

DL-40-50L

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 ±0.1°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-40-50L
TECHNICAL DATA——	
Usage Temperature [°C]	-40-RT;±1°C
Ambient Temperature [°C]	≤30°C
Optimum Ambient Humidity	0.6
Electrical Requirements	380V;3P;50/60HZ
Total Power [Kw]	5.3
——COOLING CAPACITY [W]——	
RT	12775
0°C	11575
-40°C	1200
Temp. Sensor	PT100
Safety	Multiple protection of overvoltage, delay, overcurrent, overheating, leakage, etc.
COMPRESSOR	
Туре	Hermetic
Brand	ANKANG
Power [Kw]	5.25



H (mm)

Current [A] 10 Horsepower 6 QTY 1 Refrigerating Fluid R404A —CONDENSER— Air-cooled Type Axial flow outer rotor Fan Type 1 Fan QTY 1 —FLUID BATH— 320 Bath Opening Diameter [mm] 320 Bath Volume [L] 50 Circulation Interface G1/2" Male thread (OD16mm Barb) —CIRCULATION PUMP— 100 Type Canned motor pump Power [W] 0.5 Current [A] 6 Rated Lift [m] 6 Rated Flow [L/min] 25 —WEIGHT DIMENSION— 142 Unit Weight [Kg] 142 Unit Dimension [mm] 730×630×1190		
Refrigerating Fluid	Current [A]	10
Refrigerating Fluid	Horsepower	6
CONDENSER	QTY	1
Air-cooled	Refrigerating Fluid	R404A
Fan Type	CONDENSER	
Fan QTY	Туре	Air-cooled
Bath Opening Diameter [mm] 320	Fan Type	Axial flow outer rotor
Bath Opening Diameter [mm] 320 Bath Volume [L] 50 Circulation Interface G1/2" Male thread (OD16mm Barb) ——CIRCULATION PUMP———————————————————————————————————	Fan QTY	1
Solution Solution	——FLUID BATH——	
Circulation Interface G1/2" Male thread (OD16mm Barb) —CIRCULATION PUMP— Canned motor pump Type 100 Power [W] 0.5 Rated Lift [m] 6 Rated Flow [L/min] 25 —WEIGHT DIMENSION— 142 Unit Weight [Kg] 142 Unit Dimension [mm] 730×630×1190	Bath Opening Diameter [mm]	320
—CIRCULATION PUMP— Canned motor pump Type Canned motor pump Power [W] 100 Current [A] 0.5 Rated Lift [m] 6 Rated Flow [L/min] 25 —WEIGHT DIMENSION— 142 Unit Weight [Kg] 142 Unit Dimension [mm] 730×630×1190 ackages W (mm) CBM (m3)	Bath Volume [L]	50
Type Canned motor pump Power [W] 100 Current [A] 0.5 Rated Lift [m] 6 Rated Flow [L/min] 25 WEIGHT DIMENSION 142 Unit Weight [Kg] 142 Unit Dimension [mm] 730×630×1190 Ackages W (mm) CBM (m3)	Circulation Interface	G1/2" Male thread (OD16mm Barb)
Power [W] 100	——CIRCULATION PUMP——	
Current [A] 0.5 Rated Lift [m] 6 Rated Flow [L/min] 25 —WEIGHT DIMENSION— Unit Weight [Kg] 142 Unit Dimension [mm] 730×630×1190 Ackages W (mm) CBM (m3)	Туре	Canned motor pump
Rated Lift [m] 6 Rated Flow [L/min] 25 ——WEIGHT DIMENSION——	Power [W]	100
Rated Flow [L/min] 25	Current [A]	0.5
	Rated Lift [m]	6
Unit Weight [Kg] 142 Unit Dimension [mm] 730×630×1190 ackages CBM (m3)	Rated Flow [L/min]	25
Unit Dimension [mm] 730×630×1190	WEIGHT DIMENSION	
W (mm) CBM (m3)	Unit Weight [Kg]	142
W (mm) CBM (m3)	Unit Dimension [mm]	730×630×1190
	ackages	
D (mm) Weight (kg)	W (mm)	CBM (m3)
	D (mm)	Weight (kg)

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