



- High pressure booster pump
- 24hours continuous work
- The Lowest noise **45dB**
- Most reliable 3 phase motor

TL-C01H

Electric Instant Water Heater Pump

TOPSFLO

Excellence in Micro pump, DC pump



Application

- Electric Instant Water Heater
- Cooling System
- Water circulation system
- Swimming Pool
- Higher pressure machines
- Irrigation



Features

- Advanced magnetic driving technology for static-seal, without any leakage forever
- Heavy duty work, can sustain continuous 24 hours work
- High efficiency ECM brushless DC motor with long lifetime 20,000 hours
- 3-phase motor for lower power consumption and lower fever
- Durable permanent magnetic rotor/impeller and fine ceramic shaft
- Specializing closed-type impeller for lower water loss bring higher efficiency
- High precision one-time injection magnetic rotor for stable lower vibration
- High temperature materials for liquid temperature $\geq 90^{\circ}\text{C}$
- Low or no maintenance
- Food grade materials
- Imported Japan XYRON PPE material, certificated by WARS & NSF.



Motor Protection

- automatic blocked protection
- overcurrent, overload protection

Materials of Construction (wetted parts)

Wetted Parts	Materials	Wetted Parts	Materials
pump head	PPE	bearing sleeve	graphite
pump chamber	PPE	rotor magnetic	Ferrite
O-ring	Silicon rubber	shaft	zirconia ceramics
impeller	PPE	gasket	zirconia ceramics

Matching with Electric Instant water heater

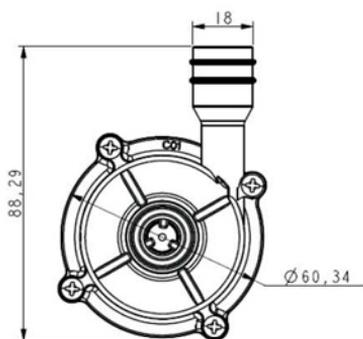


The TOPSFLO Water Pump TL-C01 is the qualified & specializing pump to be used in Electric Instant water heater / shower, Domestic water heating, Storage or Tankless or Solar water Heater, etc.

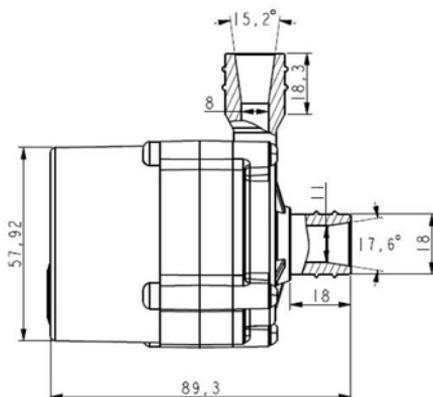
As the water heater has been used widely, in household include cooking, cleaning, bathing, and space heating; in industry, hot water and water heated to steam has many uses, and pumps have become a pivotal concern for the adoption of such system in mission critical machines. High pressure, larger flow rate, low noise, low or no maintenance, and extended reliability are prerequisites for the water heater to offer warm/hot water, strong flow and make people enjoy comfortable showering feeling. The TOPSFLO TL-C01 is driven by 3phase brushless DC motors, with closed impeller, unique design and top injection technology, can realize high water head and big flow rate at the same time, can realize the best performance for water heater system and be your the best choice.



Dimension



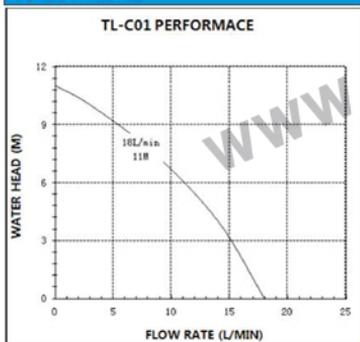
Pump head, Type A



Specifications

Model	Product Code	Max Flow Rate (L/Min)	Voltage (VDC)	Current (A)	Max Water Head (M)	Power (W)
TL-C01H (100°C)	TL-C01H-A12-1610	16	12	3	10	25
	TL-C01H-A24-1811	18	24	2.2	11	53
Pump itself meet: /H/F (high temperature 100°C/food grade)						
TL-C01H/5V (100°C)	TL-C01H/5V-A24-1811	18	24	2.2	11	53
	Special Instant Water Heater pump with additional 0-5V wire for PWM speed adjustment function. (at 0V not working, at 5V run on full speed)					
TL-C01H/S/PV (100°C)	TL-C01H/S/PV-A12-1610-W	16	12(7V~24V)	3	10	40
	TL-C01H/S/PV-A24-1811-W	16	24(14V~32V)	2.2	11	55
1, Special submersible pump with 1.5M cable wire, can be powered by solar panel directly rated 12/24V 2, If used as /S (submersible) ONLY for liquid $\leq 60^{\circ}\text{C}$, ambient temperature $\leq 40^{\circ}\text{C}$						

TL-C01H curve



Other Booster Pumps

Model	Product Code	Max Flow Rate (L/Min)	Voltage (VDC)	Current (A)	Max Water Head (M)	Power (W)
TL-B04 (70°C)	TL-B04-12-1006	10	12	1.4	6	14.5
	TL-B04-24-1208	12	24	1	8	24
TL-C14 (70°C)	TL-C14-12-1820	18	12	6	20	72
	TL-C14-24-1927	19	24	6	27	144