



**Haier Medical and Laboratory  
Products Co.,Ltd**

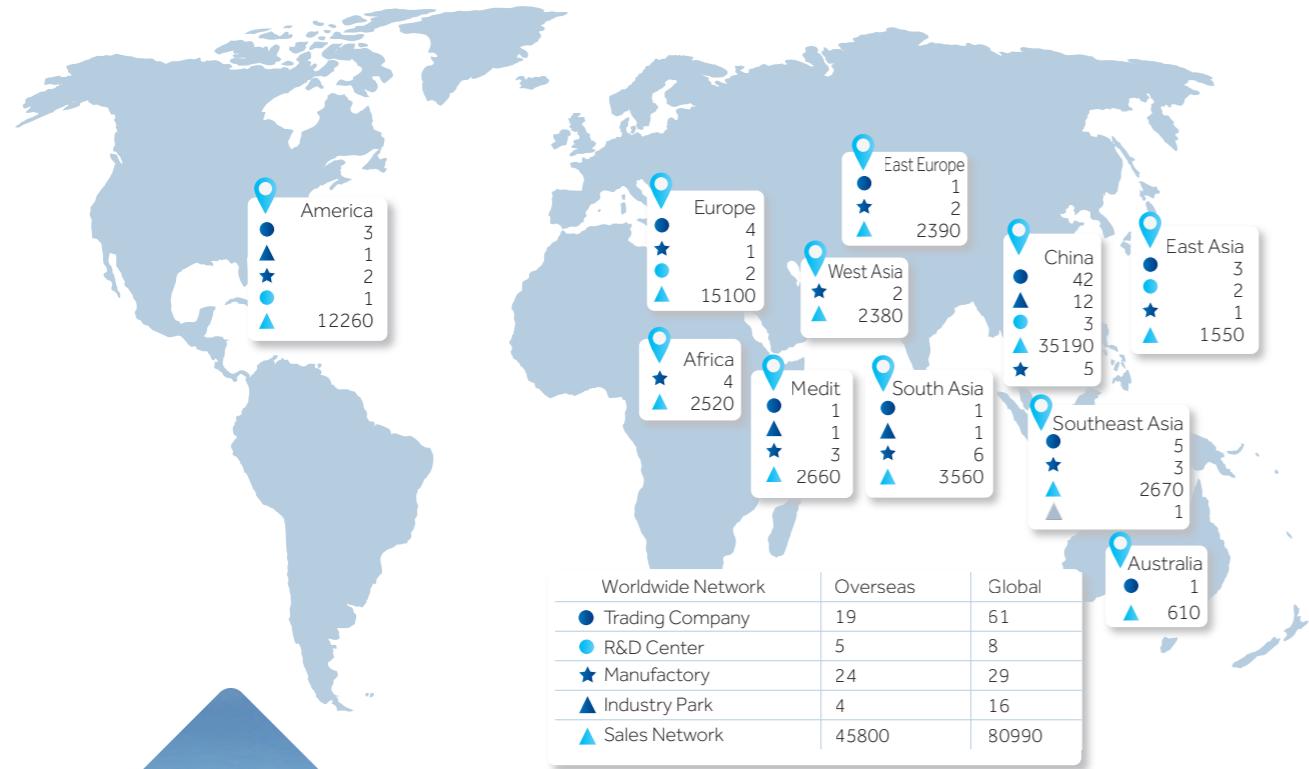
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**Haier Biomedical  
Premium Product**

## Factories Around the World



Established in 1984, Haier is the world's No. 1 major appliance brand. It has transformed from an enterprise that manufactures household appliances to a platform that incubates entrepreneurs for the whole society. In the Internet age, Haier aims to become a Networked Enterprise which overturns its self-contained enclosed system and fits into the Internet as a node that can connect various resources, with a view to building post-e-commerce ecosystems based on user value interaction for co-creation and winning together to add value for all stakeholders.

On Haier's entrepreneurial platform there are two listed companies: Qingdao Haier (600690.SH) and Haier Electronics (01169.HK). The main focus of Haier Group is the innovation on three platforms: white household appliance, investment incubation and finance holding platforms.

Through its exploration into the Internet Model, Haier Group has achieved steady growth. In 2015, Haier achieved a global turnover of 188.7 billion yuan with a compound growth rate of 6% over the past decade, and a total profit of 18 billion yuan with a 20% year-on-year growth rate and 30% compound growth rate over the past decade, 5 times that in revenue. The online trade volume reached 157.7 billion yuan, a year-on-year growth of nearly 200%. With the rapid development of Internet finance, the trade volume on the Internet platform totaled over 70 billion yuan. By the end of 2015, Haier's platforms have attracted over 4,700 first-rate external resources, 3 billion yuan of VC fund, 1,330 VC institutions and 103 incubators, setting the stage for 1,160 projects. Over 3,800 node microenterprises and nearly one million microstores on Haier's platforms are socializing their capital and human resources. More than 100 microenterprises boast an annual revenue of over 100 million yuan, and 22 have introduced VC, and 12 are valued at over 100 million yuan. Due to Haier's transformation through decentralization, disintermediation and removing the "insulated wall", the employees have decreased from the highest 110,000 to less

than 60,000, but Haier's platforms have offered over 1 million jobs for the whole society.

Haier's model innovation has not only been acknowledged by authoritative experts, but also verified by practical tests. In 2011, Haier announced the acquisition of Sanyo's white goods business in Japan and Southeast Asia. In 2012, Haier completed the purchase of New Zealand's iconic home appliances company Fisher & Paykel Appliances (F&P). On January 15, 2016, Haier's globalization opened up a "historic page" - Haier signed a memorandum of strategic cooperation with GE to integrate GE's home appliances business, which set not only a new example for business cooperation between large Chinese and US enterprises, but also a new alliance model that rises above price-based trading. Haier's global brands include Haier, Casarte, Goodaymart, AQUA, Fisher & Paykel and Leader, which bring best user experience from different fields.



## Haier Biomedical

Founded in 1998, Haier Biomedical is based in China. We design, manufacture and market laboratory equipment for the global market. Our products are designed to enable scientific researchers across the globe to perform research projects and to produce pharmaceutical products. Our products include ultra-low temperature ULT freezers, blood banks, pharmacy refrigerators, ice-lined vaccine refrigerators, laboratory freezers, washers, fume hoods, biosafety cabinets and other types of equipment for the laboratory and medical applications. Installations can be found in blood banks, hospitals, epidemic prevention services, universities, pharmaceutical manufacturers, and national laboratories. The successful growth of our business drove a continuous development of our manufacturing ability. Along with many state of the arts manufacturing equipment, we added a new factory in 2013 to meet the increasing demand of our customers.

Headquartered in Qingdao, China, our company is a part of Haier Group Company which is highly ranked as one of the key global manufacturers of durable goods. In addition to certification with ISO9001 quality system, ISO14001 environment protection system, and ISO13485:2003 quality system, the company has been awarded the People's Republic of China Medical Device Manufacturing Enterprise License, People's Republic of China Medical Device Registration Record, and Record of Medical Device For Medical Device Category A,B and C from the State Food and Drug Administration.

Our research and development team consists of highly qualified and selective professionals specialized in refrigeration technology, control technology, remote sensing, sample protection and handling, and networking technology.

Our business strategy and technological advancement have been very effective since the founding of the company. We now have shipped products to clients in over 100 countries. Moreover, Haier Biomedical and Chinese aerospace industry have been cooperating for 10 years, and launch the Shenzhou XI in Oct 2016.

**2015**

In 2015, more than 3500 vaccine refrigerators have been delivered to Middle East and Africa. Haier walk-in cold room has successfully won the bidding aid to Afghanistan from WHO, aid to Philippines, Syria and Jordan from UNICEF.

**2013**

Haier successfully provided MOH tender of Uzbekistan, Sudan, Tanzania, Uganda and Madagascar etc., which is a new important milestone to develop the African market.

**2011**

Haier won the tender "Third National HIV/AIDS Control Project (NACP - III)" from India ministry of Health and successfully supplied and installed Blood Bank Refrigerators, -86°C ULT Freezers and -40°C Deep Freezers.

**2009**

World Health Organization (WHO) qualified Haier Medical as the supplier of ice-lined refrigerators and -25°C vaccine and ice pack freezer lines. The pre-qualified models include HBC-70, HBC-200, HBD-286, HBD-116.

**2007**

Haier won the government procurement tender for International Assistance Program to Cuba from China.

**2005**

Haier -150°C cryogenic freezer launched into the market—Haier medical and laboratory freezers covered most of the temperature range required by market.

**1998**

The Deep Freezer(-40°C) came out, Haier entered into Medical and Laboratory Industry.

**2016**

In 2016, Haier Biomedical successfully won the 1515 units vaccine refrigerator bid from the Philippines Department of Health; Haier Biomedical enjoyed a good reputation for the high quality. In European market, Haier Biomedical won the 337 units pharmacy refrigerator bid from Madrid Health Service in Spain. And in CIS (Commonwealth of Independence States) and Africa, Haier ULT freezer and blood bank refrigerator also successfully won the bid from the Department of Health. Haier Biomedical products gained more and more approvals from international healthy organizations.

**2014**

Haier Biomedical inaugurated a new state-of-the-art manufacturing facilities for high quality production of medical cold chain products. The world most energy-saving ULT Freezer was launched by Haier Biomedical. 1000 units HTC-60H were delivered to Ethiopia.

**2012**

Haier won MOH tender of blood bank refrigerators and -86°C ULT freezers in Russia market.

**2010**

Haier Medical successfully won the bid of 20,930 units vaccine refrigerator from UNOPS (United Nations Program India Purchasing Agency).

**2008**

Haier Blood Transportation Box – HXC-80, won the bid of UNOPS India/NACO/BT B/35/2008, from India National AIDS Control Organization.

**2006**

Haier became the first China based company to be certified to ISO13485:2003.

**2004**

Haier was awarded with an order from World Health Organization (WHO) and entered into the international market.

### ► ULT Freezer



DW-86L728J/578J

- World Leading Energy-efficient
- Hydrocarbon Refrigeration System
- Reliable Sample Protection
- Excellent Insulation Performance
- Multi Function Alarms

### ► ULT Freezer



DW-86L959/729

- LCD Touch Screen
- Unique Inventory Management System
- World Largest Capacity
- Global Most Energy-efficient
- Multi Function Alarms

### ► Biomedical Freezer



DW-40L508/348

- Double Door Design
- Double Capillary Tube
- Improved Door Seal
- Label Drawers
- Multi Function Alarms

### ► Combined Refrigerator and Freezer



HYCD-282/282A

- Refrigerator & Freezer Combination
- Independent Display for Refrigerator and Freezer
- Drawer with Plexiglass Dividers
- Multi Function Alarms

### ► Pharmacy Refrigerator

HYC-390/290



- New Appearance, More Intelligent
- USB Data Port
- Electrically Heated Glass Door
- Optional Printer
- Adjustable Shelves

### ► Under-counter Pharmacy Refrigerator

HYC-118A/118



- Under-counter Models
- Electrically Heated Glass Door
- Optimized Refrigeration System
- Drawers and Shelves Storage
- Audible and Visible Alarm

### ► Blood Bank Refrigerator

HXC-358B



- Consistent Cabinet Temperature  $4\pm1^{\circ}\text{C}$
- Microprocessor Control
- Auto Defrost
- Optional Drawers or Blood Baskets
- Multi Function Alarms

### ► Ice Lined Refrigerator

HBC-340/110



- WHO/PQS Approved
- Large Capacity
- CFC-Free
- Stainless Steel Interior
- Ice-packs Built In

### ► Solar Direct Drive Vaccine Refrigerator

HTC-60H



- Solar Drive,Green and Environment Friendly
- LCD Temperature Display
- Lockable Door Design
- Microprocessor Control

### ► Solar Direct Drive Combined Refrigerator/Freezer

HTCD-160



- Solar Drive,Green and Environment Friendly
- Double Function: Storing Vaccines and Freezing Icelpacks
- High/Low Temperature and Sensor Error Alarms
- Lockable Door Design

### ► Biological Safety Cabinet

HR1200-IIA2



- EN12469 & NSF Certificated
- Patent Intelligent Constant Air Velocity
- Low Noise Safety Energy-saving Mode
- Unique Drop-down Front Glass Window
- Patented Technology of Air Flow Recirculation

### ► Clean Bench

HCB-900V/HCB-1300V



- High Efficiency ULPA Filter
- UV Lamp One-key Preset
- Patented Technology of Pre-cleaning Function
- 304 Stainless Operation Platform

## Haier Biomedical Models Line-up



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HYC-360 HYC-390 HYC-390F HYC-610 HYC-940 HYC-940F HYC-1378

## Ice-Lined Refrigerator



HBC-70 HBC-110 HBC-200 HBC-340 HTCD-160 HTC-60H

## Vaccine & Icepack Freezer



HTC-40 HTC-110 HTD-40 HTCD-90 HBD-116 HBD-286

## Blood Bank Refrigerator

### Baskets



HXC-158 HXC-358 HXC-608

### Drawers



HXC-1308 HXC-158B HXC-358B HXC-608B HXC-1308B

## Clean Bench



HCB-900V HCB-1300V

## Biological Safety Cabinet



TYPE A2

New Generation



Liquid Nitrogen Container

CO<sub>2</sub> Incubator

Lab Centrifuge

Water Purification System

## TYPE B2



HR1500-IIA2 HR40-IIB2

# Specification List

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Model	Temperature Range(°C)	Power Supply (V/Hz)	Power (w)	Capacity (L/Cu.Ft)	Net/Gross(kg) Weight (approx) (lbs)	Interior Dimension (W*D*H)	Exterior Dimension (W*D*H)	Packing Dimension (W*D*H)	Container load (20'/40'/40'H)	Shelves/ Inner Doors	USB Interface	Certificate
<b>-150°C Cryo Freezer</b>												
DW-150W200	-126~-150	380/50	2800	200/7.1	315/385	667*462*650(mm)	1670*850*1060(mm)	1695*940*1240(mm)	6/13/13	-/2	/	/
					695.0/849.5	26.3*18.2*25.6(in)	65.7*33.5*41.7(in)	66.7*37*48.8(in)				
<b>-86°C ULT Freezer</b>												
DW-86L338	-40~-86	220-240/50 208-230/60 115/60	900 1000 1200	338/11.9	238/278	465*630*1165(mm)	812*893*1846(mm)	875*970*2010(mm)	12/24/24	3/2	Y	CE,UL
					524.7/612.9	18.3*24.8*45.9(in)	32.0*35.2*72.7(in)	34.5*38.2*79(in)				
DW-86L388A	-40~-86	220-240/50	1000	388/13.7	255/286	465*630*1310(mm)	812*893*1980(mm)	875*970*2135(mm)	12/24/24	3/2	Y	CE
					562.2/630.5	18.3*24.8*51.6(in)	32.0*35.2*78.0(in)	34.5*38.2*84.1(in)				
DW-86L486	-40~-86	220-240/50 208-230/60 115/60	1000 1000 1200	486/17.1	290/310	590*630*1310(mm)	945*900*1980(mm)	995*995*2150(mm)	12/24/24	3/4	Y	CE,UL
					639.3/683.4	23.3*24.8*51.6(in)	37.2*35.4*78.0(in)	39.2*39.2*84.6(in)				
DW-86L578	-40~-86	208-230/60 115/60	1000	578/20.4	300/330	620*716*1310(mm)	895*980*1980(mm)	1055*950*2150(mm)	12/24/24	3/4	Y	UL
					661.4/727.5	24.4*28.2*51.6(in)	35.4*38.6*78.0(in)	41.5*37.4*84.6(in)				
DW-86L628	-40~-86	220-240/50 208-230/60 115/60	1200	628/22.2	301/323	760*630*1310(mm)	1035*900*1980(mm)	1080*965*2150(mm)	12/24/24	3/4	Y	CE,UL
					663.6/712.1	29.9*24.8*51.6(in)	40.7*35.4*78.0(in)	42.5*38*84.6(in)				
DW-86L728	-40~-86	220-240/50 208-230/60 115/60	1200	728/25.7	345/385	766*716*1310(mm)	1041*980*1980(mm)	1090*1050*2150(mm)	12/20/20	3/4	Y	CE,UL
					760.6/848.8	27.0*28.2*51.6(in)	36.7*38.6*78.0(in)	43*41.3*84.6(in)				
DW-86L828	-40~-86	220-240/50 208-230/60	1200	828/29.2	380/410	870*716*1310(mm)	1145*980*1980(mm)	1190*1045*2150(mm)	8/20/20	3/4	Y	CE,UL
					837.8/903.9	34.3*28.2*51.6(in)	45.1*38.6*78.0(in)	46.9*41.1*84.6(in)				
DW-86L828W	-40~-86	220-240/50	1200	828/29.2	380/410	870*716*1310(mm)	1145*980*1980(mm)	1190*1045*2150(mm)	8/20/20	3/4	Y	CE
					837.8/903.9	34.3*28.2*51.6(in)	45.1*38.6*78.0(in)	46.9*41.1*84.6(in)				
DW-86L959W	-40~-86	220-240/50	1300	959/33.9	450/485	1016*716*1310(mm)	1296*998*1980(mm)	1365*1105*2150(mm)	8/16/16	3/4	Y	CE
					992.1/1069.2	40.4*28.2*51.6(in)	51.0*39.3*78.0(in)	53.7*43.5*84.6(in)				
DW-86L338J	-40~-86	220-240/50	900	338/11.9	238/278	465*630*1165(mm)	812*893*1846(mm)	875*970*2010(mm)	12/24/24	3/2	Y	CE
					524.7/612.9	18.3*24.8*45.9(in)	32.0*35.2*72.7(in)	34.5*38.2*79(in)				
DW-86L388J	-40~-86	220-240/50	1000	388/13.7	255/286	465*630*1310(mm)	812*893*1980(mm)	875*970*2135(mm)	12/24/24	3/2	Y	CE
					562.2/630.5	18.3*24.8*51.6(in)	32.0*35.2*78.0(in)	34.5*38.2*84.1(in)				
DW-86L490J	-40~-86	220-240/50 208-230/60	900 1000	490/17.3	295/335	590*630*1310(mm)	860*900*1980(mm)	925*985*2150(mm)	12/24/24	3/4	Y	CE
					650.4/738.5	23.3*24.8*51.6(in)	33.9*35.4*78.0(in)	36.4*38.5*84.6(in)				
DW-86L578J	-40~-86	220-240/50	900	578/20.4	300/330	620*716*1310(mm)	895*980*1960(mm)	1055*950*2125(mm)	12/24/24	3/4	Y	CE
					661.4/727.5	24.4*28.2*51.6(in)	35.4*38.6*78.0(in)	41.5*37.4*83.7(in)				
DW-86L728J	-40~-86	220-240/50	1000	728/25.7	345/385	766*716*1310(mm)	1041*980*1980(mm)	1090*1050*2150(mm)	12/20/20	3/4	Y	CE
					760.6/848.8	27.0*28.2*51.6(in)	36.7*38.6*78.0(in)	43*41.3*84.6(in)				
DW-86L828J	-40~-86	220-240/50	1000	828/29.2	380/410	870*716*1310(mm)	1145*980*1980(mm)	1190*1045*2150(mm)	8/20/20	3/4	Y	CE
					837.8/903.9	34.3*28.2*51.6(in)	45.1*38.6*78.0(in)	46.9*41.1*84.6(in)				
DW-86L729	-40~-86	220-240/50 208-230/60	1200	729/25.7	350/385	776*716*1310(mm)	1046*998*1980(mm)	1100*1095*2150(mm)	10/20/20	3/4		

# Specification List

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Model	Temperature Range(°C)	Power Supply (V/Hz)	Power (w)	Capacity (L/Cu.Ft)	Net/Gross(kg) Weight (approx) (lbs)	Interior Dimension (W*D*H)	Exterior Dimension (W*D*H)	Packing Dimension (W*D*H)	Container load (20'/40'/40'H)	Shelves/Inner Doors	USB Interface	Certificate
<b>Under-counter Pharmacy Refrigerator</b>												
HYC-68	2~8	220-240/50 115/60	84 68	68/2.4	38/40	415*385*505(mm)	495*580*660(mm)	540*640*710(mm)	108/228/228	2/1	N/A	CE,UL
					83.8/88.2	16.3*15.2*19.9(in)	19.5*22.8*26.0(in)	21.3*25.2*28.0(in)				
HYC-68A	2~8	220-240/50 115/60	84 68	68/2.4	38/40	415*385*505(mm)	495*580*660(mm)	540*640*710(mm)	108/228/228	2/1	N/A	CE,UL
					83.8/88.2	16.3*15.2*19.9(in)	19.5*22.8*26.0(in)	21.3*25.2*28.0(in)				
HYC-118	2~8	220-240/50 115/60	135 75	118/4.2	41/46	515*415*630(mm)	597*635*835(mm)	680*690*910(mm)	48/102/102	3/1	N/A	CE,UL
					90.5/101.5	20.3*16.3*24.8(in)	23.5*25.3*32.9(in)	26.8*27.2*35.8(in)				
HYC-118A	2~8	220-240/50 115/60	165 140	118/4.2	46/51	515*415*630(mm)	597*635*835(mm)	680*690*910(mm)	48/102/102	3/1	N/A	CE,UL
					101.5/112.5	20.3*16.3*24.8(in)	23.5*25.3*32.9(in)	26.8*27.2*35.8(in)				
Model	Temperature Range(°C)	Power Supply (V/Hz)	Power (w)	Capacity (L/Cu.Ft)	Net/Gross(kg) Weight (approx) (lbs)	Interior Dimension (W*D*H)	Exterior Dimension (W*D*H)	Packing Dimension (W*D*H)	Container load (20'/40'/40'H)	Shelves/Baskets	Certificate	
<b>Ice-Lined Refrigerator</b>												
HBC-70	2~8	220-240/50 220-240/60	156 180	45/1.6	75/79	400*360*610(mm)	670*630*818(mm)	755*760*880(mm) 29.7*29.9*34.6(in)	42/90/135 28/56/56 (Paper) (Wooden)	3	CE,WHO/PQS	
					1279/141.1	15.7*14.2*24.0(in)	26.4*24.8*32.2(in)	820*820*1045(mm) 32.3*32.3*41.1(in)				
HBC-110	2~8	220-240/50	155	52.5/1.8	87/93	595*360*610(mm)	860*630*818(mm)	950*760*880(mm) 37.4*29.9*34.6(in)	36/72/108 20/44/44 (Paper) (Wooden)	5	CE,WHO/PQS	
					191.8/205.0	23.4*14.2*24.0(in)	33.9*24.8*32.2(in)	1000*820*1045(mm) 39.4*32.3*41.1(in)				
HBC-200	2~8	220-240/50 208-230/60	208 205	90/3.3	108/114	970*360*610(mm)	1243*630*818(mm)	1325*760*880(mm) 52.2*29.9*34.6(in)	24/54/81 16/32/32 (Paper) (Wooden)	9	CE,WHO/PQS	
					238.1/251.3	38.2*14.2*24.0(in)	48.9*24.8*32.2(in)	1375*820*1045(mm) 54.1*32.3*41.1(in)				
HBC-340	2~8	220-240/50/60	264	211/7.4	152/165	1410*415*645(mm)	1650*650*855(mm)	1705*760*1010(mm) 67.1*29.9*39.8(in)	18/42/42	11	CE,WHO/PQS	
					335.1/399.0	55.5*16.3*25.4(in)	65.0*25.6*33.7(in)	/				
<b>SDD Vaccine Refrigerator</b>												
HTCD-160	freezer: ≤-10 refrigerator: 2~8	24	255W*3	100/3.5	160/186	Freezing Chamber: 560*520*150(mm) 22.0*20.5*5.9(in)	865*825*1695(mm)	960*890*1860(mm)	12/26/26	2(Cooling Chamber)	CE,WHO/PQS	
					353/410	Cooling Chamber: 545*500*530(mm) 21.4*19.7*20.8(in)	34.1*32.5*66.7(in)	37.8*35.0*73.2(in)				
HTC-60H	2~8	12	120W*3	21/0.7	88/110	245*450*610(mm)	788*654*875(mm)	865*770*1080(mm)	36/78/78	2	CE,WHO/PQS	
					194/243	9.6*17.7*24.0(in)	31.0*25.7*34.4(in)	34.1*30.3*42.5(in)				
HTC-40	2~8	24	180W*2	22.5/0.8	55/75	200*345*575(mm)	788*645*875(mm)	835*770*1080(mm)	36/78/78	2	CE,WHO/PQS	
					121/165	7.9*13.6*22.6(in)	31.0*25.4*34.4(in)	32.9*30.3*42.5(in)				
HTC-110	2~8	24	180W*2	59/2.08	69/92	545*345*575(mm)	1128*645*875(mm)	1175*770*1080(mm)	30/60/60	4	CE,WHO/PQS	
					151/202	21.5*13.6*22.6(in)	44.4*25.4*34.4(in)	46.3*30.3*42.5(in)				
HTD-40	≤-10	24	180W*2	/	65/85	265*370*575(mm)	788*654*875(mm)	835*770*1080(mm)	36/78/78	2	CE,WHO/PQS	
					143/187	10.4*14.6*22.6(in)	31.0*25.7*34.4(in)	32.9*30.3*42.5(in)				
HTCD-90	freezer: ≤-10 refrigerator: 2~8	24	180W*4	37.5/1.3	83/108	Cooling chamber: 270*345*555(mm) 10.6*13.6*21.9(in)	1128*645*875(mm)	1175*770*1080(mm)	30/60/60	4	CE,WHO/PQS	
					183/238	Freezer chamber: 170*370*575(mm) 6.7*14.6*22.6(in)	44.4*25.4*34.4(in)	46.3*30.3*42.5(in)				
<b>Vaccine&amp;Icepak Freezer</b>												
HBD-116	-15~25	220-240/50 208-230/60	138 166	97/3.4	50/55	497*457*655(mm)	670*630*818(mm)	(Paper) 755*760*880(mm) 29.7*29.9*34.6(in)	42/90/135 (Paper)	2	CE,WHO/PQS	
					110.3/121.3	19.6*18.0*25.8(in)	26.4*24.8*32.2(in)	(Wooden) 820*820*1045(mm) 32.3*32.3*41.1(in)				
HBD-286	-15~25	220-240/50	185	258/9.1	79/85	1067*457*655(mm)	1240*630*818(mm)	(Paper) 1325*760*880(mm) 52.2*29.9*34.6(in)	24/54/81 (Paper)	3	CE,WHO/PQS	