

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 5m.
- Can be customized.

DC40 Series



Mode Note:

DC40-XXXX

- Head: 30 means the pump head is 3m
- Voltage: 12 means the voltage is 12V DC
- Size: 40 means the diameter of pump around 40 mm
- Means the pump is brushless dc pump

Parameter (only for reference, it can be customized)

Model	Voltage	Rated Current	Max flow		Max head		Power
	V	A	L/H	G/H	M	ft	w
DC40-0510	5	0.5	255	66	1.0	3.5	2.5
DC40-0615	6	0.6	300	79	1.5	4.9	3.6
DC40-0935	9	0.87	420	122	3.5	11.4	8.0
DC40-1220	12	0.45	350	93	2.0	6.5	5.4
DC40-1230	12	0.7	400	106	3.0	9.7	8.4
DC40-1240	12	0.98	460	122	4.0	13	11.8
DC40-1250	12	1.2	500	132	5.0	16.0	14.4
DC40-2430	24	0.35	400	106	3.0	9.7	8.4
DC40-2440	24	0.50	460	127	4.0	13	12
DC40-2450	24	0.65	520	148	5.0	16	15.6
DC40-2460	24	0.90	580	153	6.0	19.5	21.6
DC40-2470	24	1.15	620	164	7.0	22.7	26.4

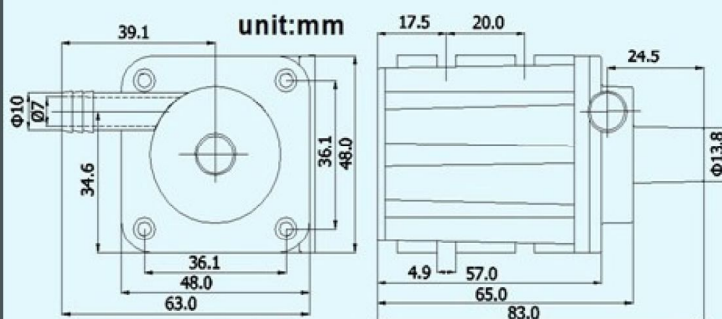
Remarks: Current above is open outlet current, contact to circulation system the current will be 55%~65% of Rated current.

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

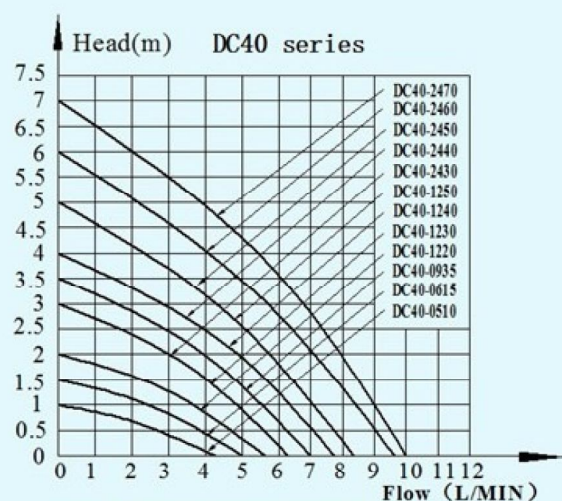
2-Phase	- Driven by sensor which should be put inside the pump body - Same power supply with 2-phase DC pump
3-Phase	- Driven by program, whole control circuit can be put outside - Speed adjustable by PWM, analog signals(0-5v) or potentiometer - Locked-rotor and reverse connection protection - Automatic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

Specs

N O	Items	Specs
1	Sizes and weight	83x63x48; 250g
2	Dimension of inlet	13.8mm
3	Dimension of outlet	10mm
4	Driving method	Brushless, Magnetic, 2 phase or 3phase
5	Pump material	PA66+glass fiber (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~26.4W
10	Rated voltage	12Vdc or 24Vdc
11	Voltage used	5Vdc ~ 12Vdc or 5Vdc ~ 24Vdc
12	Max rated current	1.2A
13	Max flow rate	10.8L/MIN(2.86G/MIN)
14	Max Static Head	7m(23ft)
15	Noise	<35dB
16	Water proof class	IP68(can be submersible installed)
17	Life span	More than 30000hrs
18	Power supply	Solar panel; DC electric source; battery



Dimension



Head-Flow curve graph