

Code:107-1



Golden
World
Trading
Group

www.GoldenWTG.org



The advantages of our pumps

- Brushless, permanent magnetic rotor, maintenance-free, long life.
- Small size, high efficiency, low consumption, low noise.
- Stator and circuit board sealed by epoxy resin, completely water proof.
- Parameter adjustable, 12v pump's head can be 1.5m to 1.9m.
- Can be fixed on the vessel wall with sucking disk.
- Can be customized.

Mode Note:

DC30-XXXX

- Head: 04 means the pump head is 0.4m
- Voltage: 12 means the voltage is 12V DC
- Size: 30 means the diameter of pump around 30 mm
- Means the pump is brushless dc pump

Parameter (only for reference, it can be customized)

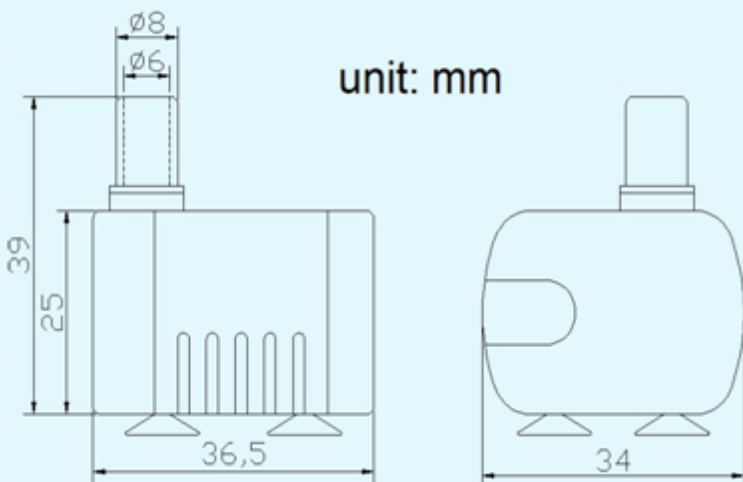
Model	Voltage	Rated Current	Max flow		Max head		Power
	V	A	L/H	G/H	M	ft	w
DC30-0404	4.5	0.10	100	26	0.4	1.3	0.45
DC30-0505	5	0.11	110	29	0.5	1.6	0.55
DC30-0606	6	0.11	120	32	0.6	2	0.66
DC30-0708	7	0.13	160	42	0.8	2.6	0.91
DC30-0911	9	0.15	170	45	1.1	3.6	1.35
DC30-1215	12	0.21	210	56	1.5	4.9	2.52
DC30-1219	12	0.35	240	63	1.9	6.2	4.20

Remarks

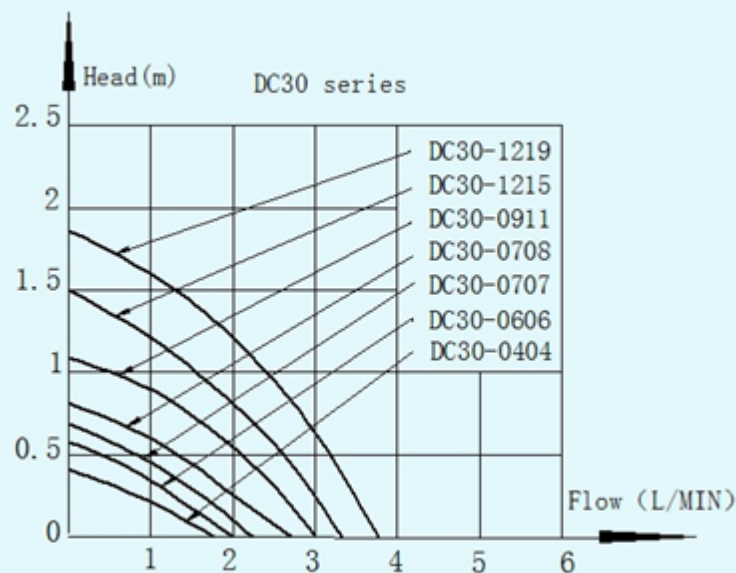
The current above is open outlet current, when contact to circulation system the current will cut down to 55%~65% of Rated current.

Specs

NO	Items	Specs
1	Sizes and weight	34x36.5x39; 50g
2	Dimension of outlet	Optional (8mm or 5mm or 6mm)
3	Driving method	Brushless, Permanent Magnetic , 2 phase
4	Pump material	ABS (optional)
5	Condition of use	Continuously
6	Fluids	Water, oil, gasoline, acid and alkali solution
7	Max working temp	60 Celsius
8	Power consumption	0.5W~4.2W
9	Rated voltage	12Vdc
10	Voltage used	4.5Vdc ~ 12Vdc
11	Max rated current	350mA
12	Max flow rate	4L/MIN(1.06G/MIN)
13	Max Static Head	1.9m(6ft)
14	Noise	<40dB
15	Water proof class	IP68(can be submersible installed)
16	Life span	More than 30000hrs
17	Power supply	Solar panel; DC electric source; battery



Dimension



Head-Flow curve graph

DC30A Series



The advantages of our pumps

- Brushless, permanent magnetic rotor, maintenance-free, long life.
- Small size, high efficiency, low consumption, low noise.
- Stator and circuit board sealed by epoxy resin, completely water proof.
- Parameter adjustable, 12v pump's head can be 1.5m to 3m.

Mode Note:

DC30A-XXXX

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

Parameter (only for reference, it can be customized)

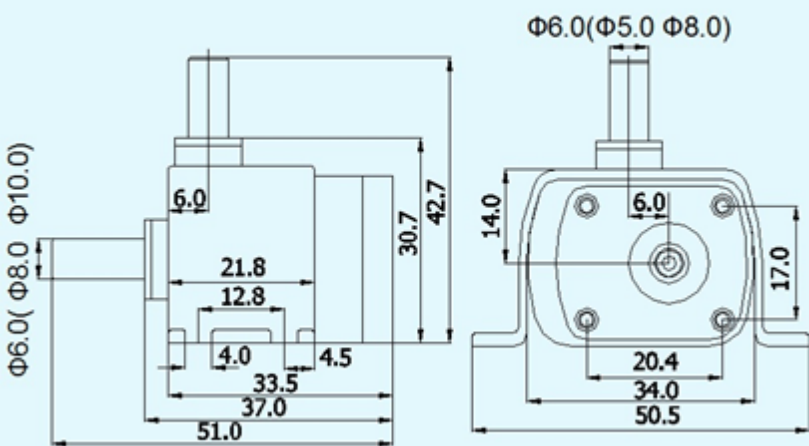
Model	Voltage	Rated Current	Max flow		Max head		Power
	V	A	L/H	G/H	M	ft	w
DC30A-0406	4.5	0.10	100	26	0.6	2.0	0.45
DC30A-0507	5	0.11	110	29	0.7	2.3	0.55
DC30A-0609	6	0.11	120	32	0.9	3.0	0.66
DC30A-0712	7	0.13	160	42	1.2	3.9	0.91
DC30A-0913	9	0.14	170	45	1.3	4.2	1.26
DC30A-1215	12	0.18	200	53	1.5	4.8	2.16
DC30A-1219	12	0.22	210	55	1.9	6.2	2.64
DC30A-1223	12	0.23	220	58	2.3	7.5	2.76
DC30A-1225	12	0.26	230	61	2.5	8.1	3.12
DC30A-1227	12	0.29	235	62	2.7	8.8	3.48
DC30A-1230	12	0.35	240	63	3.0	9.7	4.20

Remarks: The current above is open outlet current, when contact to circulation system the current will cut down to 55%~65% of Rated current. The above parameter tested with 8mm inlet and outlet.

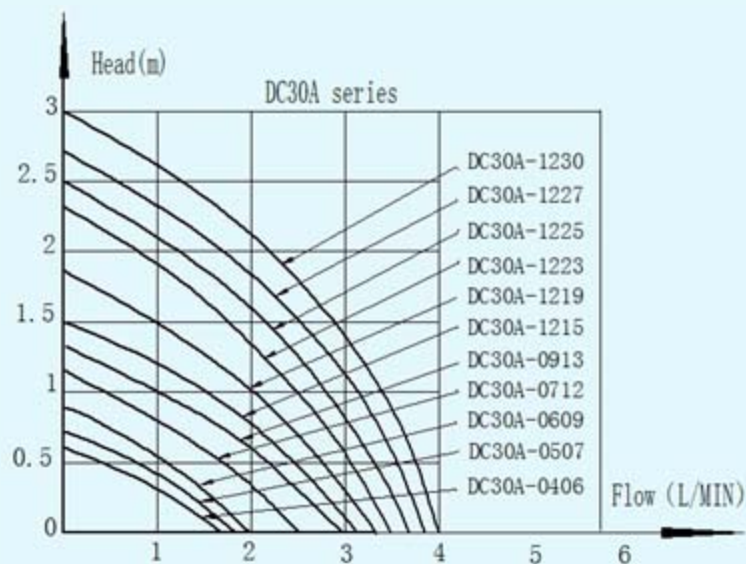
Specification

NO	Items	Specs
1	Sizes and weight	51x34x42.7; 50g
2	Dimension of inlet	Optional (10mm or 8mm or 6mm)
3	Dimension of outlet	Optional (8mm or 5mm or 6mm)
4	Driving method	Brushless, Permanent Magnetic , 2 phase
5	Pump material	ABS+PC (optional)
6	Condition of use	Continuously
7	Fluids	Water, oil, gasoline, acid and alkali solution
8	Max working temp	60 Celsius
9	Power consumption	0.5W~4.2W
10	Rated voltage	12Vdc
11	Voltage used	4.5Vdc ~ 12Vdc
12	Max rated current	350mA
13	Max flow rate	4L/MIN(1.06G/MIN)
14	Max Static Head	3m(9.8ft)
15	Noise	<40dB(most 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

unit: mm



Dimension



Head-Flow curve graph

DC40 Series



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.

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

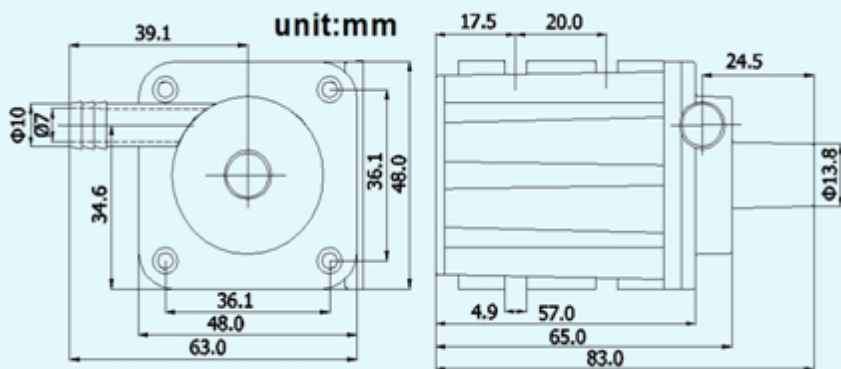
Remarks: Current above is open outlet current, contact to circulation system the current will be 55%~65% of Rated current.

Specs

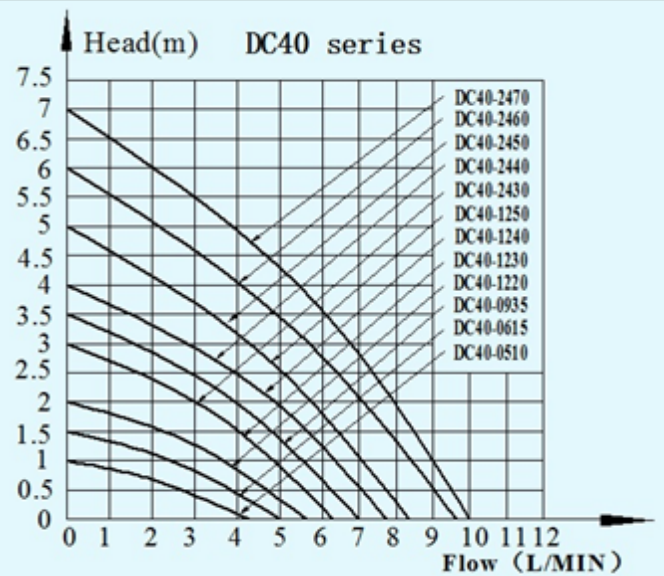
NO	Items	Specs
1	Sizes and weight	83x63x48; 250g
2	Dimension of inlet	13.8mm
3	Dimension of outlet	10mm
4	Driving method	Brushless, Magnetic , 2 phase or 3phase
5	Pump material	PA66+glass fiber (optional)
6	Condition of use	Continuously
7	Fluids	Water, oil, gasoline, acid and alkali solution
8	Max working 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

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
- 3-Phase**
 - 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



Dimension



Head-Flow curve graph

DC40A Series

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 4.5m.
- Can be customized.



Mode Note:

DC40A-XXXX

- Head: 30 means the pump head is 3m
- Voltage: 12 means the voltage is 12V DC
- Differentiate inlet & outlet from DC40
- 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
DC40A-0510	5	0.65	320	85	1.0	3.5	3.25
DC40A-0615	6	0.70	380	100	1.5	4.9	4.2
DC40A-0930	9	0.98	500	132	3.0	9.7	8.82
DC40A-1220	12	0.53	450	120	2.0	6.5	6.36
DC40A-1230	12	0.8	530	140	3.0	9.7	9.6
DC40A-1240	12	1.0	610	161	4.0	13	11.8
DC40A-1245	12	1.2	640	170	4.5	14.6	14.4
DC40A-2430	24	0.48	580	153	3.0	9.7	11.5
DC40A-2440	24	0.68	650	172	4.0	13	16.3
DC40A-2450	24	1.0	680	180	5.0	16	24
DC40A-2460	24	1.2	720	190	6.0	19.5	28.8

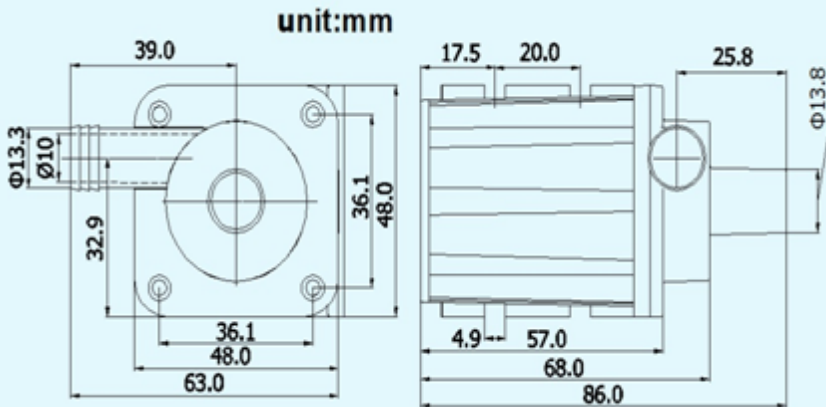
Remarks: The current above is open outlet current, when contact to circulation system the current will cut down to 55%~65% of Rated current.

Specs

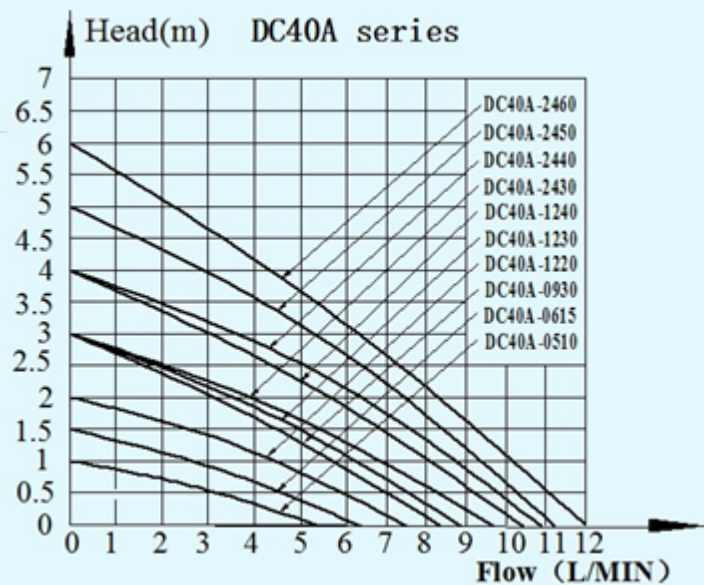
NO	Items	Specs
1	Sizes and weight	83x63x48; 250g
2	Dimension of inlet	13.8mm
3	Dimension of outlet	13.3mm
4	Driving method	Brushless, Magnetic, 2 phase or 3 phase
5	Pump material	PA66+glass fiber (optional)
6	Condition of use	Continuously
7	Fluids	Water, oil, gasoline, acid and alkali solution
8	Max working temp	60 °C (2 phase) or 100 °C (3 phase)
9	Power consumption	3.25W~28.8W
10	Rated voltage	12Vdc or 24Vdc
11	Voltage used	5Vdc ~ 12Vdc or 5Vdc ~ 24Vdc
12	Max rated current	1.2A
13	Max flow rate	12L/MIN(3.2G/MIN)
14	Max Static Head	6m(19.4ft)
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

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

- | | |
|----------------|--|
| 2-Phase | <ul style="list-style-type: none"> ◆ 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 ◆ Locked-rotor and reverse connection protection ◆ Automatic overload protection and over-temperature protection ◆ Soft start with low in-rush current, great for PV panel |
| 3-Phase | <ul style="list-style-type: none"> ◆ 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 ◆ 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

DC40B Series

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 4m.
- Can be customized.



Mode Note:

DC40B-XXXX

- Head: 30 means the pump head is 3m
- Voltage: 12 means the voltage is 12V DC
- Differentiate inlet & outlet from DC40
- 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
DC40B-0510	5	0.5	250	66	1.0	3.5	2.5
DC40B-0615	6	0.6	300	79	1.5	4.9	3.6
DC40B-0935	9	0.87	420	122	3.5	11.4	8.0
DC40B-1220	12	0.45	350	93	2.0	6.5	5.4
DC40B-1230	12	0.7	400	106	3.0	9.7	8.4
DC40B-1240	12	0.98	460	122	4.0	13	11.8
DC40B-2430	24	0.35	400	106	3.0	9.7	8.4
DC40B-2440	24	0.5	460	127	4.0	13	12.0
DC40B-2450	24	0.65	520	148	5.0	16	15.6

Remarks: The current above is open outlet current, when contact to circulation system the current will cut down to 55%~65% of Rated current.

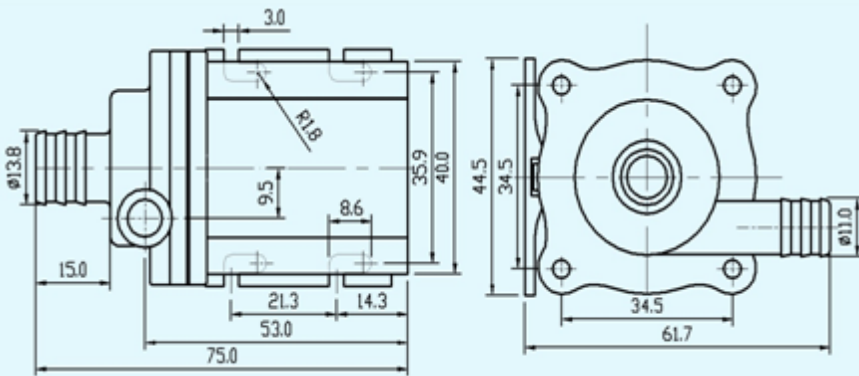
Difference between 2-phase and 3-phase sensor less BLDC pump

2-Phase	<ul style="list-style-type: none"> ◆ Driven by sensor which should be put inside the pump body
3-Phase	<ul style="list-style-type: none"> ◆ 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 ◆ Locked-rotor and reverse connection protection ◆ Automatic overload protection and over-temperature protection ◆ Soft start with low in-rush current, great for PV panel

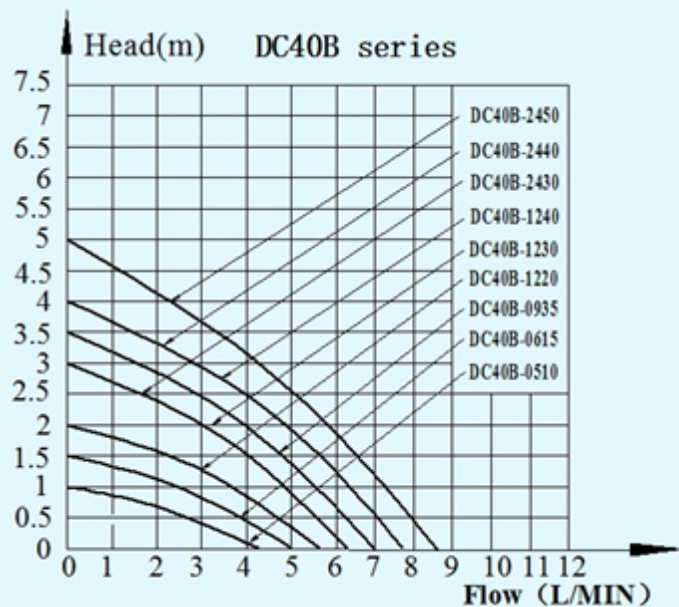
Specs

NO	Items	Specs
1	Sizes and weight	75x61.7x44.5; 250g
2	Dimension of inlet	13.8mm
3	Dimension of outlet	11mm
4	Driving method	Brushless, Magnetic , 2 phase or 3 phase
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~15.6W
10	Rated voltage	12Vdc or 24Vdc
11	Voltage used	5Vdc ~ 12Vdc or 5Vdc ~ 24Vdc
12	Max rated current	1A
13	Max flow rate	9L/MIN(2.4G/MIN)
14	Max Static Head	5m(16ft)
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

unit: mm



Dimension



Head-Flow curve graph

DC40C Series



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 1.5m to 3m.
- Can be customized.

Mode Note:

DC40C-XXXX

- Head: 30 means the pump head is 3m
- Voltage: 12 means the voltage is 12V DC
- Differentiate inlet & outlet from DC40
- 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)

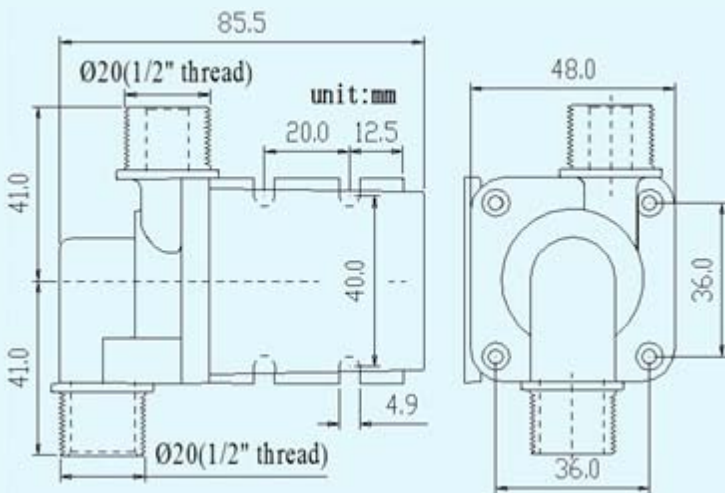
Model	Voltage	Rated Current	Max flow		Max head		Power
	V	A	L/H	G/H	M	ft	w
DC40C-1230	12	1.1	840	222	3.0	9.7	13.2
DC40C-2445	24	1.1	1080	286	4.5	14.6	26.4
Remarks	The current above is open outlet current, when contact to circulation system the current will cut down to 55%~65% of Rated current.						

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

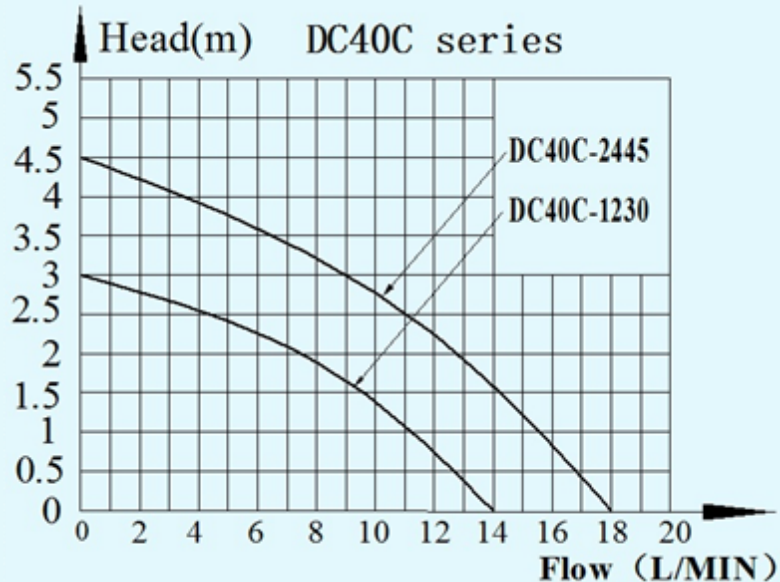
2-Phase	<ul style="list-style-type: none"> ◆ Driven by sensor which should be put inside the pump body
3-Phase	<ul style="list-style-type: none"> ◆ Same power supply with 2-phase DC pump ◆ Driven by program, whole control circuit can be put outside ◆ Speed adjustable by PWM, analog signals(0-5v) or potentiometer ◆ 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

NO	Items	Specs
1	Sizes and weight	85.5x82x48; 250g
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 3 phase
5	Pump material	PA66+glass fiber (optional)
6	Condition of use	Continuously
7	Fluids	Water, oil, gasoline, acid and alkali solution etc
8	Max working temperature	60 °C(2 phase) or 100 °C(3 phase)
9	Power consumption	3.25W~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	18L/MIN(4.76G/MIN)
14	Max Static Head	4.5m(14.6ft)
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

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.



Mode Note:

DC40D-XXXX

- Head: 80 means the pump head is 8m
- Voltage: 12 means the voltage is 12V DC
- Differentiate inlet & outlet from DC40
- 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)

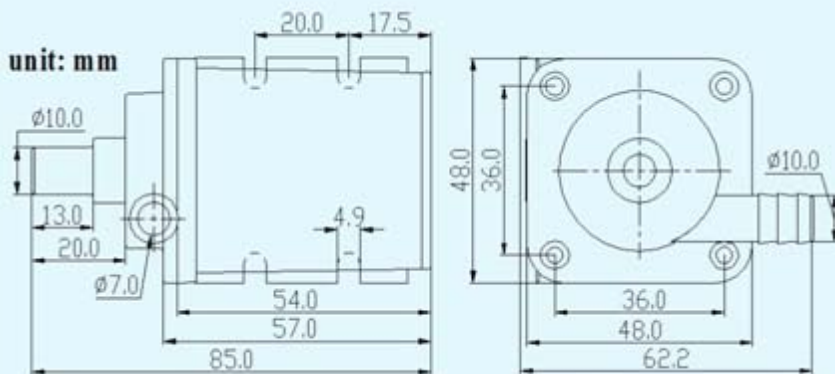
Model	Voltage	Rated Current	Max flow		Max head		Power
	V	A	L/H	G/H	M	ft	w
DC40D-1250	12	1.1	450	120	5.0	16.0	13.2
DC40D-2480	24	1.1	550	146	8.0	26.0	26.4
Remarks	The current above is open outlet current, when contact to circulation system the current will cut down to 55%~65% of Rated current.						

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

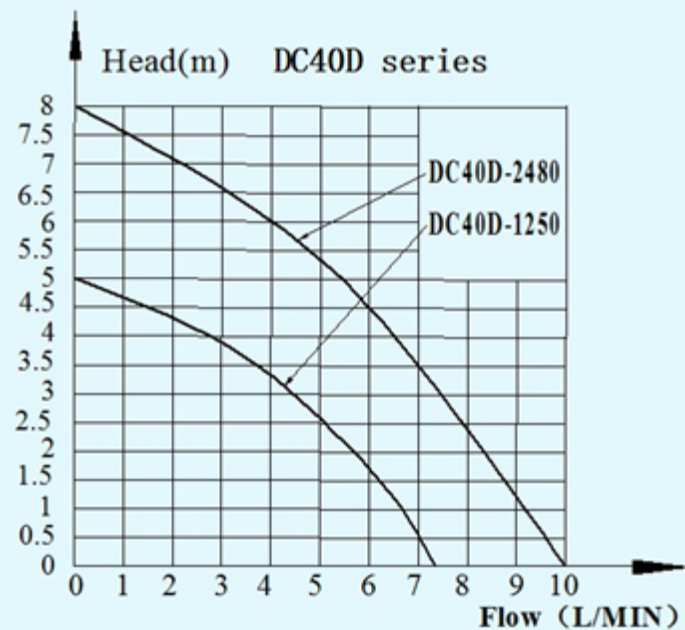
2-Phase	<ul style="list-style-type: none"> ◆ Driven by sensor which should be put inside the pump body ◆ Same power supply with 2-phase DC pump
3-Phase	<ul style="list-style-type: none"> ◆ Driven by program, whole control circuit can be put outside ◆ Speed adjustable by PWM, analog signals(0-5v) or potentiometer ◆ 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

NO	Items	Specs
1	Sizes and weight	85x62.2x48; 250g
2	Dimension of inlet	10mm
3	Dimension of outlet	10mm
4	Driving method	Brushless, Permanent Magnetic , 2 phase
5	Pump material	PA66+glass fiber or customized
6	Condition of use	Continuously
7	Fluids	Water, oil, gasoline, acid and alkali solution
8	Max working temp	70 Celsius
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	10L/MIN(2.6G/MIN)
14	Max Static Head	8m(26ft)
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

DC40E Series

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.



Mode Note:

DC40E-XXXX

- Head: 70 means the pump head is 7m
- Voltage: 12 means the voltage is 12V DC
- Differentiate inlet & outlet from DC40
- 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)

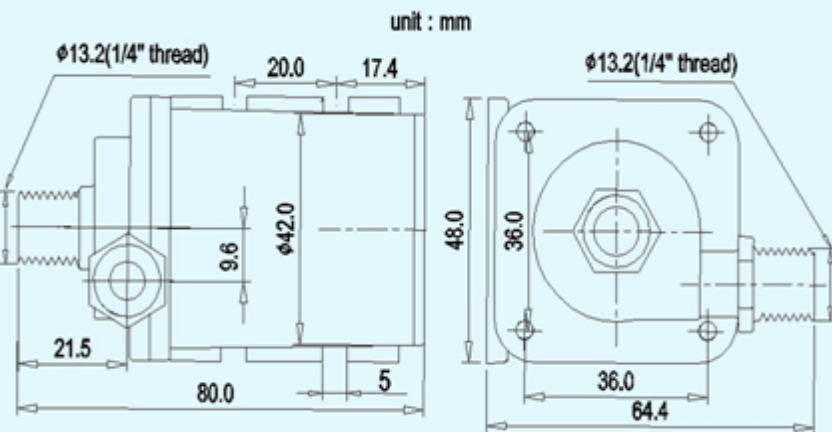
Model	Voltage	Rated Current	Max flow		Max head		Power
	V	A	L/H	G/H	M	ft	w
DC40E-1250	12	1.1	500	132	5.0	16	13.2
DC40E-2470	24	1.1	620	164	7.0	23	26.4
Remarks	The current above is open outlet current, when contact to circulation system the current will cut down to 55%~65% of Rated current.						

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

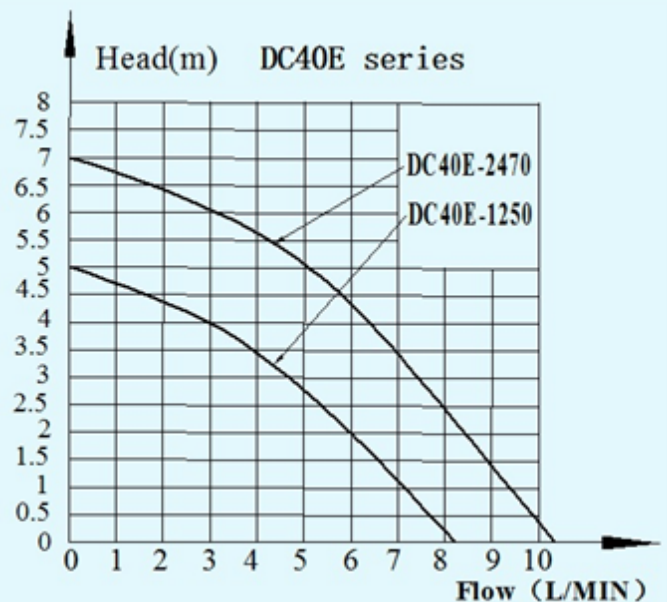
2-Phase	<ul style="list-style-type: none"> ◆ Driven by sensor which should be put inside the pump body ◆ Same power supply with 2-phase DC pump ◆ Driven by program, whole control circuit can be put outside
3-Phase	<ul style="list-style-type: none"> ◆ Speed adjustable by PWM, analog signals(0-5v) or potentiometer ◆ 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

NO	Items	Specs
1	Sizes and weight	80x64.4x48; 250g
2	Dimension of inlet	13.2mm(1/4 inch thread)
3	Dimension of outlet	13.2mm(1/4 inch thread)
4	Driving method	Brushless, Magnetic , 2 phase or 3 phase
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	10.5L/MIN(2.7G/MIN)
14	Max Static Head	7m(26ft)
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

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 1.5m to 4m.
- Can be customized.

Mode Note:

DC50-XXXXX

- 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
- Size: 50 means the diameter of pump around 50 mm
- Means the pump is brushless dc pump



Specs

Note: DC 50 was divided into three series, refer to the Mode note.

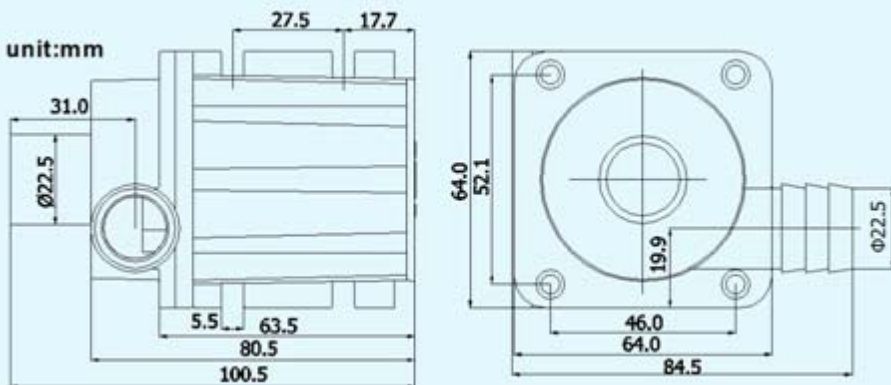
Parameter (only for reference, it can be customized)

Model	Voltage V	Rated Current A	Max flow L/H	Max head M	Power w
DC50-1220T	12	1.5	1300	2.0	18
DC50-1220S					
DC50-1220A					
DC50-1230S	12	2.6	1700	3.0	31.2
DC50-1230A					
DC50-1240S	12	3.8	2150	4.0	45.6
DC50-1240A					
DC50-2430T	24	1.3	1700	3.0	31.2
DC50-2430S					
DC50-2430A					
DC50-2440T	24	1.9	2150	4.0	45.6
DC50-2440S					
DC50-2440A					
DC50-2450S	24	2.8	2300	5.0	67.2
DC50-2450A					
DC50-2470S	24	3.6	2500	7.0	86.4
DC50-2470A					
Remarks	The current above is open outlet current, when contact to circulation system the current will cut down to 55%~65% of Rated current.				

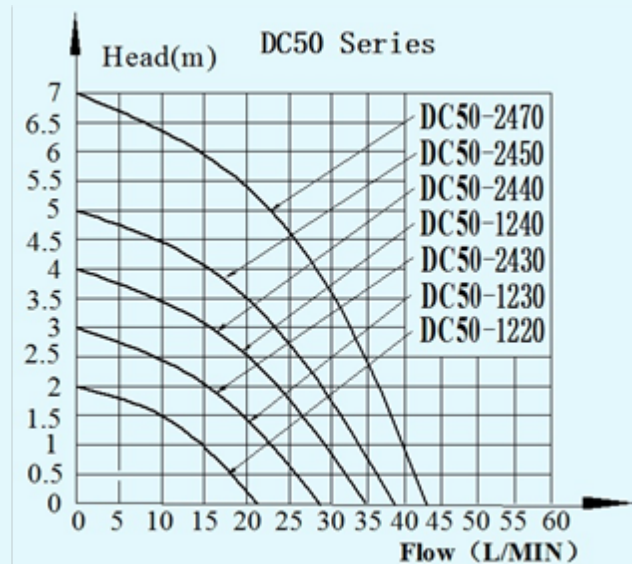
NO	Items	Specs
1	Sizes and weight	100.5x84.5x64; 480g
2	Dimension of inlet	22.5mm
3	Dimension of outlet	22.5mm
4	Driving method	Brushless, Magnetic, 2 phase or 3phase
5	Pump material	PA66+GF30% (optional)
6	Condition of use	Continuously
7	Fluids	Water, oil, gasoline, acid and alkali solution
8	Max working temp	60 °C(2 phase) or 100 °C(3 phase)
9	Power consumption	2.5W~50.4W (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	2.1A (2 phase) or 3.8A (3 phase)
13	Max flow rate	36L/MIN(9.5G/MIN) — 2 phase 43L/MIN(12G/MIN) — 3 phase
14	Max Static Head	4m(13ft) — 2 phase 7m(23ft) — 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 | <ul style="list-style-type: none"> ◆ Driven by sensor which should be put inside the pump body |
| 3-Phase | <ul style="list-style-type: none"> ◆ 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 ◆ 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



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 1.5m to 3.5m.
- Can be customized.

Mode Note:

DC50A-XXXXX

- 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



Specs

Note: DC50A was divided into three series, refer to the Mode note.

Parameter (only for reference, it can be customized)

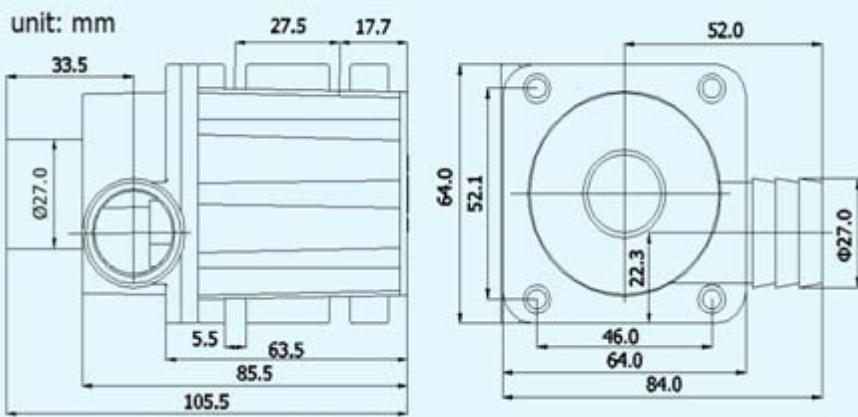
Model	Voltage V	Rated Current A	Max flow L/H	Max head M	Power w
DC50A-1223S	12	2.6	2000	2.3	31.2
DC50A-1223A					
DC50A-1230S	12	3.0	2200	3.0	36.0
DC50A-1230A					
DC50A-1235S	12	3.8	2500	3.5	45.6
DC50A-1235A					
DC50A-2423T	24	1.3	2000	2.35	31.2
DC50A-2423S					
DC50A-2423A	24	1.9	2500	3.5	45.6
DC50A-2435T					
DC50A-2435S	24	3.0	2900	4.0	72
DC50A-2440S					
DC50A-2440A	24	3.6	3600	5.0	86.4
DC50A-2450S					
DC50A-2450A					

Remarks: The current above is open outlet current, when contact to circulation system the current will cut down to 55%~65% of Rated current.

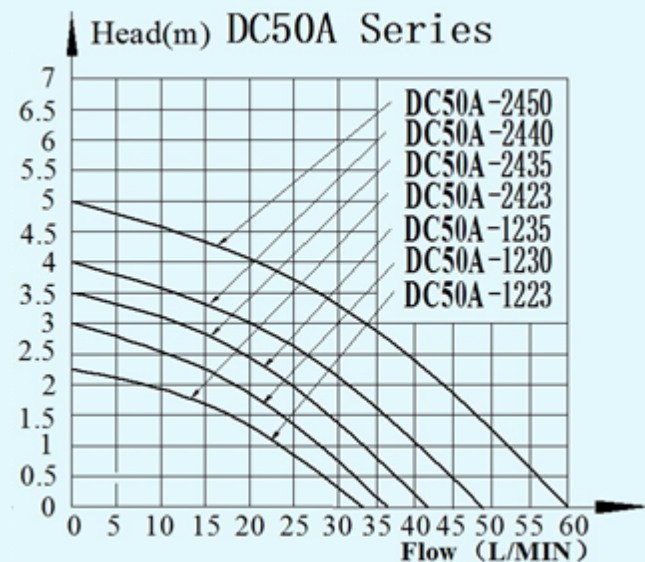
Difference between 2-phase and 3-phase sensor less BLDC pump

2-Phase	<ul style="list-style-type: none"> ◆ Driven by sensor which should be put inside the pump body
3-Phase	<ul style="list-style-type: none"> ◆ 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 ◆ Locked-rotor and reverse connection protection ◆ Automatic overload protection and over-temperature protection ◆ Soft start with low in-rush current, great for PV panel

NO	Items	Specs
1	Sizes and weight	105.5x84x64; 480g
2	Dimension of inlet	27mm
3	Dimension of outlet	27mm
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~45.6W (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	1.9A (2 phase) or 3.6A (3 phase)
13	Max flow rate	42L/MIN(9.5G/MIN) — 2 phase 60L/MIN(12G/MIN) — 3 phase
14	Max Static Head	3.5m(11.5ft) — 2 phase 5m(16.5ft) — 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



Dimension



Head-Flow curve graph



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 3m to 8m.
- Can be customized.

Mode Note:

DC50B-XXXXX

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

Specs

Note: DC50B was divided into three series, refer to the Mode note.

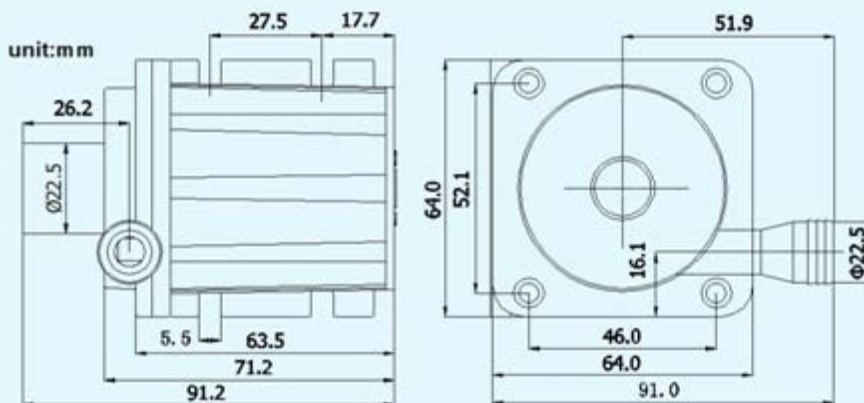
Parameter (only for reference, it can be customized)

Model	Voltage	Rated Current	Max flow	Max head	Power
	V	A	L/H	M	w
DC50B-1240T	12	1.6	1050	4.0	19.2
DC50B-1240S					
DC50B-1240A					
DC50B-1250T	12	2.0	1200	5.0	24.0
DC50B-1250S					
DC50B-1250A					
DC50B-1280S	12	3.8	1330	8.0	45.6
DC50B-1280A					
DC50B-2450T					
DC50B-2450S	24	1.0	1200	5.0	24.0
DC50B-2450A					
DC50B-2480T					
DC50B-2480S	24	1.9	1330	8.0	45.6
DC50B-2480A					
DC50B-2480A					
DC50B-24100S	24	3.4	1440	10.0	81.6
DC50B-24100A					
DC50B-24130S					
DC50B-24130A	24	3.6	1600	13.0	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.				

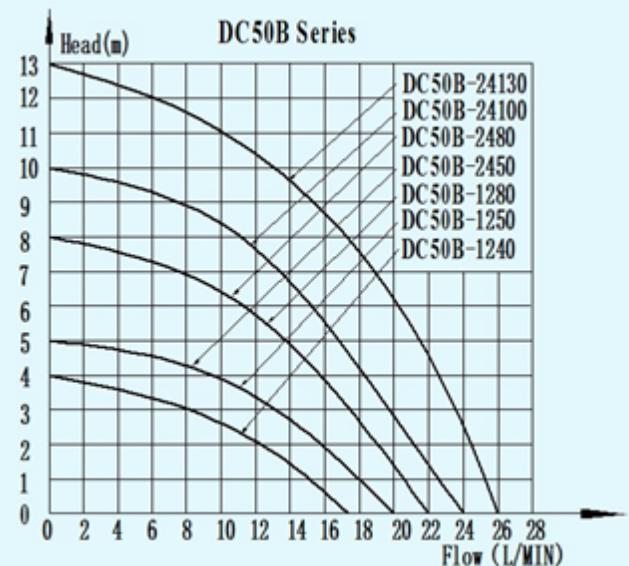
NO	Items	Specs
1	Sizes and weight	100.5x84.5x64; 480g
2	Dimension of inlet	22.5mm
3	Dimension of outlet	22.5mm
4	Driving method	Brushless, Magnetic, 2 phase or 3phase
5	Pump material	PA66+GF30% (optional)
6	Condition of use	Continuously
7	Fluids	Water, oil, gasoline, acid and alkali solution
8	Max working temp	60 °C(2 phase) or 100 °C(3 phase)
9	Power consumption	2.5W~50.4W (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	2.1A (2 phase) or 3.8A (3 phase)
13	Max flow rate	21L/MIN(6.5G/MIN) — 2 phase 27L/MIN(7G/MIN) — 3 phase
14	Max Static Head	8m(26ft) — 2 phase 13m(43ft) — 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 | <ul style="list-style-type: none"> ◆ 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 |
| 3-Phase | <ul style="list-style-type: none"> ◆ 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 |



Dimension



Head-Flow curve graph

The advantages of our pumps

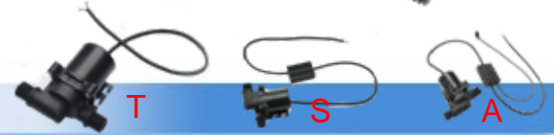
- Brushless, permanent magnetic rotor, maintenance-free, long life.
- Small size, high efficiency, low consumption, low noise.
- Ceramic sleeve and ceramic shaft 【optional】.
- Stator and circuit board sealed by epoxy resin, completely water proof.
- Parameter adjustable, 12v pump's head can be 1.5m to 4m.
- Can be customized.



Mode Note:

DC50C-XXXXX

- 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



Specs

Note: DC50C was divided into three series, refer to the Mode note.

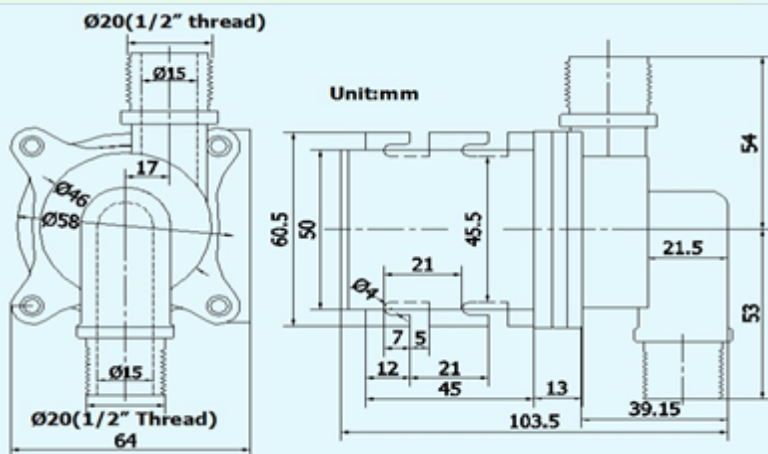
Parameter (only for reference, it can be customized)

Model	Voltage V	Rated Current A	Max flow L/H	Max head M	Power w					
DC50C-1220T	12	1.57	1300	2.0	18.8					
DC50C-1220S										
DC50C-1220A										
DC50C-1230S	12	3.0	1700	3.0	36.0					
DC50C-1230A										
DC50C-1240S										
DC50C-1240A	12	3.8	2150	4.0	45.6					
DC50C-2430T						24	1.5	1700	3.0	36.0
DC50C-2430S										
DC50C-2430A										
DC50C-2440T	24	1.9	2150	4.0	45.6					
DC50C-2440S										
DC50C-2440A										
DC50C-2450S	24	2.9	2300	5.0	69.6					
DC50C-2450A										
DC50C-2465S										
DC50C-2465A	24	3.6	2450	6.5	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.

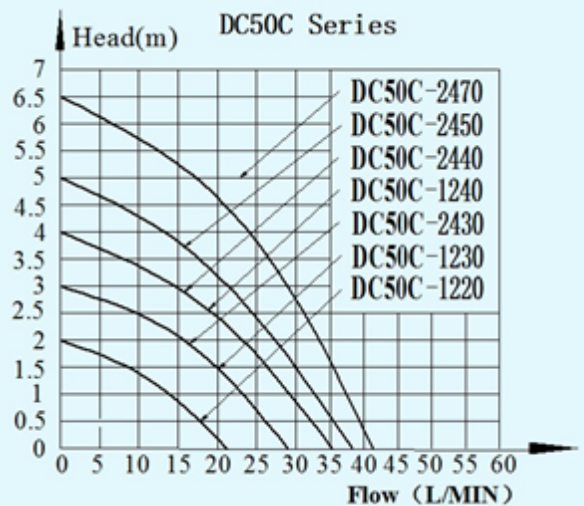
Difference between 2-phase and 3-phase sensor less BLDC pump

- | | |
|---------|---|
| 2-Phase | <ul style="list-style-type: none"> ◆ Driven by sensor which should be put inside the pump body ◆ Same power supply with 2-phase DC pump |
| 3-Phase | <ul style="list-style-type: none"> ◆ 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 |



Dimension

NO	Items	Specs
1	Sizes and weight	100.5x84.5x64; 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~45.6W (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	2.1A (2 phase) or 3.8A (3 phase)
13	Max flow rate	36L/MIN(9.5G/MIN) — 2 phase 41L/MIN(11G/MIN) — 3 phase
14	Max Static Head	4m(13ft) — 2 phase 6.5m(21ft) — 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



Head-Flow curve graph

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 1.5m to 4m.
- Can be customized.

Mode Note:

DC50D-XXXXX

- 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



Specs

Note: DC50D was divided into three series, refer to the Mode note.

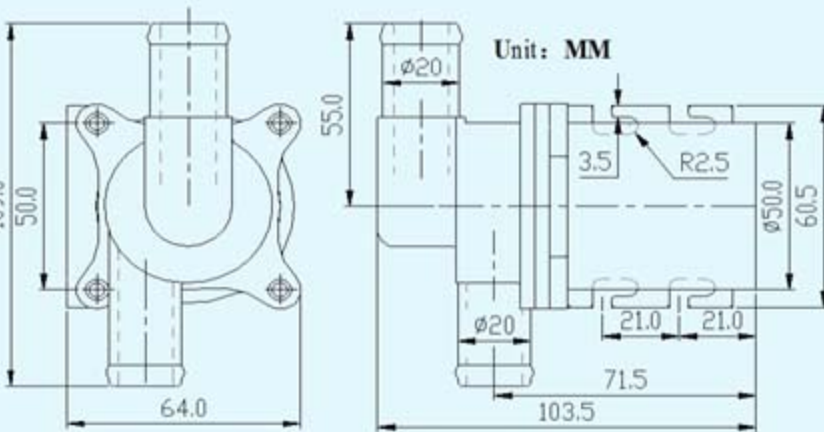
Parameter (only for reference, it can be customized)

Model	Voltage V	Rated Current A	Max flow L/H	Max head M	Power W
DC50D-1220T	12	1.57	1300	2.0	18.8
DC50D-1220S					
DC50D-1220A					
DC50D-1230S	12	3.0	1700	3.0	36.0
DC50D-1230A					
DC50D-1240S					
DC50D-1240A	24	1.5	1700	3.0	36.0
DC50D-2430T					
DC50D-2430S					
DC50D-2430A	24	1.9	2150	4.0	45.6
DC50D-2440T					
DC50D-2440S					
DC50D-2440A	24	2.9	2300	5.0	69.6
DC50D-2450S					
DC50D-2450A					
DC50D-2465S	24	3.6	2450	6.5	86.4
DC50D-2465A					
Remarks	The current above is open outlet current, when contact to circulation system the current will cut down to 55%~65% of Rated current.				

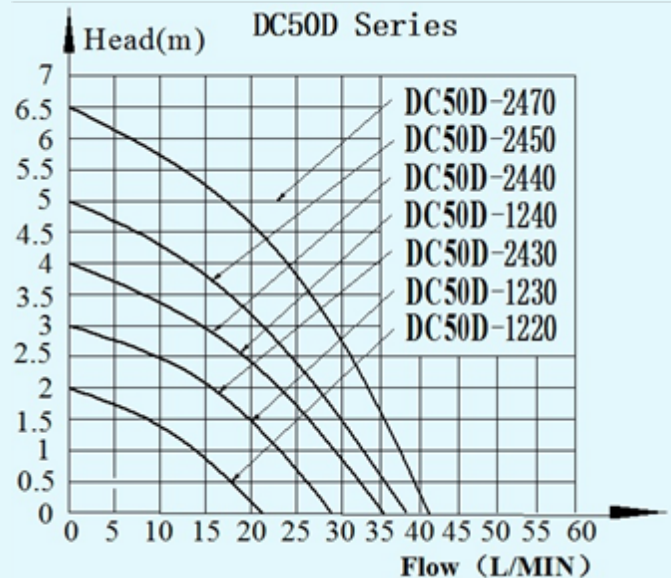
N O	Items	Specs
1	Sizes and weight	100.5x84.5x64; 480g
2	Dimension of inlet	20mm
3	Dimension of outlet	20mm
4	Driving method	Brushless, Magnetic , 2 phase or 3phase
5	Pump material	PA66+GF30% (optional)
6	Condition of use	Continuously
7	Fluids	Water, oil, gasoline, acid and alkali solution
8	Max working temp	60 °C(2 phase) or 100 °C(3 phase)
9	Power consumption	2.5W~45.6W (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	2.1A (2 phase) or 3.8A (3 phase)
13	Max flow rate	36L/MIN(9.5G/MIN) — 2 phase 41L/MIN(11G/MIN) — 3 phase
14	Max Static Head	4m(13ft) — 2 phase 6.5m(21ft) — 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 | <ul style="list-style-type: none"> ◆ 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 |
| 3-Phase | <ul style="list-style-type: none"> ◆ 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 |



Dimension



Head-Flow curve graph

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 3m to 8m.
- Can be customized.



Mode Note:

DC50E-XXXXX

- 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

Specs

Note: DC50E was divided into three series, refer to the Mode note.

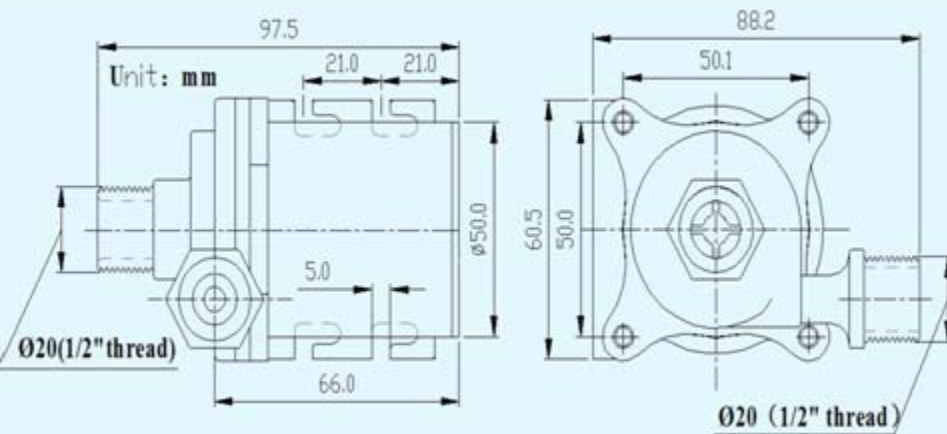
Parameter (only for reference, it can be customized)

Model	Voltage	Rated Current	Max flow	Max head	Power
	V	A	L/H	M	w
DC50E-1250T	12	1.9	820	5.0	22.8
DC50E-1250S					
DC50E-1250A					
DC50E-1280S	12	3.6	1000	8.0	43.2
DC50E-1280A					
DC50E-2480T	24	1.8	1000	8.0	43.2
DC50E-2480S					
DC50E-2480A					
DC50E-24150S	24	3.6	1200	15.0	86.4
DC50E-24150A					
Remarks	The current above is open outlet current, when contact to circulation system the current will cut down to 55%~65% of Rated current.				

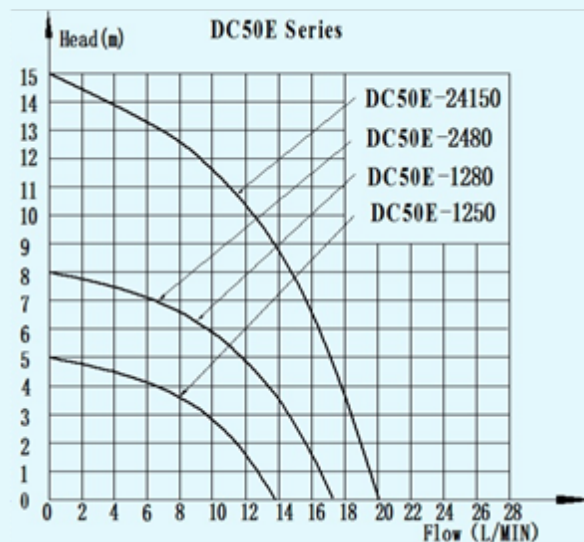
NO	Items	Specs
1	Sizes and weight	97.5x88.2x60.5; 480g
2	Dimension of inlet	20mm(1/2 inch thread)
3	Dimension of outlet	20mm(1/2 inch thread)
4	Driving method	Brushless, Magnetic, 2 phase or 3phase
5	Pump material	PA66+GF30% (optional)
6	Condition of use	Continuously
7	Fluids	Water, oil, gasoline, acid 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	<ul style="list-style-type: none"> ◆ Driven by sensor which should be put inside the pump body
3-Phase	<ul style="list-style-type: none"> ◆ 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 ◆ 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

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-XXXXX

- 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)

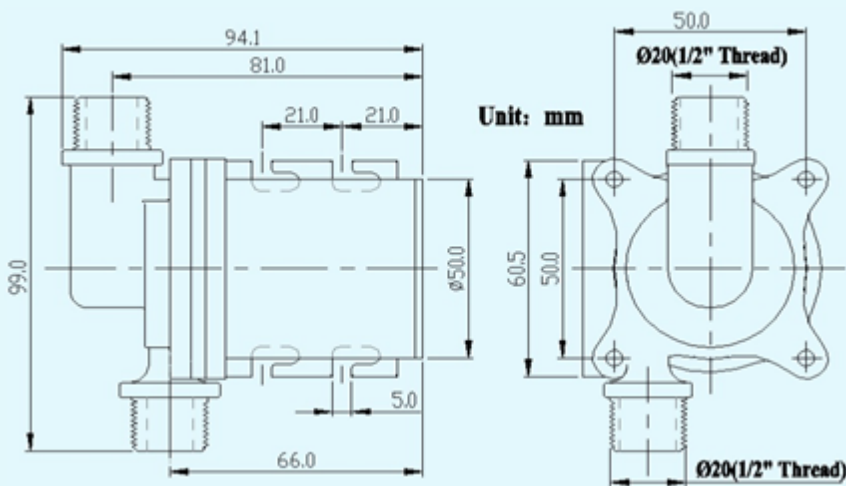
Model	Voltage	Rated Current	Max flow	Max head	Power
	V	A	L/H	M	w
DC50F-1250T	12	1.9	820	5.0	22.8
DC50F-1250S					
DC50F-1250A					
DC50F-1280S	12	3.6	1000	8.0	43.2
DC50F-1280A					
DC50F-2480T					
DC50F-2480S	24	1.8	1000	8.0	43.2
DC50F-2480A					
DC50F-24150S					
DC50F-24150A	24	3.6	1200	15.0	86.4
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

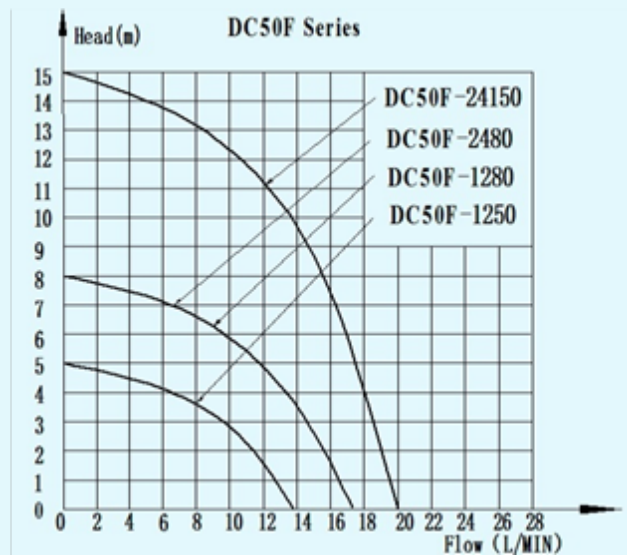
N O	Items	Specs
1	Sizes and weight	94.1x99x50; 480g
2	Dimension of inlet	20mm(1/2 inch thread)
3	Dimension of outlet	20mm(1/2 inch thread)
4	Driving method	Brushless, Magnetic , 2 phase or 3phase
5	Pump material	PA66+GF30% (optional)
6	Condition of use	Continuously
7	Fluids	Water, oil, gasoline, acid 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

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