-25°C Biomedical Freezer

Efficient compressor with accurate temperature control

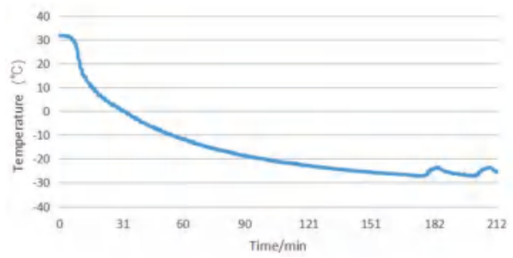
Designed to deliver reliable low-temperature freezing for the secure storage of plasma and other medical or biological specimens.

Economical Model



DW-25L116/146

DW-25L116 Cooling curve



Product Advantages

Precise Temperature control

Microprocessor controlled digital display with adjustable internal temperature range from -10°C to -25°C

Features

- High temperature alarm, low temperature alarm, sensor fault alarm
- Utilizes high-density, super-microcellular foaming insulation to ensure excellent thermal retention and minimize energy loss.

Refrigeration

High quality compressor, rapid refrigeration

User-Friendly design

- Door lock to prevent unauthorized access
- Wide operational voltage design
- Service port for convenient sensor access

Product Parameters

Model			DW-25L116	DW-25L146
Technical Data	Cabinet Type		Upright	Upright
	Climate Class		SN	SN
	Cooling Type		Direct Cooling	Direct Cooling
	Defrost Mode		Manual	Manual
	Refrigerant		HC	HC
	Sound Level (dBA)		41.6	41.3
Performance	Cooling Performance (°C)		-25	-25
	Temperature Range (°C)		-10~-25	-10~-25
Control	Controller		Microprocessor	Microprocessor
	Display		LCD	LCD
Electrical Data	Power Supply (V/Hz)		~220/50	~220/50
	Power (W)		85	95
	Electrical Current (A)		1	1
Dimensions	Capacity (L/Cu. Ft)		116/4.1	146/5.16
	Net/Gross Weight (approx)	(kg)	40/44	44/48
		(lbs)	88.2/97.0	97.0/105.8
	Interior Dimension (W×D×H)	(mm)	375×425×828	375×425×1013
		(in)	14.8×16.7×32.6	14.8×16.7×39.9
	Exterior Dimension (W×D×H)	(mm)	519×600×1120	519×600×1305
		(in)	20.4×23.6×44.1	20.4×23.6×51.4
	Packing Dimension (W×D×H)	(mm)	583×661×1157	583×661×1357
		(in)	23.0×26.0×45.6	23.0×26.0×53.4
	20GP/40GP/40HQ		60/120/120	30/60/60
Functions	High/Low Temperature		Y	Y
	Sensor Error Alarm		Y	Y
Accessories	Drawers		Whole drawer/3 Half drawer/1	Whole drawer/4 Half drawer/1
Others	Certificate		N	N
Operational Performance	Temperature Setting Mode		Digital (Accuracy ±1°C)	Digital (Accuracy ±1°C)
	Temperature Sensor		Thermistor	Thermistor
	Power Consumption (kWh/24h)		0.96	0.96
Material	Exterior Material		Pre-coated steel plate	Pre-coated steel plate
	Interior Material		Polystyrene plate	Polystyrene plate
	Insulation		Cyclopentane Foaming Agent	Cyclopentane Foaming Agent

-25°C Biomedical Freezer

Product Parameters

Model		DW-25L116	DW-25L146
Material	External Door/Quantity	Foam door/1	Foam door/1
	Sealing Strip/Quantity	Rubber Foam/1	Rubber Foam/1
	Padlock Latch	N	N
	Door Lock/Quantity	Y/1	Y/1
	Inner Door	N	N
Product Accessories	Storage Type	Drawer	Drawer
	Adjustable Drawer	N	N
	Shelves Quantity	4	5
	Storage Basket	Y	Y
	Drawers Material/Quantity	Whole drawer/3 Half drawer/1	Whole drawer/4 Half drawer/1
	Compressor Type	HYB60MGU	HYB60MGU
	Brand	Huayi	Huayi
	Compressor Power (W)	67	67
	Compressor Quantity	1	1
	Refrigerant Type	R600a	R600a
Function Parameters	Alarm System	Y	Y
	Temperature Alarm	N	N
	Filter Dirty Alarm	N	N
	Excess Voltage Alarm	N	N
	Boot Delay Protection	Y	Y
	Password Protection	Y	Y
Evaporator	Type	Flat evaporator	Flat evaporator
	Material	Aluminum	Aluminum
Condenser	Type (Forced Cooling)	Inner condenser	Inner condenser
	Material (Forced Cooling)	Tube electrophoresis condenser	Tube electrophoresis condenser
	External Fan	N	N
	Internal Temperature Uniformity	≤3	≤3
	Internal Temperature Accuracy	±1	±1
	Cooling Speed (Mins): From ambient 25°C to -25°C	≤180	≤180

Model		DW-25L116	DW-25L146
Others	Building Supply Rating (A)	10	10
	Power Cable Length (m)	1.7	1.7
	Heat Transfer (BTU/hr)	145	145
	Operating Temperature (°C)	10~32	10~32
	Compressor Capacity (W)	87	87
	Controller Position	Top	Top
	Reset Overcurrent Protector/ Power Switch	N	N
	Controller Type	Microprocessor	Microprocessor
	Setpoint Lock	N	N
	Controller Sensor	NTC	NTC
	Remote Alarm Terminals	N	N
	Adjustable High/Low Temp Alarms	Y	Y
	Auto Voltage Safeguard	N	N
	Door Thickness (mm)	55	55
	Cabinet Thickness (mm)	75	75
	Internal Fan Brand	N/A	N/A
	Static Feet/Caster Wheels/Quantity	Feet/2/Wheels/2	Feet/2/Wheels/2
	Condenser Type	Steel wire-and-tube	Steel wire-and-tube
	Fan Brand	N/A	N/A
	Alarm Battery	N	N
	Temperature Uniformity (°C)	≤3	≤3
	Temperature Accuracy (°C)	1	1