



COLD CHAIN PRODUCT

Laboratory/Blood Bank Refrigerator

-25°C/-40°C/-60°C/-86°C/-150°C Freezer

Freeze Dryer

Automatic Ice Maker

Liquid Nitrogen Tank



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SCITEK

SCITEK GLOBAL CO.,LTD

ABOUT SCITEK

SCITEK GLOBAL IS PROFESSIONAL MANUFACTURER OF LABORATORY INSTRUMENTS AND MEDICAL DEVICES, CERTIFIED BY ISO9001, ISO13485 AND ISO14001. PRODUCTS ARE CERTIFIED BY ETL, CE AND FDA ETC. WE LOOK FORWARD TO ESTABLISHING COOPERATION WITH MORE DISTRIBUTORS ALL OVER THE WORLD, AND WORKING TOGETHER TO CREATE GREATER CUSTOMER VALUE. TOGETHER WE WILL BE DIFFERENT.

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ISO 14001



ISO 9001



ISO 45001



CE



CE



CE



CE

-86°C Upright Freezer



Description

-86°C Ultra Low Temperature Freezer are specially designed to store viruses, pathogens, blood cells and other biological sample. Widely used in hospitals, disease control department, research institutions and biomedical engineering.



(Optional Rack and Box)



Advantage

- High-performance V.I.P. (Vacuum Insulation Panel) insulation panels are used to minimize cabinet heat gain and improve temperature stability.
- Efficient cooling system operates the mixed refrigeration system for rapid and stable cooling, while being energy-saving and easy to maintain.
- The inner door has a unique design that separates storage compartments and minimizes frost buildup inside the chamber.
- Upright door with limit door hinge prevents collision when door opens.
- Lockable universal caster wheels for easy moving. Removable inner door for user to defrost and clean.

Reliability

- Safety password protected control panel prevents unauthorized system modification.
- Audible buzzer and visible flashing temperature alarm system for High/low temperature, Sensor error, Thermostat failure alarm, power failure alarm, door switch, ambient temperature alarm, condenser failure alarm, filter check alarm, voltage abnormal alarm, low battery alarm.
- Door lock for storage safety.

Ergonomic Design

- Upright door with limit door hinge prevents collision when door opens.
- Controller password protected to avoid unauthorized system modification.
- Lockable universal caster wheels for easy moving.
- Removable inner door for user to defrost and clean.



Adjustable Shelves



Multi-layer Silicone Seals

-86°C Upright Freezer



Specification

Model		UFZ-86V60E	UFZ-86V180E	UFZ-86V340E	UFZ-86V410E	UFZ-86V590E	UFZ-86V730E	UFZ-86V840E
Capacity (L)		58	188	340	408	588	728	838
Size (W×D×H)	Internal (mm)	330×453×410	465×465×830	488×607×1140	606×575×1180	606×738×1310	963×571×1350	894×718×1310
	External (mm)	635×757×1212	830×810×1607	854×1006×1907	872×1028×1945	891×1155×1995	1248×975×1995	1179×1135×1995
Temperature	Range (℃) at RT.10~32℃	-40~-86	-40~-86	-40~-86	-40~-86	-40~-86	-40~-86	-40~-86
	Sensor	PTC	PTC	PTC	PTC	PTC	PTC	PTC
	Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Cooling System	Refrigerant	R4001 (CFC Free)	R4001 (CFC Free)	R4001 (CFC Free)	R4001 (CFC Free)	R4001 (CFC Free)	R4001 (CFC Free)	R4001 (CFC Free)
	Defrost	Manual	Manual	Manual	Manual	Manual	Manual	Manual
	Compressor (Qty)	SECOP/1	CUBIGEL/1	SECOP/1	SECOP/1	SECOP/2	SECOP/2	SECOP/2
Display		Digital display	Digital display	Digital display	Digital display	Digital display	Digital display	Digital display
Audible & Visible Alarm		High/Low temperature, High ambient temperature, Sensor error, Abnormal voltage, Low battery, Door ajar, 72h Power failure backup system(alarm)			High/Low temperature, High ambient temperature, Sensor error, Abnormal voltage, Low battery, Door ajar, 72h Power failure backup system(alarm)			
Material	Internal	Stainless steel, grade 304			Stainless steel, grade 304			
	External	Electro-galvanized steel with antimicrobial powder coating			Electro-galvanized steel with antimicrobial powder coating			
	Inner Door	Stainless steel, grade 304			Stainless steel, grade 304			
Accessories	Standard	USB port, Casters, Remote alarm port, 25mm Test hole			USB port, Casters, Remote alarm port, 25 Test hole			
	Optional	Data logger, Back up system (CO ₂ /LN ₂)			Data logger, Back up system (CO ₂ /LN ₂)			
	Chart Recorder	/	/	/	/	Optional	Optional	Optional
Shelves (Qty)		1	2	3	3	3	3	3
Optional Frozen Racks		2 (6×2)	12 (4×3)	12 (4×4)	8 (5×4) +8 (4×4)	16 (5×5)	18(5×4)+6(6×4)	24(5×5)
Racks (Qty)	Boxes (2 Inches)	24	108	192	288	400	504	600
	Samples (2ml)	2400	10800	19200	28800	40000	50400	60000
Sound Emission (dB)		50	52	52	50	53	53	55
Electricity	Power Supply	AC110/220V±10%, 50/60Hz			AC110/220V±10%, 50/60Hz			
	Consumption (W)	442	660	810	890	1500	1400	1700
N.W. / G.W. (kg)		112/146	195/220	225/285	235/280	283/346	316/392	332/407
Shipping Size (W×D×H) (mm)		735×850×1410	920×890×1820	960×1100×2090	960×1030×2120	975×1185×2200	1330×1020×2200	1270×1170×2200

-86°C Upright Freezer



Advantage

- Accurate microprocessor-controlled system ensures temperature range of -86 °C to -40 °C for chamber space with 1 °C increment.
- Powerful cooling system with unique design supports rapidly temperature decrease.
- Safety inner door design gives more tight seal for freezer. Allow users to suit needs together with adjustable shelves.
- Chamber material made by 304 stainless steel for friendly cleaning.

Reliability

- Safety password protected control panel prevents unauthorized system modification.
- Audible buzzer and visible flashing temperature alarm system for high/low temperature, sensor error, thermostat failure alarm, power failure alarm, door switch, ambient temperature alarm, condenser failure alarm, filter check alarm, voltage abnormal alarm, low battery alarm.
- Door lock for storage safety.

Ergonomic Design

- Upright door with limit door hinge prevents collision when door opens.
- Controller password protected to avoid unauthorized system modification.
- Lockable universal caster wheels for easy moving.
- Removable inner door for user to defrost and clean.



Touch Screen



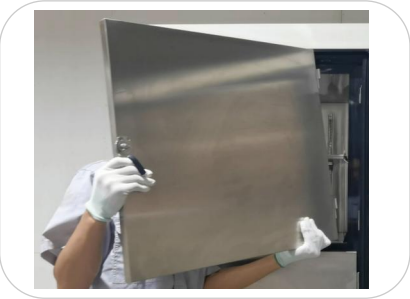
Quick-release Filter



Adjustable Shelves



Multi-layer Silicone Seals



Removable Inner Door

Optional

Temperature recorder,frozen racks and frozen boxes ,back up system (CO2 / LN2).

-86°C Upright Freezer



Specification

Model		UFZ-86V340	UFZ-86V410	UFZ-86V590	UFZ-86V730	UFZ-86V840
Capacity (L)		338	408	588	728	838
Size (W×D×H)	Internal (mm)	488×607×1140	606×575×1180	606×738×1310	963×571×1350	894×718×1310
	External (mm)	854×1072×1907	891×992×1945	891×1155×1995	1248×975×1995	1179×1135×1995
Temperature	Range (℃) at RT.10~32℃	-40~-86	-40~-86	-40~-86	-40~-86	-40~-86
	Sensor	PTC	PTC	PTC	PTC	Microprocessor
	Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	HC(CFC Free)
Cooling System	Refrigerant	HC(CFC Free)	HC(CFC Free)	HC(CFC Free)	HC(CFC Free)	Manual
	Defrost	Manual	Manual	Manual	Manual	SECOP/2
	Compressor (Qty)	SECOP/2	SECOP/2	SECOP/2	SECOP/2	LCD display
Display		LCD display	LCD display	LCD display	LCD display	
Audible & Visible Alarm		High/Low temperature, High ambient temperature, Sensor error, Abnormal voltage, Low battery, Door ajar, 72h Power failure backup system(alarm)		High/Low temperature, High ambient temperature, Sensor error, Abnormal voltage, Low battery, Door ajar, 72h Power failure backup system(alarm)		
Material	Internal	Stainless steel, grade 304		Stainless steel, grade 304		
	External	Electro-galvanized steel with antimicrobial powder coating		Electro-galvanized steel with antimicrobial powder coating		
	Inner Door	Stainless steel, grade 304		Stainless steel, grade 304		
Accessories	Standard	USB port, Casters, Remote alarm port		USB port, Casters, Remote alarm port		
	Test Hole(Qty)/Dismeter(mm)	2/25	1/25	1/25	1/25	1/25
	Optional	Data logger, Back up system (CO ₂ /LN ₂)		Data logger, Back up system (CO ₂ /LN ₂)		
	Chart Recorder	Optional	Optional	Optional	Optional	Optional
Shelves / Drawers (Qty)		Shelves/3	Shelves/3	Shelves/3	Shelves/3	Shelves/3
Optional Frozen Racks (Qty)	Racks	12(4×4)	8(5×4)+8(4×4)	16(5×5)	18(5×4)+6(6×4)	24(5×5)
	Boxes (2 Inches)	192	288	400	504	600
	Samples (2ml)	19200	28800	40000	50400	60000
Sound Emission (dB)		50	50	53	53	53
Electricity	Power Supply	AC110/220V±10%, 50/60Hz		AC110/220V±10%, 50/60Hz		
	Consumption (W)	620	650	690	710	720
N.W. / G.W. (kg)		296/306	292/317	335/364	335/364	397/430
Shipping Size (W×D×H) (mm)		854×1072×1907	891×992×1946	891×1155×1995	1248×975×1995	1179×1135×1995

-86°C Upright Freezer

-86°C Upright Freezer

-86°C Upright Freezer (Dual Refrigeration System)



-86°C Upright Freezer

Advantages

- There is an added layer of security through the implementation of two separate cooling systems. Once one system fails, the other can effectively sustain an inner temperature of -70 °C .
- Accurate microprocessor-controlled system ensures temperature range of -86 °C to -40 °C for chamber space with 1 °C increment.
- Powerful cooling system with unique design supports rapidly temperature decrease.
- Safety inner door design gives more tight seal for freezer. Allow users to suit needs together with adjustable shelves.
- Chamber material made by 304 stainless steel for friendly cleaning.

Reliability

- Safety password protected control panel prevents unauthorized system modification.
- Audible buzzer and visible flashing temperature alarm system for high/low temperature, sensor error, thermostat failure alarm, power failure alarm, door switch, ambient temperature alarm, condenser failure alarm, filter check alarm, voltage abnormal alarm, low battery alarm.
- Door lock for storage safety.

Ergonomic Design

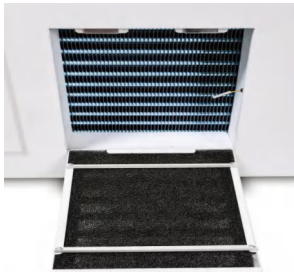
- Upright door with limit door hinge prevents collision when door opens.
- Controller password protected to avoid unauthorized system modification.
- Lockable universal caster wheels for easy moving.
- Removable inner door for user to defrost and clean.



Optional Freeze Racks



Touch Screen



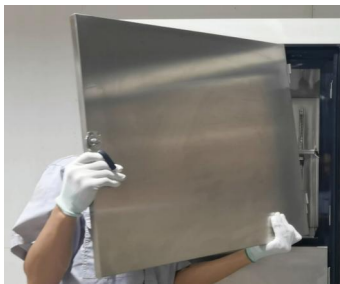
Quick-release filter



Adjustable Shelves



Multi-layer Silicone Seals



Removable Inner Door

-86°C Upright Freezer

-86°C Upright Freezer (Dual Refrigeration System)



Specification

Model		UFZ-86V410P	UFZ-86V590P	UFZ-86V730P	UFZ-86V840P
Capacity (L)		408	588	728	838
Size (W×D×H)	Internal (mm)	606×575×1180	606×738×1310	963×571×1350	894×718×1310
	External (mm)	891×992×1945	891×1155×1995	1248×975×1995	1179×1135×1995
Temperature	Range (°C) at room	-40~-86	-40~-86	-40~-86	-40~-86
	Temperature 10~32 °C				
	Sensor	PTC	PTC	PTC	PTC
Cooling System	Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Refrigerant	R4001 (CFC Free)	R4001 (CFC Free)	R4001 (CFC Free)	R4001 (CFC Free)
	Defrost	Manual	Manual	Manual	Manual
Display	Compressor (Qty)	SECOP/2	SECOP/2	SECOP/2	SECOP/2
		LCD display	LCD display	LCD display	LCD display
Audible & Visible Alarm		High/Low temperature, high ambient temperature, sensor error, abnormal voltage, low battery, door ajar, 72h power failure backup system (alarm)			
Material	Internal	Stainless steel, grade 304			
	External	Electro-galvanized steel with antimicrobial powder coating			
	Inner Door	Stainless steel, grade 304			
Accessories	Standard	USB port, casters, remote alarm port, 25mm test hole			
	Optional	Data logger, back up system (CO ₂ /LN ₂)			
Shelves(Qty)		3	3	3	3
Optional Frozen	Racks	8(5×4)+8(4×4)	16(5×5)	18(5×4)+6(6×4)	24(5×5)
Racks (Qty)	Boxes (2 Inches)	288	400	504	600
	Samples (2ml)	28800	40000	50400	60000
Sound Emission (dB)		53	53	55	55
Electricity	Power Supply	AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz
	Consumption (W)	1350	1500	1400	1700
N.W. / G.W. (kg)		236/278	283/346	316/392	310/384
Shipping Size (W×D×H) (mm)		965×1030×2125	975×1185×2200	1330×1015×2210	1270×1170×2200

-86℃ Upright Freezer



Advantage

- High-performance V.I.P. (Vacuum Insulation Panel) insulation panels are used to minimize cabinet heat gain and improve temperature stability.
- Efficient cooling system operates the mixed refrigeration system for rapid and stable cooling, while being energy-saving and easy to maintain.
- The inner door has a unique design that separates storage compartments and minimizes frost buildup inside the chamber.
- Upright door with limit door hinge prevents collision when door opens.
- Lockable universal caster wheels for easy moving. Removable inner door for user to defrost and clean.

Reliability

- Safety password protected control panel prevents unauthorized system modification.
- Audible buzzer and visible flashing temperature alarm system for high/low temperature, sensor error, thermostat failure alarm, power failure alarm, door switch, ambient temperature alarm, condenser failure alarm, filter check alarm, voltage abnormal alarm, low battery alarm.
- Door lock for storage safety

Ergonomic Design

- Upright door with limit door hinge prevents collision when door opens.
- Controller password protected to avoid unauthorized system modification.
- Lockable universal caster wheels for easy moving.
- Removable inner door for user to defrost and clean.



Specification

Model		UFZ-86V30	UFZ-86V110E	UFZ-86V160E	UFZ-86V940
Capacity (L)		28	108	158	938
Size (WxDxH)	Internal (mm)	270×265×400	460×460×510	460×455×800	1000×700×1335
	External (mm)	470×490×1120	700×730×1260	700×700×1580	1240×1000×2000
Temperature	Range (℃)	-40~-86℃, adjustable	-40~-86℃, adjustable	-40~-86℃, adjustable	-40~-86℃, adjustable
	Sensor	PTC	PTC	PTC	PTC
	Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Cooling System	Refrigerant	Mixed with CFC free	Mixed with CFC free	Mixed with CFC free	Mixed with CFC free
	Defrost	Manual	Manual	Manual	Manual
	Compressor (Qty)	SECOP/1	SECOP/1	SECOP/1	SECOP/2
Display		LED	LED	LED	LED
Audible & Visible Alarm	High/Low Temperature	Standard	Standard	Standard	Standard
	Abnormal Ring Temperature	Optional (LCD)	Optional (LCD)	Optional (LCD)	Optional (LCD)
	Sensor Failure	Standard	Standard	Standard	Standard
	Condenser Dirty Blockage	Optional (LCD)	Optional (LCD)	Optional (LCD)	Optional (LCD)
	Low Battery	Optional (LCD)	Optional (LCD)	Optional (LCD)	Optional (LCD)
	Power Failure	Optional (LCD)	Optional (LCD)	Optional (LCD)	Optional (LCD)
	Door Ajar	Optional (LCD)	Optional (LCD)	Optional (LCD)	Optional (LCD)
Material	External	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating
	Inner Door	304 stainless steel	304 stainless steel	304 stainless steel	304 stainless steel
Accessories	Casters	Standard	Standard	Standard	Standard
	Temperature Recorder	Optional	Optional	Optional	Optional
	Test Hole (Qty) / Diameter (mm)	1/18	1/18	1/18	1/18
Shelves (Qty)		1	2	2	3
Sound Emission (dB)		60	60	60	60
Electricity	Power Supply	220V, 50/60Hz; 110V, 60Hz	220V, 50/60Hz; 110V, 60Hz	220V, 50/60Hz; 110V, 60Hz	220V, 50/60Hz; 110V, 60Hz
	Consumption (W)	400	480	500	1020
N.W. / G.W. (kg)		66/91	107/137	123/153	320/350
Shipping Size (W×D×H) (mm)		550×590×1270	780×830×1410	780×800×1730	1320×1100×2150

Freezer Racks and Box (-86 C Freezer use)



Specification

Product name	Model	Specification	External Size (W×D×H) (mm)	Capacity (Freezer Boxes which can be hold)
Freezer Racks	R255A	Side-access type; 5 layers×5 rows; For 2-inch Freezer box	140×688×290	25pcs Freezer boxes 2"
Freezer Racks	R255B	Drawer type; 5 layers×5 rows; For 2-inch Freezer box	140×688×290	25pcs Freezer boxes 2"
Freezer Racks	R254A	Side-access type; 5 layers×4 rows; For 2-inch Freezer box	140×544×290	20pcs Freezer boxes 2"
Freezer Racks	R254B	Drawer type; 5 layers×4 rows; For 2-inch Freezer box	140×554×290	20pcs Freezer boxes 2"
Freezer Racks	R253A	Side-access type; 5 layers×3 rows; For 2-inch Freezer box	140×419×290	15pcs Freezer boxes 2"
Freezer Racks	R253B	Drawer type; 5 layers×3 rows; For 2-inch Freezer box	140×419×290	15pcs Freezer boxes 2"
Freezer Racks	R244A	Side-access type; 4 layers×4 rows; For 2-inch Freezer box	140×554×236	16pcs Freezer boxes 2"
Freezer Racks	R244B	Drawer type; 4 layers×4 rows; For 2-inch Freezer box	140×554×236	16pcs Freezer boxes 2"
Freezer Racks	R243B	Drawer type; 4 layers×3 rows; For 2-inch Freezer box	140×419×236	12pcs Freezer boxes 2"
Freezer Racks	R334B	Drawer type; 3 layers×4 rows; For 3-inch Freezer box	140×554×261	12pcs Freezer boxes 3"
Freezer Racks	R335B	Drawer type; 3 layers×5 rows; For 3-inch Freezer box	140×688×261	15pcs Freezer boxes 3"
Freezer Racks	R274B	Drawer type; 7 layers×5 rows; For 2-inch Freezer box	140×554×405	28pcs Freezer boxes 2"
Freezer Racks	R11	Lift-up type; For 2-inch Freezer box	140×147×633	11pcs Freezer boxes 2"
Freezer Racks	R10	Lift-up type; For 2-inch Freezer box	140×147×576	10pcs Freezer boxes 2"
Freezer Racks	R8	Lift-up type; For 2-inch Freezer box	140×147×461	8pcs Freezer boxes 2"
Freezing box	CT0081	2-inch 81 grid	133×133×53	81pcs cryovials, plastic, with grid numbers
Freezing box	CT0100	2-inch 100 grid	133×133×53	100pcs cryovials, plastic, with grid numbers



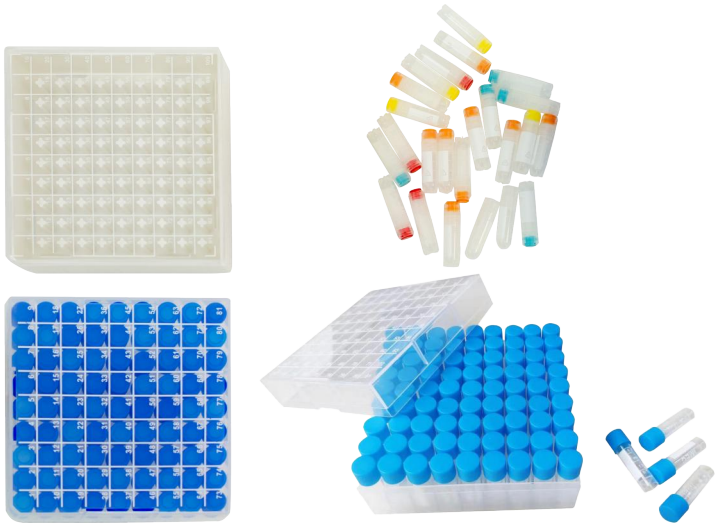
Drawer type



Side-access type



Lift-up type



Freezer box: PP material

Freezer Racks and Box

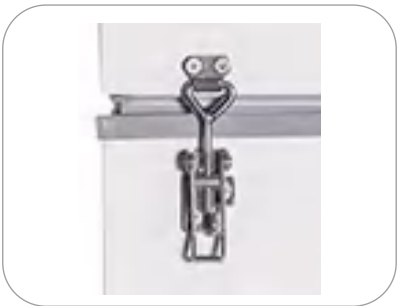
Freezer Racks and Box

-86°C Chest Freezer



Advantage

- Accurate Microprocessor-controlled system ensures temperature rage of -86℃ to -40℃ for chamber space with 1℃ increment.
- Powerful cooling system with unique design supports rapidly temperature decrease.
- Chamber material made by 304 stainless steel for friendly cleaning.



Safety door lock design to prevent abnormal door open.



Digital display for easy observation.

Reliability

- Audible buzzer and visible flashing temperature alarm system for temperature high/low alarm, sensor malfunction alarm
- Safety password protected control panel prevents unauthorized system modification.

- High-density layer of insulation foam improves heat preservation capability.
- Optimized refrigeration system with self-cascade technology to cool faster while consuming less power.



Specification

Model		UFZ-86H100	UFZ-86H490
Capacity (L)		105	485
Size (W×D×H)	Internal (mm)	480×380×665	1455.5×525.2×674
	External (mm)	680×580×935	1695×840×962
Temperature	Range (℃) at RT.10~32℃	-40~-86	-40~-86
	Sensor	PTC	PTC
	Controller	Microprocessor	Microprocessor
Cooling System	Refrigerant	R4001 (CFC Free)	R4001 (CFC Free)
	Defrost	Manual	Manual
	Compressor (Qty)	CUBIGEL/1	SECOP/1
Display		Digital display	Digital display
Audible & Visible Alarm		High/Low temperature, sensor error, 12h power failure backup system(alarm)	
Material	Internal	Stainless steel, grade 304	
	External	Electro-galvanized steel with antimicrobial powder coating	
Accessories		Casters, 25mm test hole	
Shelves / Drawers (Qty)		/	/
Optional Frozen Racks		4(11×1,6×1)	3(11×1,6×1)
Racks (Qty)	Boxes (2 Inches)	34	300
	Samples (2ml)	3400	30000
Sound Emission (dB)		50	54.5
Electricity	Power Supply	AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz
	Consumption (W)	500	670
N.W. / G.W. (kg)		65/70	130/150
Shipping Size (W×D×H) (mm)		760×755×1040	1770×900×1100