

## A. Parameter specifications

- a. Voltage: DC/12V
- b. Current:  $\leq 0.5A$
- c. Power: 6W
- d. Flow rate:  $1.6 \pm 0.1L/min$
- e. Maximum lift 3M
- f. Maximum continuous working time 120H
- g. Electrical strength: the power port and the shell can withstand 500V/50HZ/1min without flashover and breakdown phenomenon.
- h. Constant humidity and heat test: at a temperature of  $40 \pm 2 \text{ }^\circ\text{C}$ , relative humidity of  $93\% \pm 3\%$  of the environment for 48 hours, to be dry after the electrical performance can still meet the requirements.

## B. Technical requirement

### a. Working conditions

1. Applicable water temperature  $5^\circ\text{C}-45^\circ\text{C}$ ;
2. working ambient temperature  $5^\circ\text{C}-40^\circ\text{C}$ ;
3. working inlet water pressure 0.3Mpa;
4. the working system/cooling mode is not more than 8 hours per day/natural cooling.

### b. Structure, dimensions

1. Structure and dimensions are shown in the following figure.

Note: Dimensions in mm; the compression of the shock absorbing rubber should be controlled at 1-1.5mm during installation.

2. The inlet and outlet calibre of water pump is 7mm.

