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# Walk-in Cold/Freezer Room



Haier Biomedical walk-in cold rooms are for storage of vaccines and other temperature sensitive products. The complete unit is also designed for installations in housed areas such as warehouses to meet specified temperature standards. These units have been installed in India, Guinea, Syria, Pakistan, Burundi, Zimbabwe and other regions across the world.

## Integral Cold Store Unit

- The cold room is suitable for a variety of applications; it can be used to freeze or refrigerate samples for healthcare, research, agriculture, and biotechnology purposes. In the walk-in cold room (WIC), the interior temperature can be controlled within a range of 2°C to 8°C. In the walk-in freezer (WIF), the temperature is set at -20°C.

## Features of the Cold Room

- The set point of the cold room has an adjustable range of 0°C to 10°C (or -15°C to -25°C for the Freezer Room) with a resolution of 0.1°C.
- High-efficiency CFC-free polyurethane insulation foamed into place. With a density of 42kg/m<sup>3</sup>, a thickness of 100mm and an insulation K-value of 0.22 W/(m<sup>2</sup>)(K) or better.
- Internal and exterior surfaces are made up of hot-dipped galvanized steel sheet, coated in a white polyester coating. The floor is clad with non-slip material.
- Rooms are equipped with tungsten lighting.
- Rooms are equipped with shelving systems on 3 of their walls.
- Dual refrigeration system – while one system is working, the other one is reserved as a back-up.
- Forced air-cooling system
- Door equipped with a lock and heavy-duty hinges, with an internal safety release.
- CFC-free refrigerant
- Automatic defrosting
- A manual change-over switch is offered as standard, an automatic change-over switch is available as an optional extra.
- Temperature recorder and audible alarm system.

## Technical Characteristics of the Refrigerating Unit

- An integrated condenser unit, called Mono block, integrating evaporator, condenser, compressor, electrical control units into one compact body, is used in cold storage rooms with temperature control of -5°C~5°C or -15°C~-20°C, in medical, clinical, agricultural and chemical industries where large scale cold storage is needed.
- Small compact structure.

- Comprises of TECUMSEH hermetic compressors, high efficient, in-grooved copper tube and aluminium fin heat exchangers and leading brand refrigeration parts.
- The electronic control boards manage following parameters: automatic temperature setpoint and control, electric heater defrosting, protection devices for over loading, over-heating, lack of phase, high and low pressure.
- Safe, easy to use and is economical, low cost installation and operation.

## Temperature Recorder

- Upper and lower limits +50°C to -30°C
- Accuracy  $\pm 1^\circ\text{C}$
- Resolution  $\pm 0.5^\circ\text{C}$
- Minimum acceptable recording period between chart changes is 7 days
- USB interface is included

## Specifications

Model	Description
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### HRZK-10G

Power Supply (V/Hz):220/50; Certificate:WHO; PQS; Capacity (m<sup>3</sup>):10; Internal Temperature Range:2-8;

### HRZK-15G

Power Supply (V/Hz):220/50; Certificate:WHO; PQS; Capacity (m<sup>3</sup>):15; Internal Temperature Range:2-8;

### HRZK-20G

Power Supply (V/Hz):220/50; Certificate:WHO; PQS; Capacity (m<sup>3</sup>):20; Internal Temperature Range:2-8;

### HRZK-30G

Power Supply (V/Hz):380/50; Certificate:WHO; PQS; Capacity (m<sup>3</sup>):30; Internal Temperature Range:2-8;

### HRZK-40G

Power Supply (V/Hz):380/50; Certificate:WHO; PQS; Capacity (m<sup>3</sup>):40; Internal Temperature Range:2-8;

### HRZK-40GD

Power Supply (V/Hz):380/50; Certificate:WHO; PQS; Capacity (m<sup>3</sup>):15; 40; Internal Temperature Range:-20; 2-8;

### HRZK-40D

Power Supply (V/Hz):380/50; Capacity (m<sup>3</sup>):40; Internal Temperature Range:-20; Certificate:WHO/PQS

### HRZK-20D

Power Supply (V/Hz):380/50; Certificate:WHO; PQS; Capacity (m<sup>3</sup>):20; Internal Temperature Range:-20;

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