

Specification:

The advantages of our pumps

- Brushless, permanent magnetic rotor, maintenance-free, long life.
- Small size, high efficiency, low consumption, low noise.
- Ceramic sleeve and ceramic shaft 【optional】.
- Stator and circuit board sealed by epoxy resin, completely water proof.
- Parameter adjustable, 12v pump's head can be 2m to 8m.
- Can be customized.

Mode Note:

DC50F-XXXXXX

- Type: T(2 phase), S(3 phase), A(3 phase speed adjustable)
- Head: 30 means the pump head is 3m
- Voltage: 12 means the voltage is 12V DC
- Differentiate inlet & outlet from DC 50
- Size: 50 means the diameter of pump around 50 mm
- Means the pump is brushless dc pump



Note: DC50F was divided into three series, refer to the Mode note.

Parameter (only for reference, it can be customized)

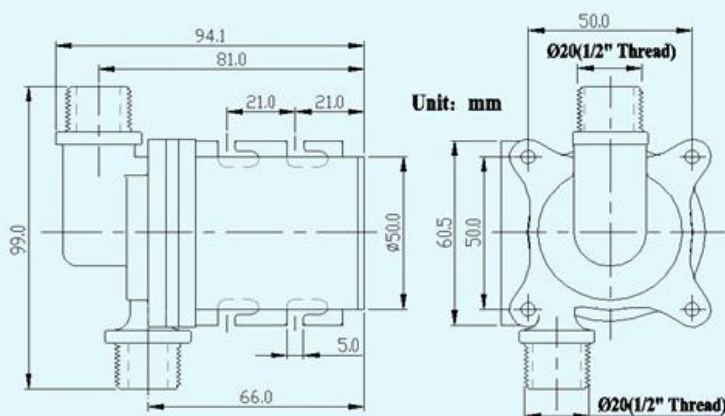
Model	Voltage V	Rated Current A	Max flow L/H	Max head M	Power w
DC50F-1250T	12	1.9	820	5.0	22.8
DC50F-1250S					
DC50F-1250A					
DC50F-1280S	12	3.6	1000	8.0	43.2
DC50F-1280A					
DC50F-2480T					
DC50F-2480S	24	1.8	1000	8.0	43.2
DC50F-2480A					
DC50F-24150S					
DC50F-24150A	24	3.6	1200	15.0	86.4
Remarks	The current above is open outlet current, when contact to circulation system the current will cut down to 55%~65% of Rated current.				

Specs

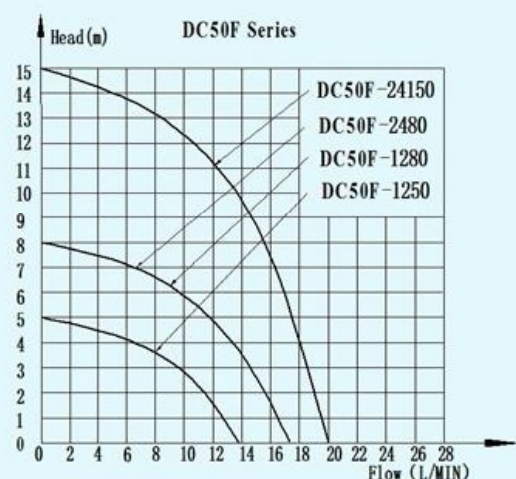
N O	Items	Specs
1	Sizes and weight	94.1x99x50; 480g
2	Dimension of inlet	20mm(1/2 inch thread)
3	Dimension of outlet	20mm(1/2 inch thread)
4	Driving method	Brushless, Magnetic, 2 phase or 3phase
5	Pump material	PA66+GF30% (optional)
6	Condition of use	Continuously
7	Fluids	Water, oil, gasoline, acid and alkali solution
8	Max working temp	60 °C(2 phase) or 100 °C(3 phase)
9	Power consumption	2.5W~43.2W (2 phase) 2.5W~86.4W (3 phase)
10	Rated voltage	12Vdc or 24Vdc
11	Voltage used	5Vdc ~ 12Vdc or 5Vdc ~ 24Vdc
12	Max rated current	1.8A (2 phase) or 3.6A (3 phase)
13	Max flow rate	17L/MIN(4.5G/MIN) — 2 phase 20L/MIN(5.5G/MIN) — 3 phase
14	Max Static Head	8m(26ft) — 2 phase 15m(49ft) — 3 phase
15	Noise	<40dB
16	Water proof class	IP68(can be submersible installed)
17	Life span	More than 30000hrs
18	Power supply	Solar panel; DC electric source; battery

Difference between 2-phase and 3-phase sensor less BLDC pump

2-Phase	◆ Driven by sensor which should be put inside the pump body ◆ Same power supply with 2-phase DC pump ◆ Driven by program, whole control circuit can be put outside ◆ Speed adjustable by PWM, analog signals(0-5v) or potentiometer
3-Phase	◆ Locked-rotor and reverse connection protection ◆ Automatic overload protection and over-temperature protection ◆ Soft start with low in-rush current, great for PV panel



Dimension



Head-Flow curve graph