BLDC PUMP

| T Series | S Series | A Series |

DC50F series has three sub-series. T series is common two phase series with general performance. S and A series are high performance sub-series, which we called three phase series. S series is speed fixed and A series is speed adjustable. Be note, all sub-series use common DC power supply.

Main Features

- Brushless DC motor, also known as EC motor; Magnetic Driven;

- Small size but strong; Low consumption & High Efficiency;

- Long time continuous working, lifespan about 30000 hours;

- Safety - no spark, Explosion - proof; Low noise about 40dB;

- Submersible, 100% waterproof;

- Wide range of working voltage; Maintenance - free;

- Can be used to pump water, oil, acid and alkali solution;

- Variety Power: DC electric source, Battery or Solar Panel;

- Soft Start with Low in-rush current, great for Soalr SYS; (only S and A series)

Specifications

Inlet (Outer diameter): 1/2 inch thread (about 20mm)

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Material: PA66 + 30% glass fiber (optional)

Weight: about 600 g

Max working temperature: 60℃ for T series, 100℃ for S & A series

Speed Control: Potentiometer, Analog signal or PWM (only A series)

Program Control or protection: Optional (only S & A series)

Speed adjust & Control Box
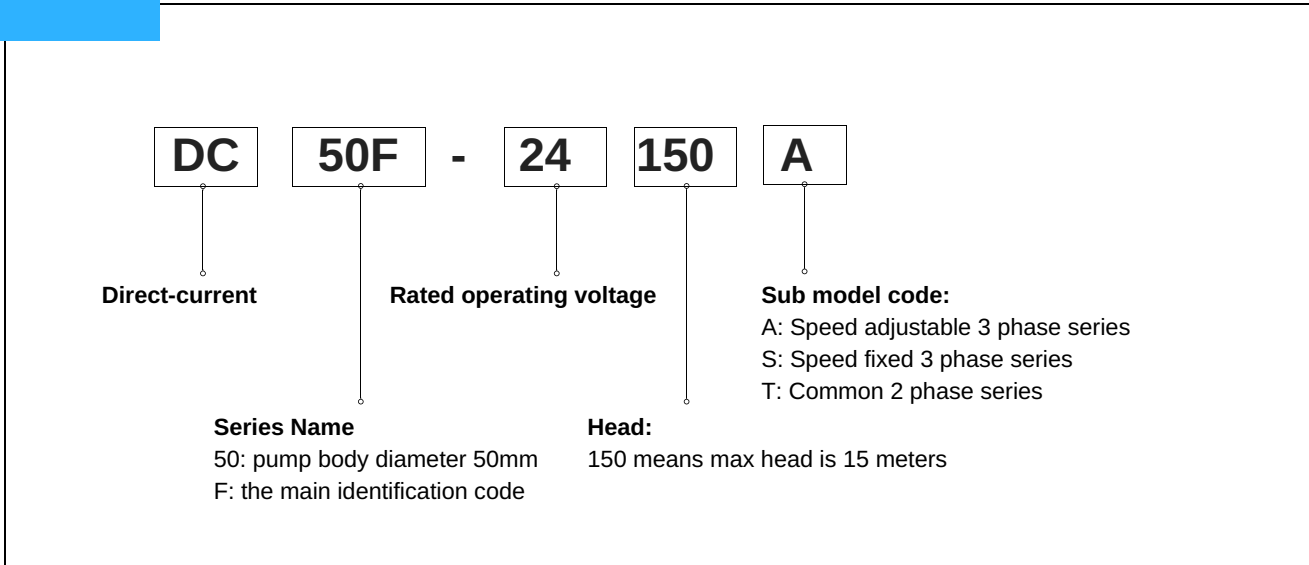

Speed adjust way (only A series):

1. default: by potentiometer or 0-5V analog signal;

2. by PWM (50-800 HZ Amplitude 5V)

Connection: connect the black wire to ground lead and yellow wire to the signal of your system.

Hang the red wire in the air.

Three-phase DC pump controller (only S & A series): All electronic components are put inside of the control box, and separated from pump body, so pump body can bear higher hot water (100℃ max)
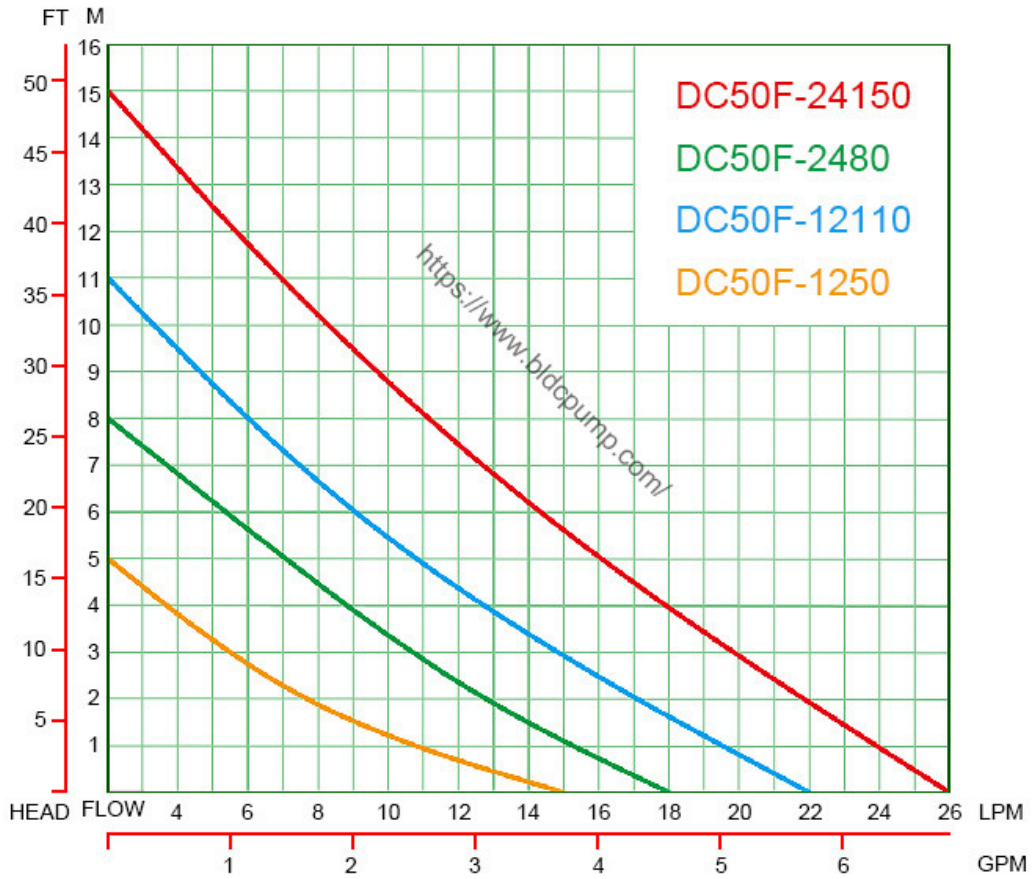
DC50F
Series

Model Code

| DC | 50F | - | 24 | 150 | A |

Direct-current

Rated operating voltage

Sub model code:
A: Speed adjustable 3 phase series
S: Speed fixed 3 phase series
T: Common 2 phase series

Series Name
50: pump body diameter 50mm
F: the main identification code

Head:
150 means max head is 15 meters

Model List

Model	Voltage (V)	Current (A)	Max flow (L/H)	Max head (M)
DC50F-1250T DC50F-1250S DC50F-1250A	12	2.0	900	5
DC50F-12110S DC50F-12110A	12	4.5	1320	11
DC50F-2480T DC50F-2480S DC50F-2480A	24	2.0	1080	8
DC50F-24150S DC50F-24150A	24	3.6	1560	15

Tips:
We offer customized service according to your specific needs at a reasonable price.

Performance Curve

Performance curves for DC50F-24150 (red), DC50F-2480 (green), DC50F-12110 (blue), DC50F-1250 (orange)

Dimensions