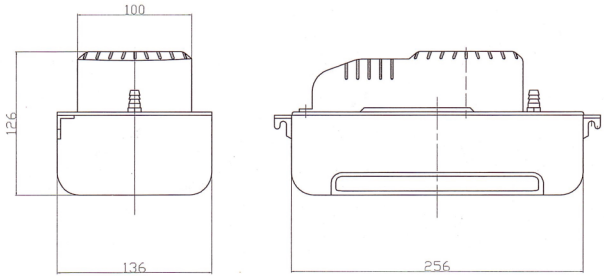
1.Pump component

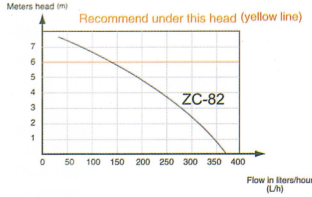
2.Dimensions drawing



3.Technical specification

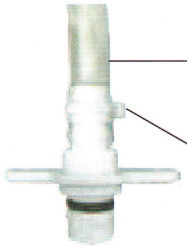
Model	ZC-82
Voltage	100-230V~50-60Hz
Discharge head	Max.6m(20ft)
Flow rate	320L/h(85GPH)
Tank Capacity	1.8L
Ambient Temp.	0℃~50℃

4.Maximum recommended head(m)



5.Installation

①Make sure the power is cut off
②Fix the pump well,make sure the pump is in level
③Insert the discharge pipe into one of the water entry(using tools to dig through the water entry),and make sure the pipe does not bend
④According to the level of the water,use a suitable length of the tube(outer diameter of 10mm x inner diameter of 8mm)to connect the drainage fitting of the pump,and fasten with cable ties(as shown below)cable ties have been put in the accessory package



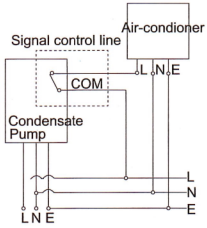
⑤.Connect the correct power supply.Connect the three core wire which marked "POWER" with the air conditioners connection or socket connection,and pay attention to the following poer cord color.

Power:(L)Live: Brown (N)Neutral: Blue (E)Earth:Green&Yellow

⑥If the signal control wire (two core)connects with the air conditioner lines directly,when the drain pump is not working properly,the pump circuit can trigger asignal to shut down or cut off the air conditioner running directly.

Alarm/Volt free:
(N.C.)Normally closed:Black
(COM.)Common:Black

Power:
(L)Live: Brown
(N)Neutral: Blue
(E)Earth:Green&Yellow



⑦If the system is properly connected, ensure that the pump has been electrified, running the air conditioner to observe if the drainage pump is working properly
⑧When the buzzer alarms,it means the pump has troubled ,please contact the qualified person for troubleshooting

Warranty

This warranty covers all arts with material or manufacturing faults. The buyer's only remedy is the replacement or repair of the defective arts. In no case can labour costs and any on sequential damage be cited as a basis for a complaint. Any returned units must be complete and must be accompanied by a written list of the defects certained . We are unable to accept any liability in case of nonconforming installation or noncompliance with the specifications or maintenance recommendations.

Maintance

- This pump like all mechanical equipment requires maintenance
- Every six months,the reservoir should be moved,taking care to clean the filter,float and reservoir thoroughly prior to reassembly.We recommend this is done in spring and in autumn,using an anti-bacterial wash.
- Take great care to replace the float with the magnet facing upward.

Faults and troubleshooting

Problem	Cause	Action
Pump runs all the time	The float is positioned with the magnet uppermost	Check the float again
	The reservoir lid(sensor)located inside the reservoir,around the sensor column	Check the sensor cable connection
	There is sludge inside the reservoir, preventing float from resting on the bottom	This may occur if pump has been in operation for some time without cleaning.Clean using an anti-bacterial wash
Pump stops and starts and makes a loud noise	The water is siphoning back through the pump	Preventing the air in the pie between the reservoir and the pump after installation and during operation
Pump runs but does not pump any water	There are some air-leaks in the pipe running to the pump	Check the reservoir and section tube are free of sludge and debris
Pump isn't operating at all	The power doesn't reach the pump	Check the power supply
	The wire is wrong	Check the power cable
	The voltage isn't correct	Check the voltage