Code:107-1



www.GoldenWTG.org

- > 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

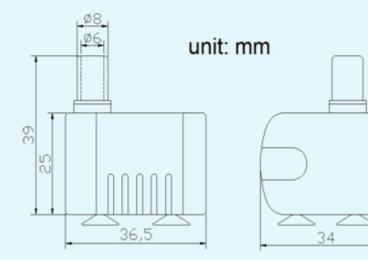
Parameter (only for reference, it can be customized)

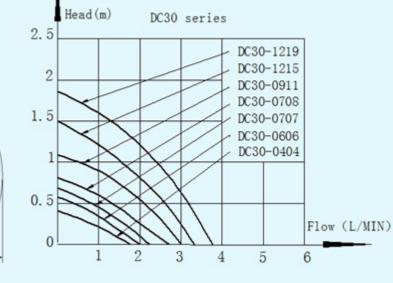
	Rated Current	Max flow		Max head		Power
V	Α	L/H	G/H	М	ft	w
4.5	0.10	100	26	0.4	1.3	0.45
5	0.11	110	29	0.5	1.6	0.55
6	0.11	120	32	0.6	2	0.66
7	0.13	160	42	0.8	2.6	0.91
9	0.15	170	45	1.1	3.6	1.35
12	0.21	210	56	1.5	4.9	2.52
12	0.35	240	63	1.9	6.2	4.20
	5 6 7 9 12 12	4.5 0.10 5 0.11 6 0.11 7 0.13 9 0.15 12 0.21 12 0.35	4.5 0.10 100 5 0.11 110 6 0.11 120 7 0.13 160 9 0.15 170 12 0.21 210 12 0.35 240	4.5 0.10 100 26 5 0.11 110 29 6 0.11 120 32 7 0.13 160 42 9 0.15 170 45 12 0.21 210 56	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	4.5 0.10 100 26 0.4 1.3 5 0.11 110 29 0.5 1.6 6 0.11 120 32 0.6 2 7 0.13 160 42 0.8 2.6 9 0.15 170 45 1.1 3.6 12 0.21 210 56 1.5 4.9 12 0.35 240 63 1.9 6.2

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

	and the second	
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





Head-Flow curve graph

- > 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

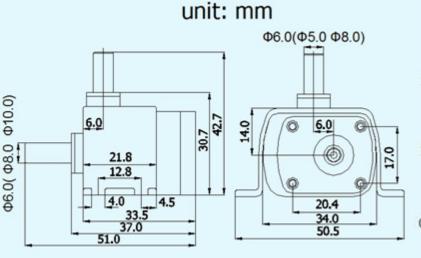
- Head: 30 means the pump head is 3m
 Voltage: 12 means the voltage is 12V DC
 - Differentiate inlet & outlet from DC 30
 - Size: 30 means the diameter of pump around 30 mm Means the pump is brushless dc pump

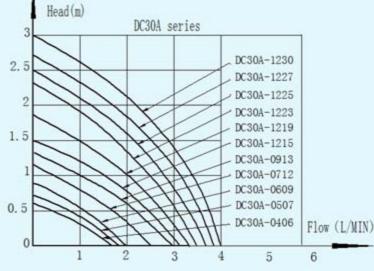
Parameter (only for reference, it can be customized)

Model	Voltage	Rated Current	Max	flow	Max	head	Power
Model	V	Α	L/H	G/H	М	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 abo	ve parameter tes	sted w	ith 8mi	n inlet	and o	utlet.

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





Head-Flow curve graph

Dimension

DC30A Series



- 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)

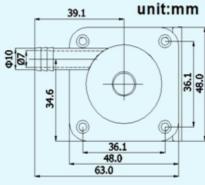
	Voltage	Rated Current	Max	flow	Max	head	Power	
Model	V	Α	L/H	G/H	М	ft	w	
DC40-0510	5	0.5	255	66	1.0	3.5	2.5	ŀ
DC40-0615	6	0.6	300	79	1.5	4.9	3.6	┝
DC40-0935	9	0.87	420	122	3.5	11.4	8.0	
DC40-1220	12	0.45	350	93	2.0	6.5	5.4	
DC40-1230	12	0.7	400	106	3.0	9.7	8.4	
DC40-1240	12	0.98	460	122	4.0	13	11.8	
DC40-1250	12	1.2	500	132	5.0	16.0	14.4	ŀ
DC40-2430	24	0.35	400	106	3.0	9.7	8.4	ŀ
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	L
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.								_
	by otorn the		<i>,,,,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		rtatou	Gaine		
Difference between 2-phase and 3-phase sensor less BLDC pump								
2-Phase 🔶 1	Driven by se	ensor which should	d be pu	ıt inside	the pu	mp bo	dy	

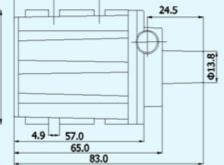
◆ Same power supply with 2-phase DC pump

- ◆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
 - \diamond Soft start with low in-rush current, great for PV panel

17.5

20.0



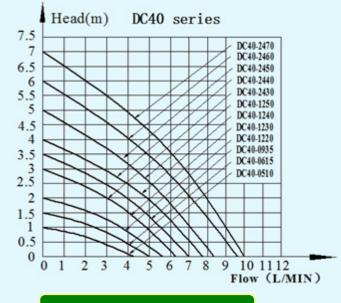


Dimension

11
1.

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





- > 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:

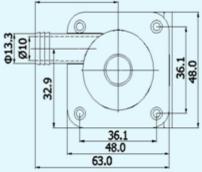
$\underline{DC40A}$ -XXXX

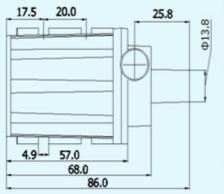
Head: 30 means the pump head is 3m
Voltage: 12 means the voltage is 12V DC
Differentiate inlet & outlet from DC40
Size: 40 means the diameter of pump around 40 mm

Means the pump is brushless dc pump

Parameter (only for reference, it can be customized)

	Model	Voltage	Rated Current	Max	flow	Max I	nead	Power	
	Model	V	Α	L/H	G/H	М	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	DC40A-2460 24 1.2 720 190 6.0 19.5 28.8					28.8		
	Remarks		ent above is ope on system the cu current.						
	Difference b	etween 2	2-phase and 3-p	hase s	sensor	less B	LDC	pump	
	2-Phase ♦ D	viven by s	sensor which shou	ıld be p	out insic	le the p	ump b	ody	
 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 									
	unit:mm								
	39.0 17.5 20.0 25.8								





Dimension

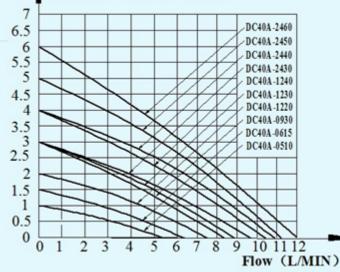


\subseteq		
NO	Items	Specs
1	Sizes and weight	83x63x48; 250g
2	Dimension of inlet	13.8mm
3	Dimension of outlet	13.3mm
4	Driving method	Brushless, Magnetic, 2 phase or 3 phase
5	Pump material	PA66+glass fiber (optional)
6	Condition of use	Continuously
7	Fluids	Water, oil, gasoline, acid and alkali solution
8	Max working temp	60 $^{\circ}$ C(2 phase) or 100 $^{\circ}$ 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

Head(m)

Specs

DC40A series



- > 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	Itage Rated Current		Max flow		Max head	
Woder	V	Α	L/H	G/H	М	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

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

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

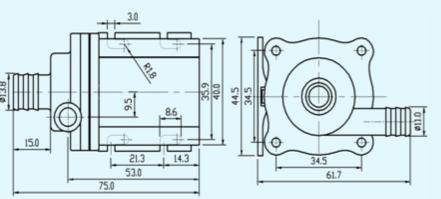
2-Phase \blacklozenge Driven by sensor which should be put inside the pump body

- ◆ 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 **3-Phase**

- ◆ Automatic overload protection and over-temperature protection
- ◆ Soft start with low in-rush current, great for PV panel

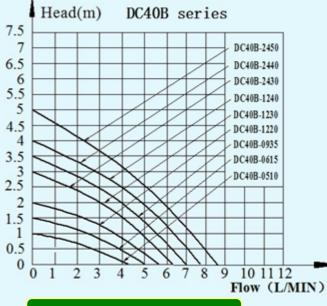
unit: mm



Dimension

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	$60^{\circ}C(2 \text{ phase}) \text{ or } 100^{\circ}C(3 \text{ phase})$
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



Head-Flow curve graph

DC40B Series





- > 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:

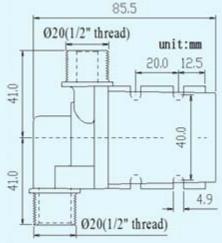
DC40C-XXXX

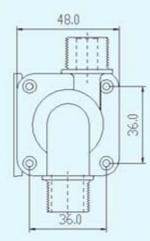
Head: 30 means the pump head is 3m Voltage: 12 means the voltage is 12V DC Differentiate inlet & outlet from DC40 Size: 40 means the diameter of pump around 40 mm Means the pump is brushless dc pump

Parameter (only for reference, it can be customized)

Model	Voltage	Rated Current	Max flow		Max head P		Power
woder	V	Α	L/H	G/H	М	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							

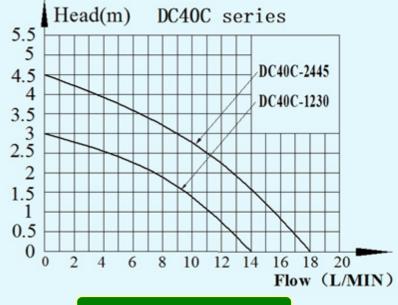
- **2-Phase** \blacklozenge Driven by sensor which should be put inside the pump body
 - ◆Same power supply with 2-phase DC pump
 - •Driven by program, whole control circuit can be put outside
 - ◆ Speed adjustable by PWM, analog signals(0-5v) or potentiometer
- 3-Phase ◆ Locked-rotor and reverse connection protection
 - ◆ Automatic overload protection and over-temperature protection
 - \blacklozenge 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 $^{\circ}$ C(2 phase) or 100 $^{\circ}$ 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	



Head-Flow curve graph



- > 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)

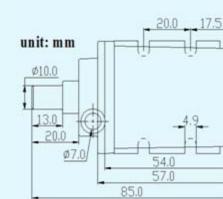
Model	Voltage Rated Current Max flow		age Rated Current Max flow Max hea		head	Power	
woder	V	Α	L/H	G/H	М	ft	w
DC40D-1250	12	1.1	450	120	5.0	16.0	13.2
DC40D-2480	24	1.1	550	146	8.0	26.0	26.4
	The current above is open outlet current, when contact to circulation system the current will cut down to 55%~65%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

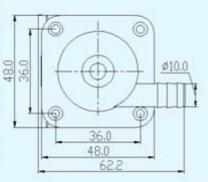
Difference between 2-phase and 3-phase sensor less BLDC pump

2-Phase \blacklozenge 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







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

Specs

Head(m) DC40D series 8 7.5 7 DC40D-2480 6.5 5.5 DC40D-1250 5 4.5 4 3.5 3 2.5 2 1.5 1 0.5 0 0 1 2 3 4 5 6 7 8 9 10 Flow (L/MIN)

Dimension

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:

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)

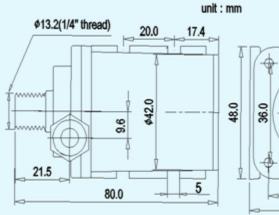
Mode	1	Voltage	Rated Current	Max	flow	Max	nead	Power
Widdei		V	Α	L/H	G/H	М	ft	w
DC40E-1	250	12	1.1	500	132	5.0	16	13.2
DC40E-2	2470	24	1.1	620	164	7.0	23	26.4
The current above is open outlet current, when contact Remarks circulation system the current will cut down to 55%~68 of Rated current.								
Differe	Difference between 2-phase and 3-phase sensor less BLDC pump				c pump			
2-Phase	\blacklozenge D	riven by s	ensor which shou	ld be pi	ut insid	e the p	ump bo	ody
 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 								

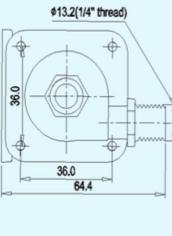
Dimension

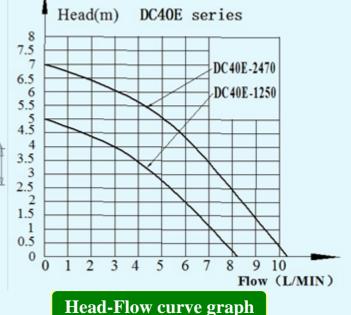
6	
	-

	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)
J	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)
י	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
1	13	Max flow rate	10.5L/MIN(2.7G/MIN)
-	14	Max Static Head	7m(26ft)
	15	Noise	<35dB
r	16	Water proof class	IP68(can be submersible installed)
	17	Life span	More than 30000hrs
	18	Power supply	Solar panel; DC electric source; battery

Specs







DC50 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 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

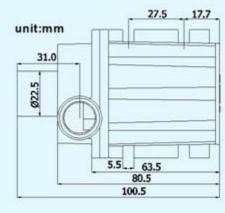
Items

NO

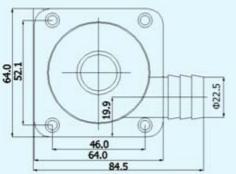
Parameter (only for reference, it can be customized)

	Voltage	Rated Current	Max flow	Max head	Power
Model	V	Α	L/H	М	w
DC50-1220T					
DC50-1220S	12	1.5	1300	2.0	18
DC50-1220A					
DC50-1230S	12	2.6	1700	3.0	31.2
DC50-1230A	12	2.0	1700	5.0	51.2
DC50-1240S	12	3.8	2150	4.0	45.6
DC50-1240A	12	0.0	2100	4.0	+0.0
DC50-2430T					
DC50-2430S	24	1.3	1700	3.0	31.2
DC50-2430A					
DC50-2440T		1.9	2150	4.0	45.6
DC50-2440S	24				
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	to circula	rent above is ope ation system the % of Rated curre	current will		
Difference be	etween 2-	phase and 3-ph	ase sensor	less BLDC	pump
2-Phase 🔶 Driv	en by sens	sor which should l	be put inside	the pump bo	dy
		pply with 2-phase gram, whole control			

- 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

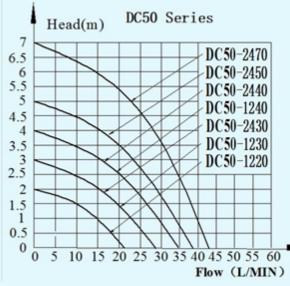


3-Phase



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



Head-Flow curve graph

DC50A 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]. \triangleright
- > 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:

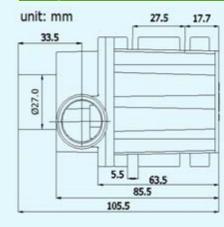
DC50A-XXXXX

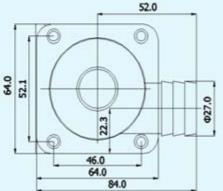
- Type: T(2 phase), S(3 phase), A(3 phase speed adjustable) Head: 30 means the pump head is 3m
- Voltage: 12 means the voltage is 12V DC
- Differentiate inlet & outlet from DC 50
- Size: 50 means the diameter of pump around 50 mm Means the pump is brushless dc pump

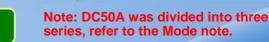
Parameter (only for reference, it can be customized)

	<u> </u>		<u> </u>		
Model		Rated Current		Max head	Power
	V	Α	L/H	M	w
DC50A-1223S	12	2.6	2000	2.3	31.2
DC50A-1223A	12	2.0	2000	2.0	01.2
DC50A-1230S	12	3.0	2200	3.0	36.0
DC50A-1230A	12	0.0		0.0	00.0
DC50A-1235S	12	3.8	2500	3.5	45.6
DC50A-1235A	12	0.0	2000	0.0	-0.0
DC50A-2423T					
DC50A-2423S	24	1.3	2000	2.35	31.2
DC50A-2423A					
DC50A-2435T		1.9	2500	3.5	45.6
DC50A-2435S	24				
DC50A-2435A					
DC50A-2440S	24	3.0	2900	4.0	72
DC50A-2440A	- '	0.0	2000	1.0	
DC50A-2450S	24	3.6	3600	5.0	86.4
DC50A-2450A					
		ent above is ope			
Remarks	to circula	ation system the	current will	cut down to)
	55%~65	% of Rated curre	ent.		
Difference between 2-phase and 3-phase sensor less BLDC pump					
2-Phase Triven by sensor which should be put inside the pump body					

- \diamond 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



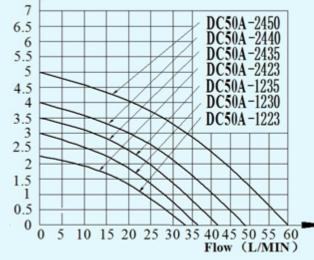




Specs

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 ℃(2 phase) or 100 ℃(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

Head(m) DC50A Series



Head-Flow curve graph

DC50B Series

The advantages of our pumps

- > Brushless, permanent magnetic rotor, maintenance-free, long life.
- \succ 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:

Remarks

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

Parameter (only for reference, it can be customized)

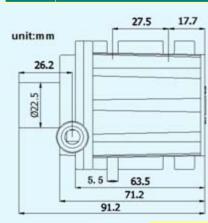
<u></u>	× •		/		
Model	Voltage	Rated Current	Max flow	Max head	Power
woder	V	Α	L/H	М	w
DC50B-1240T					
DC50B-1240S	12	1.6	1050	4.0	19.2
DC50B-1240A					
DC50B-1250T					
DC50B-1250S	12	2.0	1200	5.0	24.0
DC50B-1250A					
DC50B-1280S	12	3.8	1330	8.0	45.6
DC50B-1280A	12	5.0	1000	0.0	+0.0
DC50B-2450T					
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-24100S	24	3.4	1440	10.0	81.6
DC50B-24100A	24	5.4	1440	10.0	01.0
DC50B-24130S	24	3.6	1600	13.0	86.4
DC50B-24130A	24	5.0	1000	15.0	00.4
The current above is open outlet current, when contact					

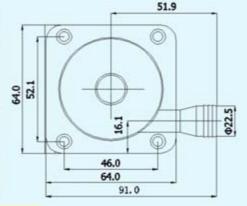
I he current above is open outlet current, when conta to circulation system the current will cut down to 55%~65% of Rated current.

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

2-Phase 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



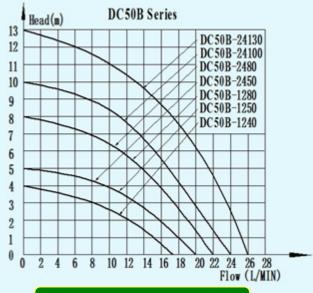


Dimension

T S A

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

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 ℃(2 phase) or 100 ℃(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			



- 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.

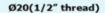
Mode Note:

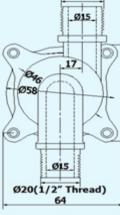
DC50C-XXXXX

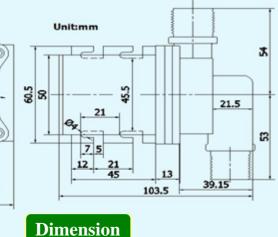
- Type: T(2 phase), S(3 phase), A(3 phase speed adjustable) Head: 30 means the pump head is 3m Voltage: 12 means the voltage is 12V DC
- Differentiate inlet & outlet from DC 50
- Size: 50 means the diameter of pump around 50 mm
- Means the pump is brushless dc pump

Parameter (only for reference, it can be customized)

Model	Voltage	Rated Current	Max flow	Max head	Power	
Model	V	Α	L/H	М	w	
DC50C-1220T						
DC50C-1220S	12	1.57	1300	2.0	18.8	
DC50C-1220A						
DC50C-1230S	12	3.0	1700	3.0	36.0	
DC50C-1230A	12	5.0	1700	5.0	30.0	
DC50C-1240S	12	3.8	2150	4.0	45.6	
DC50C-1240A	12	0.0	2100	1.0	10.0	
DC50C-2430T						
DC50C-2430S	24	1.5	1700	3.0	36.0	
DC50C-2430A						
DC50C-2440T	24	10	0450	4.0		
DC50C-2440S	24	1.9	2150	4.0	45.6	
DC50C-2440A DC50C-2450S						
DC50C-2450S DC50C-2450A	24	2.9	2300	5.0	69.6	
DC50C-2450A DC50C-2465S						
DC50C-24653 DC50C-2465A	24	3.6	2450	6.5	86.4	
D0500-2405A		cont above is one		ront whon	contact	
The current above						
Remarks to circulation system the current will cut down to 55%~65% of Rated current.						
	55%~65	% of Rated curr	ent.			
Difference between 2-phase and 3-phase sensor less BLDC pump						
2-Phase • Driven by sensor which should be put inside the pump body						
♦Sam	e power s	upply with 2-phas	e DC pump			
	Driven by program, whole control circuit can be put outside					
🛆 Sna	beed adjustable by PWM, analog signals(0-5v) or potentiometer					
	cked-rotor and reverse connection protection					
					taction	
		verload protection			lection	
	t start with	h low in-rush curr	ent, great for	Pv panel		









DC50C Series

Note: DC50C was divided into three **Specs** series, refer to the Mode note. NO Items Specs 100.5x84.5x64; 480g Sizes and weight Dimension of inlet 20mm(1/2 inch thread) 20mm(1/2 inch thread) Dimension of outlet Driving method Brushless, Magnetic, 2 phase or 3phase PA66+GF30% (optional) Pump material Condition of use Continuously Fluids Water, oil, gasoline, acid and alkali solution Max working temp 60 °C (2 phase) or 100 °C (3 phase) 2.5W~45.6W (2 phase) Power consumption 2.5W~86.4W (3 phase) Rated voltage 12Vdc or 24Vdc 5Vdc ~ 12Vdc or 5Vdc ~ 24Vdc Voltage used Max rated current 2.1A (2 phase) or 3.8A (3 phase) 36L/MIN(9.5G/MIN) — **2** phase 41L/MIN(11G/MIN) — **3** phase Max flow rate 4m(13ft) — 2 phase Max Static Head 6.5m(21ft) — 3 phase Noise <40dB Water proof class IP68(can be submersible installed) Life span More than 30000hrs

DC50C Series Head(m) 7 DC50C-2470 6.5 DC50C-2450 6 5.5 DC50C-2440 5 DC50C-1240 4.5 DC50C-2430 4 DC50C-1230 3.5 3 DC50C-1220 2.5 2 1.5 1 0.5 0 5 10 15 20 25 30 35 40 45 50 55 60 0 Flow (L/MIN)

Solar panel; DC electric source; battery

Power supply

DC50D 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 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

Parameter (only for reference, it can be customized)

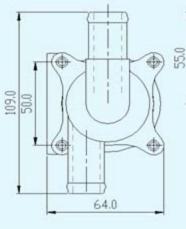
Model	Voltage	Rated Current	Max flow	Max head	Power
Model	V	Α	L/H	М	w
DC50D-1220T					
DC50D-1220S	12	1.57	1300	2.0	18.8
DC50D-1220A					
DC50D-1230S	12	3.0	1700	3.0	36.0
DC50D-1230A	12				
DC50D-1240S	12	3.8	2150	4.0	45.6
DC50D-1240A	12	3.0	2150	4.0	40.0
DC50D-2430T	24	1.5	1700	3.0	36.0
DC50D-2430S					
DC50D-2430A					
DC50D-2440T		1.9	2150	4.0	45.6
DC50D-2440S	24				
DC50D-2440A					
DC50D-2450S	24	2.9	2300	5.0	69.6
DC50D-2450A		2.3	2500	3.0	03.0
DC50D-2465S	24	3.6	2450	6.5	86.4
DC50D-2465A		5.0	2-10	0.5	00.4

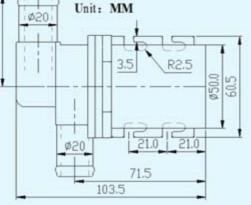
The current above is open outlet current, when contact Remarks to circulation system the current will cut down to 55%~65% of Rated current.

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

- **2-Phase** \blacklozenge 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





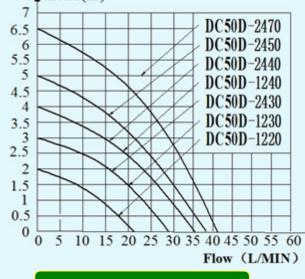
Dimension



	~	
Sp		C50D was divided into three series, the Mode note.
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 ℃(2 phase) or 100 ℃(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(m)

DC50D Series



DC50E 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 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

Parameter (only for reference, it can be customized)

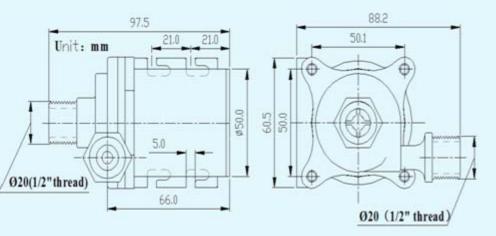
1 al allover (only for reference, it can be castolilled)					
Model	Voltage	Rated Current	Max flow	Max head	Power
Model	V	А	L/H	М	w
DC50E-1250T					
DC50E-1250S	12	1.9	820	5.0	22.8
DC50E-1250A					
DC50E-1280S	_ 12	3.6	1000	8.0	43.2
DC50E-1280A		3.0	1000	0.0	43.2
DC50E-2480T					
DC50E-2480S	24	1.8	1000	8.0	43.2
DC50E-2480A					
DC50E-24150S	24	3.6	1200	15.0	86.4
DC50E-24150A	1 24	3.0	1200	15.0	00.4
The current above is open outlet current, when Remarks 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 \blacklozenge Drive	2-Phase • Driven by sensor which should be put inside the pump body				
◆Same power supply with 2-phase DC pump					

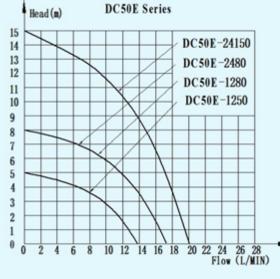
•Driven by program, whole control circuit can be put outside

- ◆ 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



		e: DC50E was divided into three series, r to the Mode note.
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

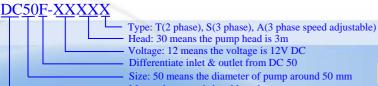




Dimension

- 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:



Differentiate inlet & outlet from DC 50 Size: 50 means the diameter of pump around 50 mm Means the pump is brushless dc pump

Parameter (only for reference, it can be customized)

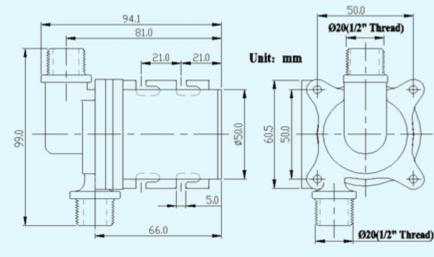
Model	Voltage	Rated Current	Max flow	Max head	Power
Model	V	Α	L/H	М	w
DC50F-1250T					
DC50F-1250S	12	1.9	820	5.0	22.8
DC50F-1250A					
DC50F-1280S	12	3.6	1000	8.0	43.2
DC50F-1280A	12	3.0	1000	0.0	43.2
DC50F-2480T	24	1.8	1000	8.0	43.2
DC50F-2480S					
DC50F-2480A					
DC50F-24150S	24	3.6	1200	15.0	86.4
DC50F-24150A					
	The current above is onen outlet current when contact				

The current above is open outlet current, when contact Remarks 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 \blacklozenge 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





DC50F Series

		e: DC50F was divided into three series, r to the Mode note.
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 ℃(2 phase) or 100 ℃(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

Head (m)

DC50F Series

