

Medical & Laboratory cold storage system

Ultra-Low Temperature Freezer

Temperature: -60/-86°C Capacity: 50~936L

Handle

Handle for easy operation, door lock for safety use.



USB & remote alarm port

USB port make it easy to read and store temperature record, remote alarm port to connect remote alarm system.



Heavy duty castors

Castors with break, easy moving and stop.



Microcomputer Control

Digital temperature display, ensure precise and stable running. USB port to read temperature and alarm conditions in recent 3 months. Able to be change to touch screen display.



3 kinds of optional cooling system

1. Cascade system with refrigerant R404a and R507a, most widely used system, easy to repair.
2. Cascade system with refrigerant R290 and R170, green refrigerant.
3. One compressor with mixed refrigerant. Energy saving and better price.

Up to 43°C ambient temperature, high efficient freezing system and good thermal insulation properties

Low noise design
Noise ≤ 50dba

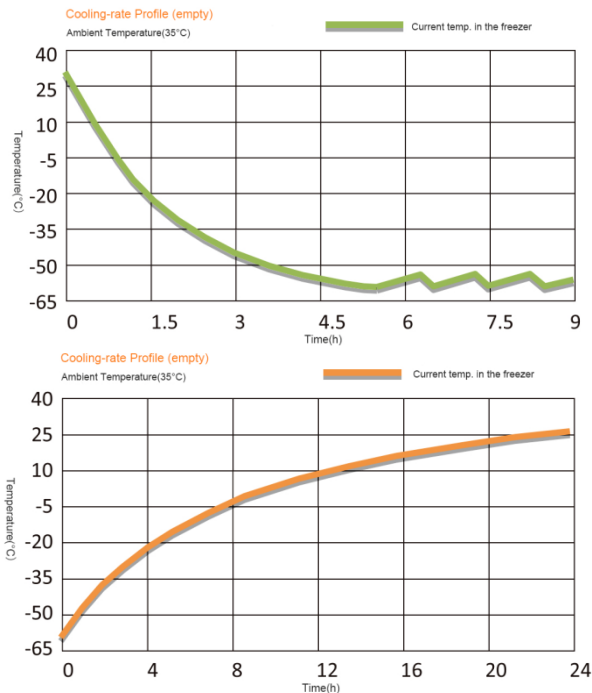
All 304 stainless steel inner door, with foaming layer and small handle.

4 layers door seal made of high quality silicone

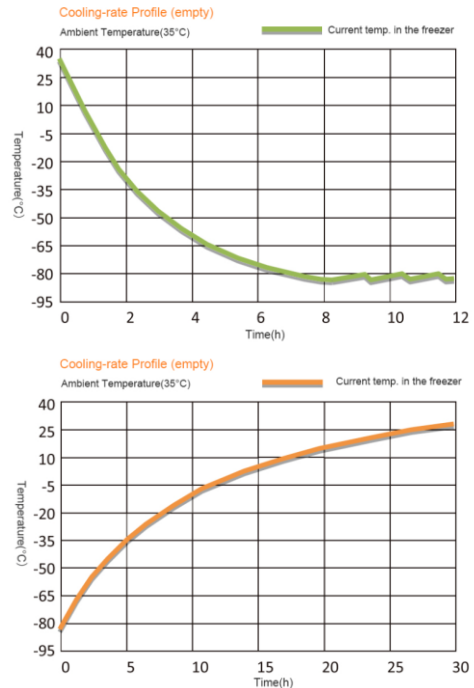


TOPLAB ULT freezer is specially designed & manufactured for long term storage of various biological products, including viruses, germs, erythrocytes, leucocytes and cutis. Applications can be found in blood banks, hospitals, epidemic prevention services, and research institutes, laboratories in electronic and chemical plants, biological engineering institutes & marine fishery companies.

Temperature profile for -60°C



Temperature profile for -86°C



TL-86V50 ULF



Model	TL-86V50 ULF	Capacity(L)	50 L
External Size(mm)	540 X 620 X 1115	N.W./G.W.(kg)	75/95
Inner Size(mm)	361 X 429 X 406	Loading Quantity(20")	48
Package Size(mm)	690 X 760 X 1170	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	450	Inner Material	304 Stainless steel
Setting Temp.(°C)	-40~-86	Shelves	1
Ambient Temp. (°C)	10-32	Noise(db)	≤49.5
Alarm System	High/low temperature, sensor failure		
Optional Accessories	Remote alarm system, cold storage racks & boxes		

TL-86V158 ULF



Model	TL-86V158 ULF	Capacity(L)	158 L
External Size(mm)	700 X 700 X 1580	N.W./G.W.(kg)	130/150
Inner Size(mm)	460 X 455 X 800	Loading Quantity(20")	12
Package Size(mm)	860 X 860 X 1670	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	630	Inner Material	304 Stainless steel
Setting Temp.(°C)	-40~-86	Shelves	2
Ambient Temp. (°C)	10-32	Noise(db)	≤51
Alarm System	High/low temperature, sensor failure		
Optional Accessories	Remote alarm system, cold storage racks & boxes, chart recorder		

TL-86V340 ULF



Model	TL-86V340 ULF	Capacity(L)	340 L
External Size(mm)	855 X 1006 X 1917.5	N.W./G.W.(kg)	190/230
Inner Size(mm)	490 X 607 X 1140	Loading Quantity(20")	12
Package Size(mm)	935 X 1070 X 2128	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	1350	Inner Material	304 Stainless steel
Setting Temp.(°C)	-60~-86	Shelves	3
Ambient Temp. (°C)	10-38	Noise(db)	≤50
Alarm System	High/low temperature, sensor failure, door ajar, power failure(72h), low battery		
Optional Accessories	Remote alarm system, cold storage racks & boxes, chart recorder		

TL-86V588 ULF



Model	TL-86V588 ULF	Capacity(L)	588 L
External Size(mm)	1191 X 871 X 1994.5	N.W./G.W.(kg)	220/250
Inner Size(mm)	738 X 606 X 1310	Loading Quantity(20")	10
Package Size(mm)	1158 X 975 X 2183	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	1430	Inner Material	304 Stainless steel
Setting Temp.(°C)	-60~-86	Shelves	3
Ambient Temp. (°C)	10-38	Noise(db)	≤53
Alarm System	High/low temperature, sensor failure, door ajar, power failure(72h), low battery		
Optional Accessories	Remote alarm system, cold storage racks & boxes, chart recorder		

TL-86V688 ULF



Model	TL-86V688 ULF	Capacity(L)	688 L
External Size(mm)	1355 X 1065 X 1917.5	N.W./G.W.(kg)	260/290
Inner Size(mm)	990 X 607 X 1140	Loading Quantity(20")	8
Package Size(mm)	1445 X 1070 X 2128	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	1540	Inner Material	304 Stainless steel
Setting Temp.(°C)	-60~-86	Shelves	3
Ambient Temp. (°C)	10-43	Noise(db)	≤53
Alarm System	High/low temperature, sensor failure, door ajar, power failure(72h), low battery		
Optional Accessories	Remote alarm system, cold storage racks & boxes, chart recorder		

TL-86V936 ULF



Model	TL-86V936 ULF	Capacity(L)	936 L
External Size(mm)	1240 X 1000 X 2000	N.W./G.W.(kg)	310/330
Inner Size(mm)	1000 X 700 X 1335	Loading Quantity(20")	8
Package Size(mm)	1350 X 1080 X 2150	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	1600	Inner Material	304 Stainless steel
Setting Temp.(°C)	-40~-86	Shelves	3
Ambient Temp. (°C)	10-32	Noise(db)	≤53
Alarm System	High/low temperature, sensor failure, door ajar, power failure(72h), low battery		
Optional Accessories	Remote alarm system, cold storage racks & boxes, chart recorder		

TL-86H58 ULF



Model	TL-86H58 ULF	Capacity(L)	58 L
External Size(mm)	670 X 775 X 1016	N.W./G.W.(kg)	80/100
Inner Size(mm)	410 X 410 X 353	Loading Quantity(20")	36
Package Size(mm)	770 X 875 X 1090	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	420	Inner Material	304 Stainless steel
Setting Temp.(°C)	-40~-86	Compressor/QTY	Brand/1
Ambient Temp. (°C)	10-32	Noise(db)	≤49
Alarm System	High/low temperature, sensor failure		
Optional Accessories	Remote alarm system, cold storage racks & boxes		

TL-86H105 ULF



Model	TL-86H105 ULF	Capacity(L)	105 L
External Size(mm)	680 X 580 X 935	N.W./G.W.(kg)	43/53
Inner Size(mm)	480 X 380 X 665	Loading Quantity(20")	48
Package Size(mm)	740 X 680 X 1010	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	280	Inner Material	304 Stainless steel
Setting Temp.(°C)	-25~-60	Compressor/QTY	Brand/1
Ambient Temp. (°C)	10-32	Noise(db)	≤53
Alarm System	High/low temperature, sensor failure, power failure(48h)		
Optional Accessories	Remote alarm system, cold storage racks & boxes		



Model	TL-86H258 ULF	Capacity(L)	258 L
External Size(mm)	1510 X 885 X 1095	N.W./G.W.(kg)	220/240
Inner Size(mm)	780 X 500 X 660	Loading Quantity(20")	14
Package Size(mm)	1600 X 980 X 1155	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Stainless steel
Power(W)	700	Inner Material	304 Stainless steel
Setting Temp.(°C)	-40~-86	Compressor/QTY	Brand/1
Ambient Temp. (°C)	10-32	Noise(db)	≤53
Alarm System	High/low temperature, sensor failure		
Optional Accessories	Remote alarm system, cold storage racks & boxes		

TL-86H458 ULF



Model	TL-86H458 ULF	Capacity(L)	458 L
External Size(mm)	2110 X 885 X 1095	N.W./G.W.(kg)	240/270
Inner Size(mm)	1380 X 500 X 660	Loading Quantity(20")	12
Package Size(mm)	2200 X 980 X 1155	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	780	Inner Material	304 Stainless steel
Setting Temp.(°C)	-40~-86	Compressor/QTY	Brand/1
Ambient Temp. (°C)	10-32	Noise(db)	≤54.4
Alarm System	High/low temperature, sensor failure		
Optional Accessories	Remote alarm system, cold storage racks & boxes		

TL-60V50 ULF



Model	TL-60V50 ULF	Capacity(L)	50 L
External Size(mm)	540 X 620 X 1115	N.W./G.W.(kg)	75/95
Inner Size(mm)	361 X 429 X 406	Loading Quantity(20")	48
Package Size(mm)	690 X 760 X 1170	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	420	Inner Material	304 Stainless steel
Setting Temp.(°C)	-25~-60	Shelves	1
Ambient Temp. (°C)	10-32	Noise(db)	≤49.5
Alarm System	High/low temperature, sensor failure		
Optional Accessories	Remote alarm system, cold storage racks & boxes		

TL-60V340 ULF



Model	TL-60V340 ULF	Capacity(L)	340 L
External Size(mm)	855 X 1006 X 1917.5	N.W./G.W.(kg)	190/230
Inner Size(mm)	490 X 607 X 1140	Loading Quantity(20")	12
Package Size(mm)	935 X 1070 X 2128	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	1200	Inner Material	304 Stainless steel
Setting Temp.(°C)	-25~-60	Shelves	3
Ambient Temp. (°C)	10-43	Noise(db)	≤50
Alarm System	High/low temperature, sensor failure		
Optional Accessories	Remote alarm system, cold storage racks & boxes, chart recorder		

TL-60H105 ULF



Model	TL-60H105 ULF	Capacity(L)	105 L
External Size(mm)	680 X 580 X 935	N.W./G.W.(kg)	43/53
Inner Size(mm)	480 X 380 X 665	Loading Quantity(20")	48
Package Size(mm)	740 X 680 X 1010	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	280	Inner Material	304 Stainless steel
Setting Temp.(°C)	-25~-60	Compressor/QTY	Brand/1
Ambient Temp. (°C)	10-32	Noise(db)	≤53
Alarm System	High/low temperature, sensor failure, power failure(48h)		
Optional Accessories	Remote alarm system, cold storage racks & boxes		

TL-60H485 ULF



Model	TL-60H485 ULF	Capacity(L)	485 L
External Size(mm)	1695 X 805 X 955	N.W./G.W.(kg)	150/170
Inner Size(mm)	1455 X 525 X 665	Loading Quantity(20")	12
Package Size(mm)	1750 X 915 X 1110	Insulation	PURF
Voltage	220/110V; 50/60Hz	External Material	Color sprayed steel
Power(W)	485	Inner Material	304 Stainless steel
Setting Temp.(°C)	-25~-60	Compressor/QTY	Brand/1
Ambient Temp. (°C)	10-32	Noise(db)	≤53
Alarm System	High/low temperature, sensor failure, power failure(48h)		
Optional Accessories	Remote alarm system, cold storage racks & boxes		