

# Recirculating Chiller- MINI COOL



## How It Works

The compressor refrigeration system makes the liquid refrigerant absorb heat and evaporate through the evaporator. After it becomes gaseous, it is compressed by the compressor, and the temperature and pressure increase. The gaseous refrigerant dissipates heat and condenses into liquid through the air-cooled condenser. After the capillary throttling and pressure reduction, it enters the evaporator again to complete the cycle. The coolant is pumped out from the liquid tank by the water pump, absorbs the heat of the equipment and flows back to the liquid tank to achieve continuous cooling. It is suitable for small rotary evaporators and other cooling equipment.



Mini-cool

## Features

- It uses SECOP imported compressor and has built-in R290 environmentally friendly refrigerant.
- The circulating nozzle is a  $\Phi 10\text{mm}$  pagoda head, which can rotate 360°.
- The compressor delayed start protection, thermal overload protection and overcurrent protection functions can effectively protect the safety of the equipment.

## Suggested Match



Mini-cool



ATR-001

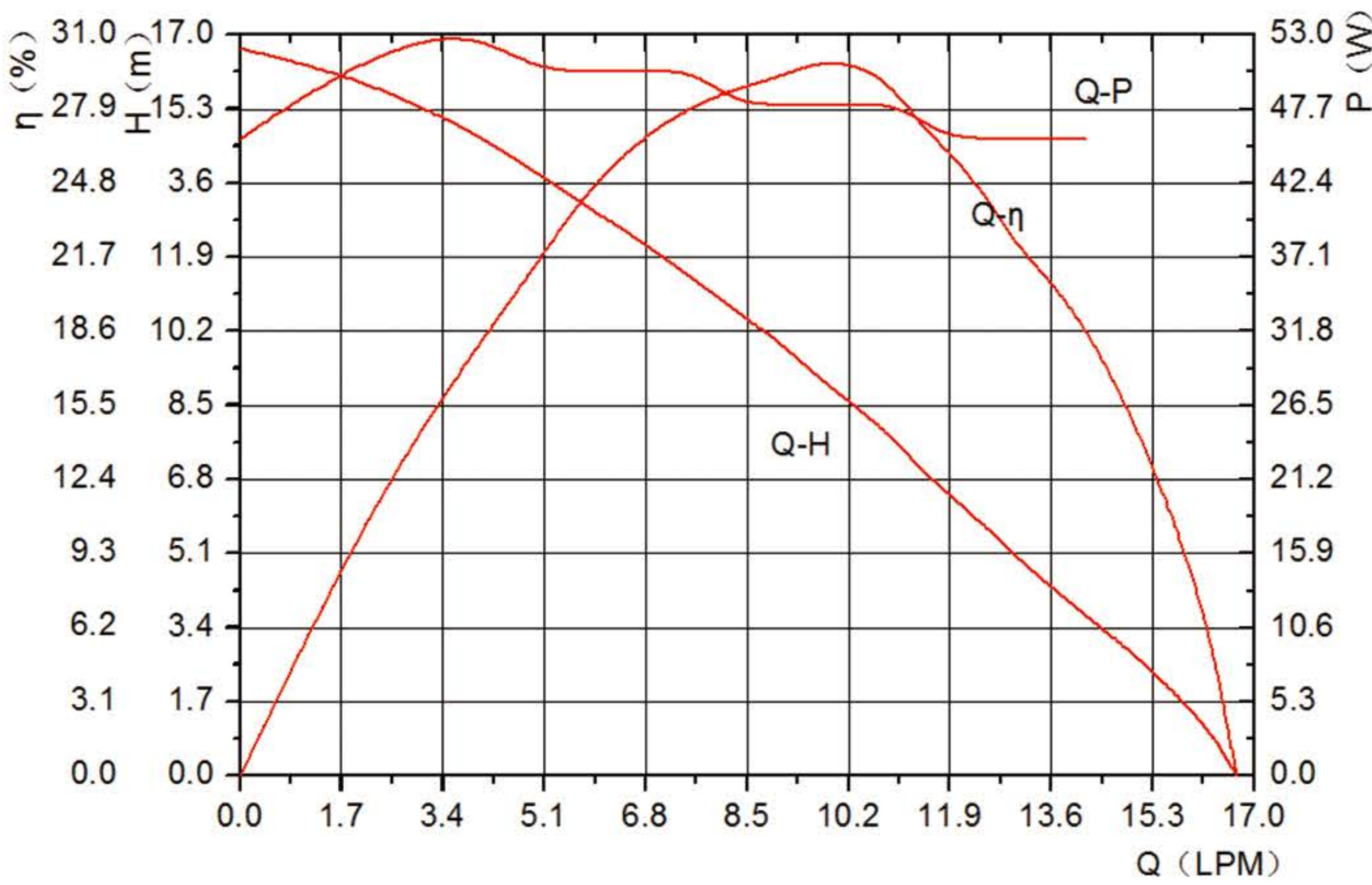


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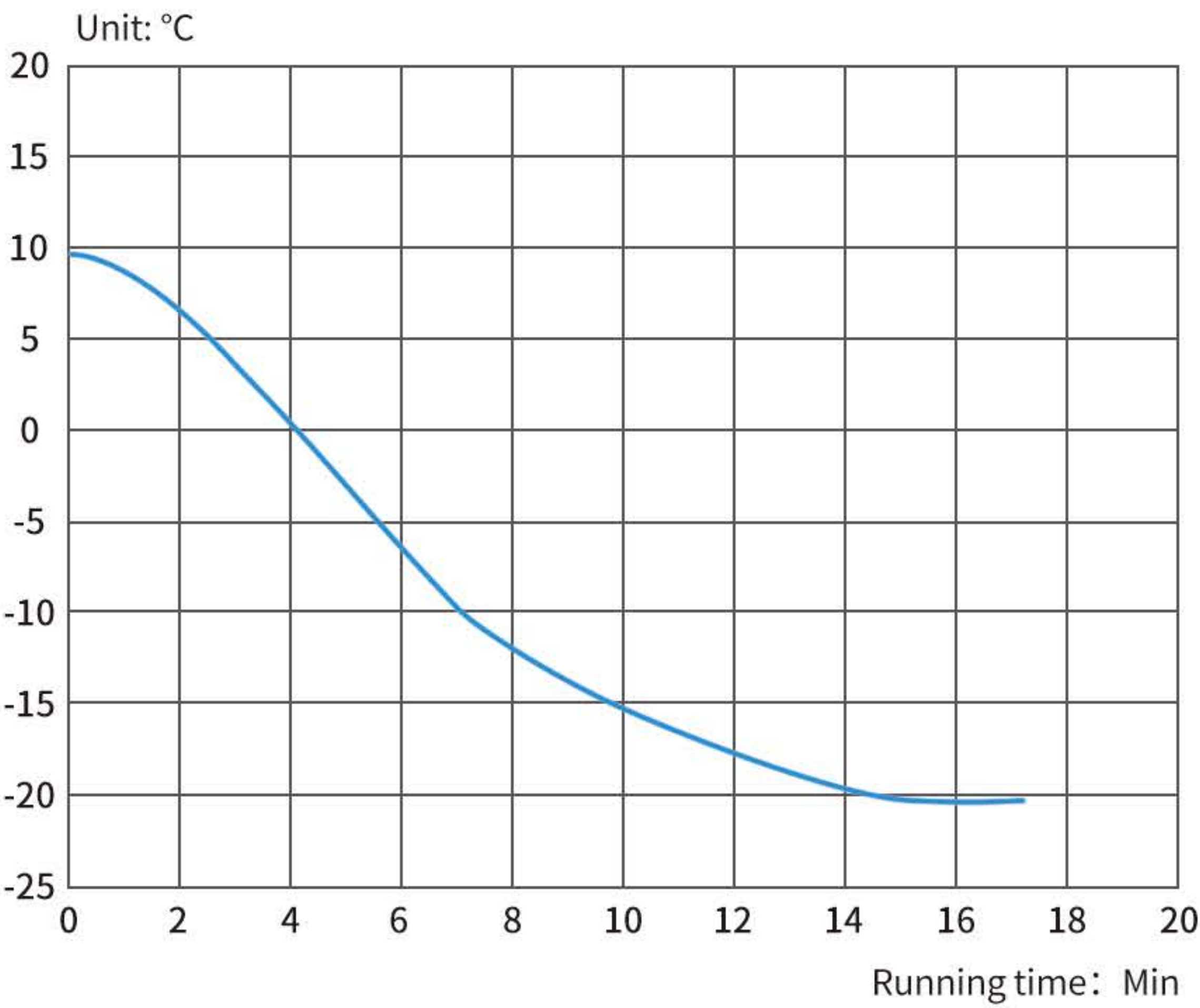
Parameters

|                          |                                                                                         |       |
|--------------------------|-----------------------------------------------------------------------------------------|-------|
| Product model            | Mini-cool                                                                               |       |
| Temperature range        | -20°C~RT                                                                                |       |
| Power supply/total power | 220V ~50Hz/320W                                                                         |       |
| Cooling capacity         | 7.2°C                                                                                   | 1097W |
|                          | 0°C                                                                                     | 858W  |
|                          | -20°C                                                                                   | 489W  |
| Temperature Sensor       | PT100                                                                                   |       |
| Refrigerant              | R290                                                                                    |       |
| Cooling method           | Air Cooling                                                                             |       |
| Compressor/power         | SECOP/249W                                                                              |       |
| Reservoir capacity       | ≤5L                                                                                     |       |
| Flow/Lift                | 16Lpm/16M                                                                               |       |
| Control method           | 1.28 inch,IPS round knob screen                                                         |       |
| Noise level              | ≤55dB (A) <small>This data comes from our company's laboratory noise instrument</small> |       |
| Interface                | Φ10mm Pagoda Head                                                                       |       |
| Size                     | 446L*270W*490H                                                                          |       |
| Weight                   | 23kg                                                                                    |       |

Test Curve



Circulation pump curve



Cooling curve  
(No load / ambient temp. 20°C)