

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.



Cooling Bath Circulator

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

Technical Data:

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|--|--|
| Model | DL-40-50L |
| ————TECHNICAL DATA———— | |
| Usage Temperature [$^{\circ}\text{C}$] | -40-RT; $\pm 1^{\circ}\text{C}$ |
| Ambient Temperature [$^{\circ}\text{C}$] | $\leq 30^{\circ}\text{C}$ |
| Optimum Ambient Humidity | 0.6 |
| Electrical Requirements | 380V;3P;50/60HZ |
| Total Power [Kw] | 5.3 |
| ————COOLING CAPACITY [W]———— | |
| RT | 12775 |
| 0 $^{\circ}\text{C}$ | 11575 |
| -40 $^{\circ}\text{C}$ | 1200 |
| Temp. Sensor | PT100 |
| Safety | Multiple protection of overvoltage, delay, overcurrent, overheating, leakage, etc. |
| ————COMPRESSOR———— | |

| | |
|----------------------------|---------------------------------|
| Type | Hermetic |
| Brand | ANKANG |
| Power [Kw] | 5.25 |
| Current [A] | 10 |
| Horsepower | 6 |
| 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] | 142 |
| Unit Dimension [mm] | 730×630×1190 |

Package Information:

| | |
|-------------------------|---------------------|
| Length (cm) | Width (cm) |
| Height (cm) | CBM (m3) |
| Weight (kg) | Total capacity |
| Product Serial No. 9009 | 2024-01-09 14:42:04 |

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

