



PRODUCT BROCHURE · HAIER BIOMEDICAL

Yamato INE-800-115V Programmable Refrigerated Eco Incubator, 286 L, 115V

SKU INE-800-115V · Thermal Processing · Forced Convection Incubators



QUICK VIEW

The Yamato INE-800-115V is a 286 L forced-air, programmable refrigerated incubator that both heats and cools — holding an operating range of 0 to +60

SHIP WEIGHT

298 lb

SOURCING

Authorized U.S. distributor

Distributed by Legacy Lab Supplies

legacylabsupplies.com · (855) 746-7557 / 855-SHOP-LLS · quotes in 24 hours



Haier

Mobile Cold Chain

Haier

Haier Biomedical

Refrigeration Vehicle

Intelligent Protection
of Life Science

Qingdao Haier Biomedical Co.,Ltd.

Brand Building, Haier Industrial Park, No. 1
Haier Road, Qingdao, 266101, P.R.China
Tel: +86-0532-88935955
Website: www.haiermedical.com

Note: If a slight difference occurs between pictures and actual products, please refer to actual products. Our company reserves the right of final interpretation of this brochure, please contact us for any further information if required.



www.haiermedical.com

REFRIGERATION VEHICLE

By using data provided by the WHO, up to at least 33% of all vaccines are not usable, this is due to an inadequate cold chain. Using Haier Biomedical's refrigerated vehicles in conjunction with approved vaccine fridges by the WHO/GAVI Alliance further strengthen and ensures the safety and security of the vaccines across the complete cold chain, from manufacture to the end user.



A platform for sharing, an ecosystem of trust.

CONTENT

• Vehicle Specifications	03
• Refrigerated Vehicle Body Specifications	04
• Refrigeration Unit Specifications	05
• Remote Temperature Recording and Cloud Platform	06
• Temperature and Remote Monitoring	06
• Case Study	07
• Awards and Certificates	11

Vehicle Specifications

- Base Vehicle: Chassis Cab with fixed refrigerated body;
- Drive: 4X4 or 4X2 Transmission: Manual;
- Fuel: Diesel;
- Air conditioning;
- Warning audible and visual signals when truck is reversing;
- Lockable doors to body (with top and bottom latches), glove box, and fuel cap;
- Seat belts fitted to all seats;
- Front air-bags fitted to both driver and passenger sides;
- A portable fire extinguisher to be securely mounted in the cab for the flammability Digital tachograph system.



- Readout of temperature in the body to be visible to the driver with an audible alarm.
- Temperature readouts to be electronically recorded for a profile and data history.
- A programmable controller that allows both auto and manual control of temperature and defrost status inside the body.
- Workshop manual, vehicle spare parts kit for three years or 100,000 km.

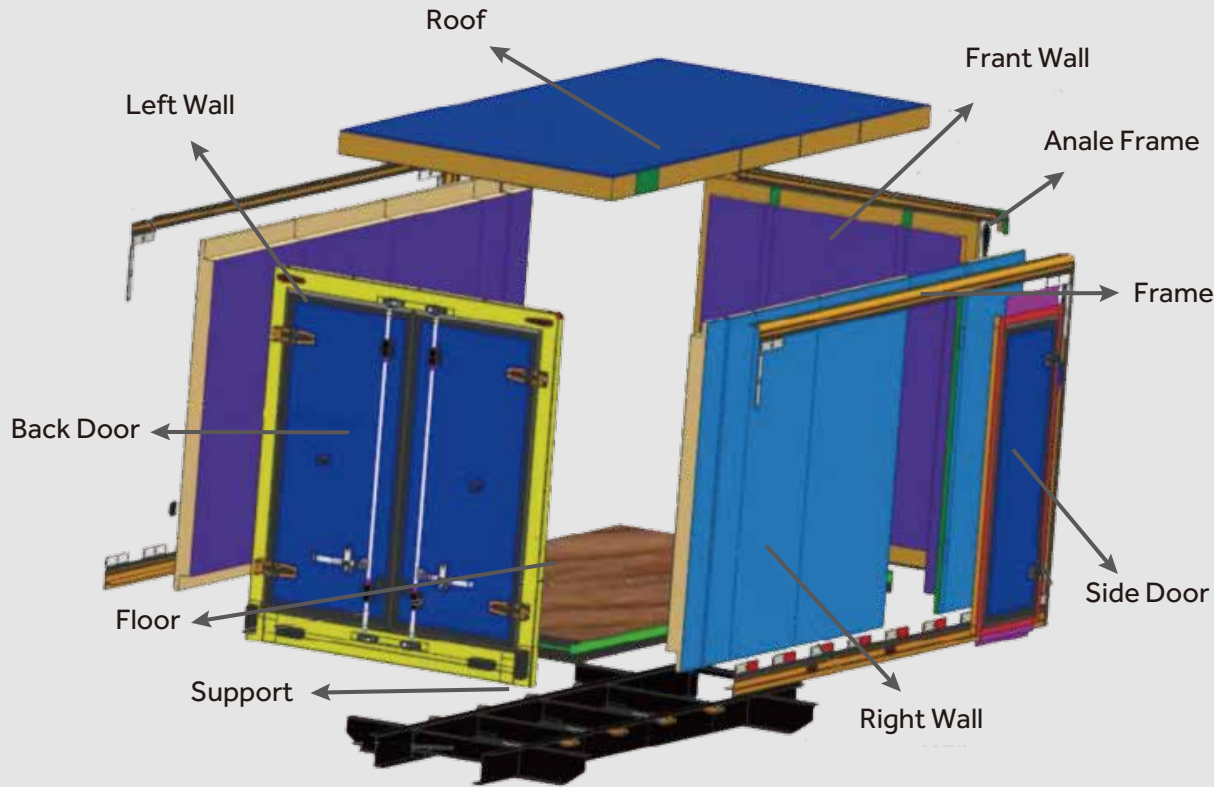
Optional

- Cloud-based GPS/satellite vehicle tracking;
- Cloud-based internal body temperature tracking;
- Foldable stacking boxes, rolling cages or ventilated pallets;
- Transverse moveable partition with side door for access to refrigerated compartment.



Refrigerated Vehicle Body Specifications

- All walls and roof panels, frames and chassis anti-corrosive treated.
- Box body with two doors at the rear for full width opening.
- Emergency exit is possible from the inside of the refrigerated compartment.
- The body is insulated to 0.4W/m2/°C.
- Refrigerated body to have four drains with U bend for release of water – one in each corner of the body.
- Interior has lighting to cater for loading and unloading.
- Reinforced non-slip level flooring with no obstructions.
- Gross body volume to be specified (anticipated volume of load plus 15% for air circulation - volume of load X 1.33T).



Refrigeration Unit Specifications

- In cold climates, heating capacity is standard.
- Single phase 220V-240V motor compressor able to maintain a temperature of 2°C to 8°C ($\pm 2^{\circ}\text{C}$) in an ambient temperature of 43°C.
- Generator for refrigeration unit to use a separate fuel tank from the vehicle's engine fuel tank.
- With provision to pump fuel from the engine tank to refrigeration tank. Minimum fuel capacity to be 24 hours on full vaccine load.
- Two sensors to be fitted to test the warmest and coldest temperature.
- 220V-240V electric standby for refrigeration unit. An automatic selector switch to be provided to select power options between emergency generator power and 220-240V mains power supply.
- Auto defrost.



Remote Temperature Recording and Cloud Platform

- The external temperature sensor measures the temperature, records and stores the measured temperature values automatically, and transmits them to the cloud platform through GPRS, safe and secure remote platform monitoring.
- Real-time monitoring is used for warehousing and distribution of vaccine, blood, reagents and biological products. The application solutions include refrigerated trucks, cold rooms, refrigerated cabinets, refrigerators and freezers.
- Supports national health officers to monitor all the equipment and samples condition centrally and receive data and other required information in real-time.
- It has a GPS location function to track the route.
- WHO/PQS qualified portal: <http://ucoole.haierbiomedical.com>



Temperature and Remote Monitoring



Case Study

Sri Lanka: Vaccine and Blood Logistics



Shunfeng: Pharmacy and Food Logistics



ShangHai HongYu: Biological Supply Chain



China Military: Vaccine and Blood Logistics - 4X4



China Post: Pharmacy and Food Logistics



China Red Cross: Blood Logistics



Case Study

Algeria: Ambulance 4X4



UN: Ambulance 4X4



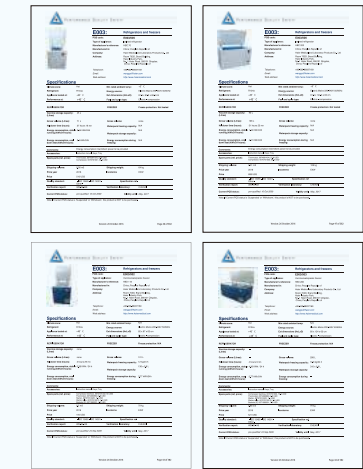
Sri Lanka: Vaccine and Blood Logistics



Chile: Blood Logistics



Milestones & Awards



- Haier Biomedical was awarded an order by India MOHFW to supply 8,559 vaccine freezers and 5,900 ice lined refrigerators.

2008

- Haier Biomedical achieved the LTA (Long Term Agreement) status with UNICEF (United Nations Children's Fund) to supply ice lined refrigerators and vaccine freezers. Additionally, the company became prequalified to meet WHO/PQS standards for cold room and freezer room.

2011

- Haier Biomedical approved for UNICEF tender to supply 100 SDD HTC-60 H refrigerator units to DPR Korea.
- The order marked the first time that the company won SDD refrigerator tenders. Furthermore, the company also provided 400 ice pack freezer units HBD-116 and 400 HBC-200 ice-lined refrigerators to MOH of Sudan.

2013

- More than 3,500 Haier Biomedical vaccine refrigerators were delivered to central and east Africa as well as North Korea. Providing much needed health care improvement for the people in these regions.

2015

- Won tender by CMS Sudan for vaccine immunization to supply 150 solar powered vaccine refrigerator with freezer units. This order marked the third time that Haier Biomedical had won tenders in Sudan;
- Haier Biomedical won an order by MOH of India to supply 11,126 ice pack freezers. To date, more than 40,000 Haier Biomedical vaccine refrigerators and freezers are operating in India.
- Haier Biomedical receives order from PAHO to supply 44 solar powered units of vaccine refrigerator with freezer to Honduras.
- This order is the first time that a China-based company received an order from PAHO.
- UNICEF awarded Haier Biomedical an order to supply 100 solar powered vaccine refrigerators with freezer to India.

2017

- August, Haier Biomedical secure tender from UNICEF to supply 210 solar vaccine refrigerator units to Guinea.
- December, Haier Biomedical secure multiple tenders from UNICEF to supply vaccine refrigerator units;
 - Uzbekistan- 764 vaccine refrigerator units
 - Kyrgyzstan - 632 vaccine refrigerator units
 - Myanmar - 320 solar vaccine refrigerator units

2018

2004

- Winning a WHO (World Health Organization) sponsored project, Haier Biomedical provided 10,000 ice lined refrigerators to India, marking Haier Biomedical's entry into the international market.

2009

- Haier Biomedical's ice lined refrigerator and icepack freezer qualified by WHO/PQS, the first vaccine refrigerator manufacturer in China to achieve this qualification.

2012

- Haier Biomedical's solar direct driven vaccine refrigerators achieved WHO/PQS prequalification status.

2014

- Haier Biomedical's large capacity ice lined refrigerators passed WHO/PQS prequalification.

2016

- The latest design SDD units were qualified to meet WHO/PQS standards. They are now listed on WHO website.
- The SDD models include HTC-110, HTC-40, HTCD-90. All are with Grade A freeze protection and solar power driven without using a battery.
- Supplied 230 ice lined refrigerators to UNICEF Turkmenistan and the Ukraine. Shipped 275 solar driven blood bank refrigerators to MOH of Congo.
- Supplied 100 ice lined refrigerators under a WHO contract to Namibia.

2019

- Haier Biomedical secured UN bids for vaccine cold chain projects in 9 countries, including Uzbekistan, Kyrgyzstan, Tajikistan, Rwanda, Zimbabwe, Central Africa, Mauritania, Liberia and Niger. The numbers approved for delivery into these countries is more than 4,500 units.
- October 25th: Science and Technology Innovation Board today unveiled the New Bio-Identity of Haier Biomedical: 688139. Science and Technology Innovation Internet of Things Board - was officially born!

