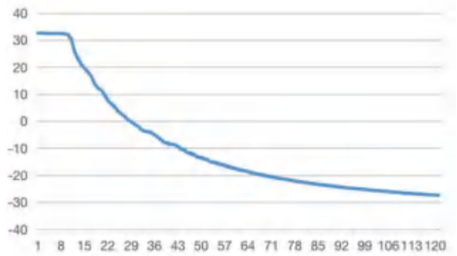
-25°C Biomedical Freezer

Used to provide a low-temperature freezing environment for medical institutions to store plasma and other samples.



DW-25W147/203/389/525

DW-25W525
Cooling curve



Product Advantages

Temperature control system

- Microprocessor-controlled digital display with adjustable internal temperature range from -10°C to -25°C
- High/low temperature alarm control: Alarm temperature can modified

Safety control system

- Essential alarms: High temperature alarm, low temperature alarm, sensor fault alarm
- Audible and visual alarm
- Start-up delay protection and downtime (power-off interval) protection to safeguard system components and ensure stable operation.

Refrigeration system

- High-quality compressor with rapid refrigeration
- Utilizes high-density, super-microcellular foaming insulation to ensure excellent thermal retention and minimize energy loss.
- CFC-free foaming agent
- Forced refrigeration and freezing function
- Optimized evaporation and condensation system powerful refrigeration

User-Friendly Design

- Door lock to prevent unauthorized access
- Wide operational voltage range
- High-quality aluminum-lined drainage hole designed at the base for easy cleaning
- Basket provided as required
- Wide operating ambient temperature range: 10°C~32°C
- Built-in service for convenient sensor access

Product Parameters

Model			DW-25W147	DW-25W203	DW-25W389	DW-25W525
Technical Data	Cabinet Type		Horizontal	Horizontal	Horizontal	Horizontal
	Climate Class		SN	SN	SN	SN
	Cooling Type		Direct Cooling	Direct Cooling	Direct Cooling	Direct Cooling
	Defrost Mode		Manual	Manual	Manual	Manual
	Refrigerant		HC	HC	HC	HC
	Sound Level (dBA)		41.2	41.8	42.2	44.8
Performance	Cooling Performance (°C)		-25	-25	-25	-25
	Temperature Range (°C)		-10~-25	-10~-25	-10~-25	-10~-25
Control	Controller		Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display		LCD	LCD	LCD	LCD
Electrical Data	Power Supply (V/Hz)		~220/50	~220/50	~220/50	~220/50
	Power (W)		120	125	220	450
	Electrical Current (A)		1.1	1.2	1.6	3.4
Dimensions	Capacity (L/Cu. Ft)		147/5.1	203/7.2	389/13.7	525/18.54
	Net/Gross Weight (approx)	(kg)	34.5/38.5	41/45.5	57/68	85/99
		(lbs)	76.1/84.9	90.4/100.3	125.7/149.9	187.4/218.3
	Interior Dimension (W×D×H)	(mm)	599×389×677	818×383×679	1155×510×727	1686×494×695
		(in)	23.6×15.3×26.7	32.2×15.1×26.7	45.5×20.1×28.6	66.4×19.5×27.4
	Exterior Dimension (W×D×H)	(mm)	739×564×837	964×564×837	1309×705×874	1843×689×848
		(in)	29.1×22.2×33.0	38.0×22.2×33.0	51.5×27.8×34.4	72.6×27.1×33.4
	Packing Dimension (W×D×H)	(mm)	790×595×880	1015×600×905	1385×777×951	1920×777×930
		(in)	31.1×23.4×34.6	40.0×23.6×35.6	54.5×30.6×37.4	75.6×30.6×36.6
	20GP/40GP/40HQ		42/90/90	38/80/80	24/46/50	14/30/36
Alarms	High/Low Temperature		Y	Y	Y	Y
	Sensor Error Alarm		Y	Y	Y	Y
Accessories	Storage Type/Quantity		Basket/1	Basket/1	Basket/1	Basket/3
Others	Certifications		N	N	N	N
Operational Performance	Temperature Setting Mode		Digital (Accuracy ±1°C)	Digital (Accuracy ±1°C)	Digital (Accuracy ±1°C)	Digital (Accuracy ±1°C)
	Temperature Sensor		Thermistor	Thermistor	Thermistor	Thermistor
	Power Consumption (kWh/24h)		1.1	1.1	2.2	3
Material	Exterior Material		Powder Coated Cold Rolled Steel	Powder Coated Cold Rolled Steel	Powder Coated Cold Rolled Steel	Powder Coated Cold Rolled Steel
	Interior Material		Embossed aluminum plate	Embossed aluminum plate	Embossed aluminum plate	Embossed aluminum plate
	Insulation		Cyclopentane Foaming Agent	Cyclopentane Foaming Agent	Cyclopentane Foaming Agent	Cyclopentane Foaming Agent

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Product Parameters

Model		DW-25W147	DW-25W203	DW-25W389	DW-25W525
Material & Build	External Door/Quantity	Foam door/1	Foam door/1	Foam door/1	Foam door/2
	Sealing Strip Quantity	1	1	1	1
	Padlock Latch	N	N	N	N
	Door Lock/Quantity	Y/1	Y/1	Y/1	Y/1
	Inner Door	N	N	N	N
Product Accessories	Storage Type	Immersion basket	Immersion basket	Immersion basket	Immersion basket
	Adjustable Shelves	N	N	N	N
	Basket Quantity	1	1	1	3
	Storage Basket	Y	Y	Y	Y
	Drawers Material/Quantity	Basket/1	Basket/1	Basket/1	Basket/3
	Compressor Type	NFG70NA	NFG70NA	NFG70NA	NFG70NA
	Compressor Brand	Huayi	Huayi	Huayi	Huayi
	Compressor Power (W)	220	220	220	220
	Compressor Quantity	1	1	1	1
	Refrigerant Model	R290	R290	R290	R290
Function Parameters	Alarm System	Y	Y	Y	Y
	Temperature Alarm	N	N	N	N
	Filter Dirty Alarm	N	N	N	N
	Excess Voltage Alarm	N	N	N	N
	Boot Delay Protection	Y	Y	Y	Y
	Password Protection	Y	Y	Y	Y
Evaporator	Type	Evaporator coils	Evaporator coils	Evaporator coils	Evaporator coils
	Material	Single layer galvanized pipe	Single layer galvanized pipe	Single layer galvanized pipe	Single layer galvanized pipe
Condenser	Type (Forced Cooling)	Steel Wire Coil	Inner condenser coil	External condenser	External condenser
	Material (Forced Cooling)	Single layer galvanized welded pipe	Single layer galvanized welded pipe	Tube electrophoresis condenser	Tube electrophoresis condenser
	External Fan	N	N	N	N
	Internal Temperature Uniformity	≤3	≤3	≤3	≤3
	Internal Temperature Accuracy	±1	±1	±1	±1
	Cooling Speed (Mins): From ambient 25°C to -25°C	≤180	≤180	≤180	≤180

Model		DW-25W147	DW-25W203	DW-25W389	DW-25W525
Others	Building Supply Rating (A)	10	10	10	10
	Power Lead Length (m)	2.5	2.5	2.5	2.5
	Heat Transfer Rate (BTU/hr)	195	195	298	432
	Ambient Temperature (°C)	10~32	10~32	10~32	10~32
	Compressor Capacity (W)	120	120	179	269
	Refrigerant Type/Flammable	R290/Flammable	R290/Flammable	R290/Flammable	R290/Flammable
	Controller Position	Top	Top	Top	Top
	Reset overcurrent protector/ Power Switch	N	N	N	N
	Controller Type	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Setpoint Lock	N	N	N	N
	Controller Sensor	NTC	NTC	NTC	NTC
	Remote Alarm Terminals	N	N	N	N
	Adjustable High/Low Temp Alarms	Y	Y	Y	Y
	Auto Voltage Safeguard	N	N	N	N
	Door Thickness (mm)	42.5	42.5	46	46
	Cabinet Thickness (mm)	68	71	70	70
	Fan Brand	N/A	N/A	N/A	N/A
	Static Feet/Caster Wheels/Quantity	Feet/2/Wheels/2	Feet/2/Wheels/2	Fixed Wheels/2 Directional Wheels/2	Wheels/6
	Condenser Type	Steel wire-on-tube	Steel wire-on-tube	Steel wire-on-tube	Steel wire-on-tube
	Internal Fan Brand	N/A	N/A	N/A	N/A
	Alarm Battery	N	N	N	N
	Temperature Uniformity (°C)	≤3	≤3	≤3	≤3
	Temperature Accuracy (°C)	1	1	1	1