

# DL-20-50L

## Cooling Bath Circulator

Lab1st DL series cooling bath circulator has an operating temperature ranging from -20C/-30C/-40C to room temperature. With large capacity open bath and external circulation system, it can be used as a separate chilling tank, and can also provide low temperature coolant externally. The refrigerant outlet is equipped with a pressure gauge to display the refrigerant pressure at the outlet. The system is microcomputer control, full digital display and easy to operate. It also with high and low voltage protection, overload protection, over current protection, grounding protection and other protection functions.

## Features

Large capacity open bath and external circulation system, for dual usage

PID temperature control process and accuracy can reach  $\pm 0.1^{\circ}\text{C}$

The liquid storage tank and circulation pipeline are made of 304 stainless steel with good corrosion resistance.

Shell adopts static plastic spray SPCC, good anti-corrosion effect

Multiple protection of overvoltage, delay, overcurrent, overheating, leakage, etc.

The liquid bath is equipped with a filter device to prevent the circulation pipe from being blocked



## Parameters

Model	DL-20-50L
———— TECHNICAL DATA ————	
Usage Temperature [ $^{\circ}\text{C}$ ]	-20-RT; $\pm 1^{\circ}\text{C}$
Ambient Temperature [ $^{\circ}\text{C}$ ]	$\leq 30^{\circ}\text{C}$
Optimum Ambient Humidity	0.6
Electrical Requirements	220V;1P;50/60HZ
Total Power [Kw]	2.6
———— COOLING CAPACITY [W] ————	
RT	6300
0 $^{\circ}\text{C}$	5100
-20 $^{\circ}\text{C}$	1300
Temp. Sensor	PT100
Safety	Multiple protection of overvoltage, delay, overcurrent, overheating, leakage, etc.
———— COMPRESSOR ————	
Type	Hermetic
Brand	Panasonic
Power [Kw]	2.25

Current [A]	11
Horsepower	3
QTY	1
Refrigerating Fluid	R404A
——CONDENSER——	
Type	Air-cooled
Fan Type	Axial flow outer rotor
Fan QTY	1
——FLUID BATH——	
Bath Opening Diameter [mm]	320
Bath Volume [L]	50
Circulation Interface	G1/2" Male thread(OD16mm Barb)
——CIRCULATION PUMP——	
Type	Canned motor pump
Power [W]	100
Current [A]	0.5
Rated Lift [m]	6
Rated Flow [L/min]	25
——WEIGHT   DIMENSION——	
Unit Weight [Kg]	116
Unit Dimension [mm]	730×630×1190

## Packages

W (mm)	80.00	CBM (m3)	0.81
D (mm)	74.00	Weight (kg)	172.00
H (mm)	137.00		

\* Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.