks (or significantly reducing the tanks' size) and dramatically cutting the cost of equipment such as three-way valves and pumps. This breakthrough simplifies on-site installation and saves valuable space.

Microcomputer control feature delivers advanced yet convenient operation control.

A range of remote controls is possible through distance control (optional).

- A remote controller* is optional, further expanding the inverter chiller's remarkable feature set while reducing on-site instrumentation costs.

Operation and setting

- Operation setting: Rotary control
- Water temperature setting
- Low start operation during night
- Switching of operating mode: Forced fan operation - Fan operation (Demand control)

Main indications

- Outdoor temperature
- Water temperature setting
- High and low pressure: Multistage control
- Discharge gas temperature - Condenser water temperature
- Condenser water temperature - Control panel

Equipped with rotation control for automatic, highly efficient control of multi-unit operation

- Group control enables a single remote controller to be implemented up to eight areas. (Group control of up to four units for the IBR300/300/300/300)
- Rotary control improves system durability by eliminating situations in which the chiller remains running for long periods even when it's not required, ensuring avoidable waste during off-season operation.
- The number of units in operation is controlled automatically according to need, based on outdoor temperature and set temperature.

A remote controller* is optional, further expanding the inverter chiller's remarkable feature set while reducing on-site instrumentation costs.

*Optional interface adapter required

Operation setting

- Fan operation
- Forced fan operation
- Rotary control
- Rotary control

Outdoor temperature

- Temperature is controlled during the day or period depending on the season, with temperature measured at the site water temperature.

Pump operation

- The outdoor unit performs maximum operation, whether in operation or designed to be operated in cooperation with the set water temperature to control temperature.

Connectable to an Integral Control System for Central Air Conditioning*

- (Optional interface adapter required)

- A range of centrally controlled devices may be freely combined to suit all types of applications and space. This system simplifies the control process by providing total operational control of the inverter chiller and the secondary air-conditioning equipment.

Connectable to the Daikin air conditioning control system
- (Optional interface adapter required)

- The inverter chiller can be connected to the Daikin Building Air-conditioning Control System (BACnet), allowing for various types of high-level and simultaneous control of equipment, such as the RBW MULTI SYSTEM, which permits 24-hour online monitoring to prevent failures and enable rapid response in emergencies.

*For the US/BR/BR/BR models, all units can be connected as one group.