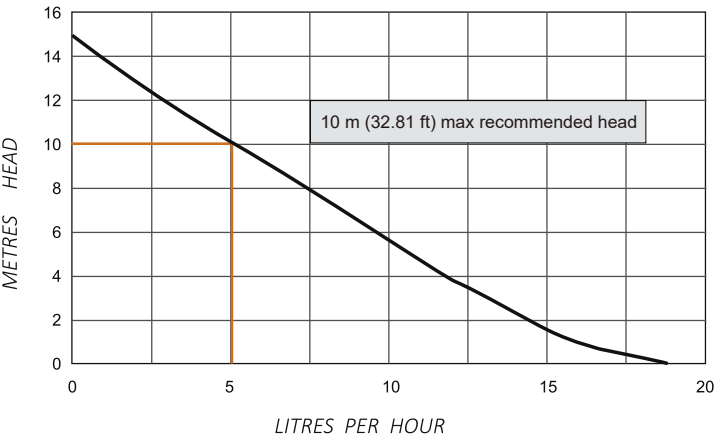




# Z20 Mini-Split Pump

No. 18101

## Performance Data



- Power supply: 100-240V AC 50/60Hz <4W
- Max.flow: 18L(4.76 gal)/H, range from 12-18L(3.17-4.76 gal)/H
- Max.recommended head: 12m (39.37 ft)
- Max.suction lift: 2m (6.56 ft)
- Max.unit output: 16 KW / 54,600 Btu/h
- Max.water temperature: 40°C (104°F)
- Discharge tube: 6mm (1/4 in) ID
- Class: II appliance
- Protection: Fully potted, IP-45

### 1 IN THE BOX

- 1 Assembled
- 2 Assembled inline reservoir, including:
  - 2 lid & capacitor plate
  - 2 fn key (Fn)
  - 2 status indicator
  - 2 filter
  - 2 reservoir
  - 2 breather hole 6mm (1/4 in) OD
- 3 Plug connector
- 4 5 ft length of 1/4 in ID vinyl tube
- 5 6 in Silicone tube
- 6 Power cable
- 7 1A fuse
- 8 Anti-siphon valve
- 9 Check valve
- 10 3M tape 2x 2 in x 3/4 in x 1/32 in
- 11 3M tape 1x 2 in x 3/4 in x 3/32 in
- 12 Nylon clamps 4x 8 in x 5/32 in

### 2 INSTALLATION

1. Ensure the filter is in place and the lid is clipped firmly onto reservoir.

2. Secure reservoir horizontally using velcro strips and for the inline reservoir use the inlet hose to connect firmly to drainage pipe.

3. Fit breather tube to reservoir lid.

4. Using 3M tape.

### 2 INSTALLATION

5. Note direction of water flow.

6. Connect your 9 mm (3/8 in) OD x 6 mm (1/4 in) ID vinyl discharge tube to the outlet barb on the outlet of pump and secure with a cable tie.

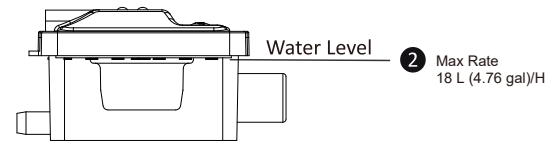
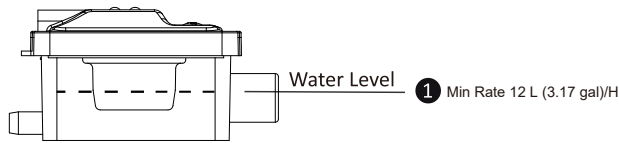
7. Channel discharge tube to an appropriate drain, avoiding restrictions

### 2 INSTALLATION

8. Push the 9 mm (3/8 in) OD x 6 mm (1/4 in) ID tube onto the reservoir and the pump, secured with cableties. Ensure length is under 1.5 m (4.92 ft).

### ③ FUNCTION

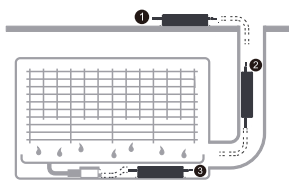
The pump's flow rate automatically adjusts with changes in water level.



Ⓜ for Manual drainage.

### ④ INSTALLATION

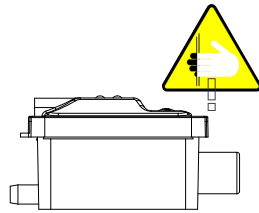
9. Install pump drive unit above the ceiling where possible.



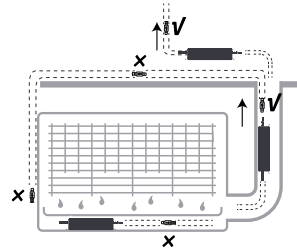
- ① above ceiling
- ② inside conduit
- ③ under condensate drain tray

\* No touch on the reservoir when pump is working in case of wrong detection.

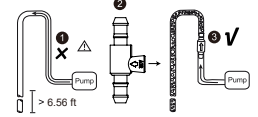
10. No installation on the grounding metal sheet.



### ④ INSTALLATION



① siphoning ② anti-siphoning ③ device

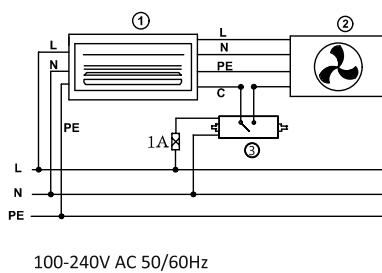


11. Check valve is used in case of water flowing back into the reservoir. This phenomenon is generally caused when the outlet is far higher than the pump. Because of the gravity, the water flows back into the reservoir. Check valve shall be connected as shown in the figure to solve this problem.

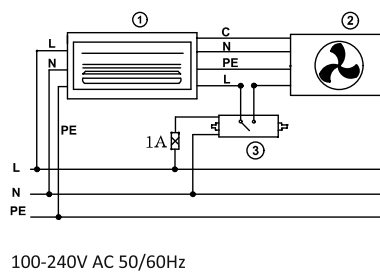
12. Anti-siphon valve is used where siphon phenomenon occurs. The siphon phenomenon is generally caused when the pump is much higher than outlet, which causes the water inside the reservoir or pump still to be drained completely when the pump is not running. This phenomenon is often accompanied by noise. Anti-siphon valve shall be connected according to the diagram to solve this problem.

### ④ INSTALLATION

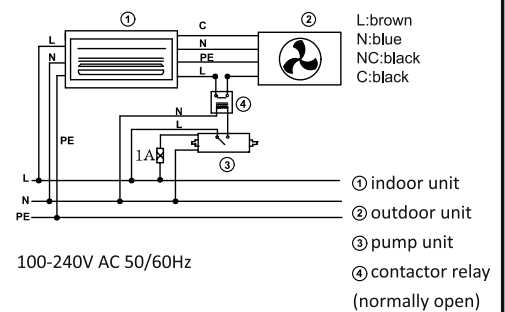
(1) Signal-line connection



(2) Strong electric control connection (current <3A)



(3) Strong electric control connection (current >3A)



### ⑤ SAFETY INSTRUCTIONS

⚠ Read instructions carefully before attempting to install, operate or service. pump installation, connections or any other service should be done by qualified engineers.

This pump has not been investigated for use in swimming pool or marine areas.

Do not install or use the pump if the supply cord or pump itself is broken.

The MINI-SPLIT PUMP has been evaluated for use with water only.

⚠ Ensure the pump is disconnected from the mains supply before carrying out any adjustments or servicing

🏠 Suitable for indoor use only