

DLH-80-3P5

Hermetic Cooling Circulator

Lab1st DLH series chillers are hermetic cooling circulators with operating temperatures ranging from -20C/-30C/-40C/-80C/-120C to room temperature. The liquid storage tank adopts full hermetic design, which is not easy to absorb moisture at low temperature and prolongs the service life. And the system has an exhaust port that can successfully complete the thermal fluid filling. Moreover, it's with microcomputer control and full digital display, easy to operate. It also with high and low voltage protection, overload protection, over current protection, grounding protection and other protection functions.

Note: The ultimate temperature of the chiller is affected by the load, heat preservation effect and the environment of the application site.

Features

Closed circulation pipeline design, highly prevent circulating water pollution.

Thermal fluid circulation system is equipped with an exhaust port, which can successfully complete the filling of thermal fluid.

PID control method is adopted to optimize the temperature control process parameters, and the temperature control accuracy can reach $\pm 0.1^{\circ}\text{C}$.

Safety protection measures: safety protection, leakage protection, over-current overheating protection, lack of phase protection, etc.

Plate heat exchanger improves the heat transfer efficiency per unit area and reduces the amount of heat conduction medium.

Microcomputer control, full digital display, easy to operate.



Parameters

| | |
|--------------------------|--|
| Model | DLH-80-3P5 |
| Technical Data | |
| Temp. Range | -80~RT; $\pm 1^{\circ}\text{C}$ |
| Environment Temp. Range | $\leq 30^{\circ}\text{C}$ |
| Optimum Ambient Humidity | 0.6 |
| Electrical Requirements | 220/380V;3P;50/60HZ |
| Total Power [Kw] | 5.6 |
| Cooling Capacity [W] | |
| RT | 7665 |
| 0 $^{\circ}\text{C}$ | 7300 |
| -80 $^{\circ}\text{C}$ | 900 |
| Temp. Sensor | PT100 |
| Safety | Multiple protection of overvoltage, delay, overcurrent, overheating, leakage, etc. |

| | |
|--------------------------------|------------------------|
| Compressor | |
| Type | Hermetic |
| Brand | Tecumseh |
| Power [Kw] | 5.25 |
| Horsepower | 3.5 |
| Qty | 2 |
| Refrigerating Fluid | R404A R23 |
| Condenser | |
| Condensation Method | Air Cooling |
| Type of Fan | Axial flow outer rotor |
| Qty of Fans | 1 |
| Fluid Bath | |
| Bath Volume [L] | 10 |
| External Circulation Interface | DN20 |
| Circulation Pump | |
| Type | Canned motor pump |
| Power [W] | 280 |
| Current [A] | 1.2 |
| Rated Lift [m] | 11 |
| Rated Flow [L/min] | 35 |
| Weight Dimension | |
| Unit Weight [Kg] | 210 |
| Unit Dimension [mm] | 810×710×1240 |

Packages

| | |
|--------|-------------|
| W (mm) | CBM (m3) |
| D (mm) | Weight (kg) |
| H (mm) | |

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