Low Noise, Water Heater Boosting Pump

Large flow rate, high pressure

More stable flow rate

High efficiency motor and rotor design,
30% higher efficiency than competitors with size

≤ 32dB(A), Ultra-quietness like breathing

With the same performance, noise is 5-10dB(A) lower

No leakage, More reliable

Static sealing design, imported Japanese PPE,
strict testing, no leakage forever



US | SOlar Pumps®
HOME FOR ALL YOUR MICRO-DC PUMP NEEDS!

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C1EC



Standard Version Pump C



Standard Version Pump D



Standard Version Pump E

Typical Applications

- Water heater recirculating system
- “Zero cold water” water heater
- Heating system, gas boiler
- Boosting applications
- HVAC system
- Electric instant water heater
- Cooling circulation system
- Carbonated beverage machine
- Chiller
- General purpose pumping

Selectable Pump A / Pump B / Bracket-X2



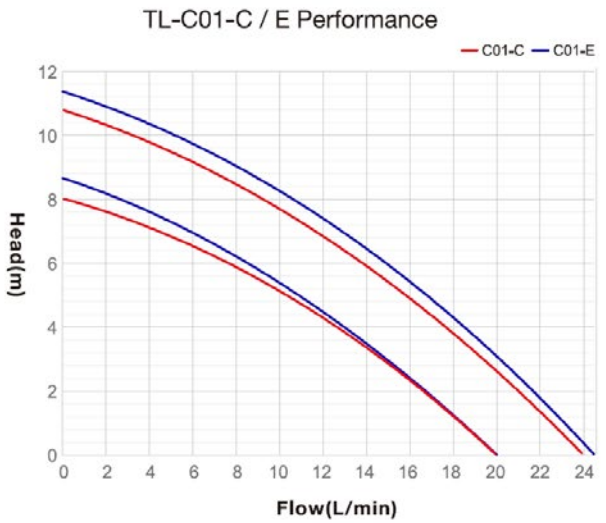
Specification

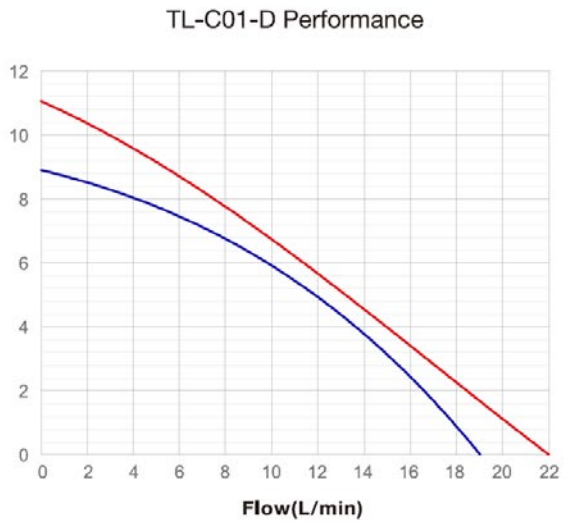
Model	Product Code	Rated Voltage (VDC)	Max Water Flow (L/min)	Max Water Head (M)	Max Current (A)	Max Power (W)	At Max Efficiency Point	
							Rated Spec. (L/min@M)	Rated Power (W)
TL-C01-C	TL-C01-C12-2008 TL-C01-C24-2411	12 24	20 24	8 11	2.8 2	33.6 48	11.17 @ 4.98 13.26 @ 6.54	29.64 46.56
TL-C01-D	TL-C01-D12-1908 TL-C01-D24-2211	12 24	19 22	8 11	3 2	36 48	11.03 @ 5.01 11.24@ 6.68	34.8 45.84
TL-C01-E	TL-C01-D12-2008 TL-C01-D24-2411	12 24	19 24	8 11	3 2	36 48	10.98 @ 5.22 13.63 @ 6.98	36.24 49.2
Customization: 1. /PWM or /5V speed control 2. FG(RPM) signal wire 3. /S submersible liquid ≤50°C								

- The data in the table is the measured performance when pure water is delivered at normal temperature.
- The maximum flow rate is the flow rate when water head is 0 meter, and the highest lift is the lift when water flow is 0 L/min.
- Rated power means the power at the optimum efficiency point.
- Working mode continuous running with 75°C, intermittent running with 100°C.
- Noise ≤45dB(A), the noise is measured from 1m in front of the pump.
- IP level: IP67
- Coil insulation class: Class F
- Ambient temperature: -40°C ~ 50°C
- Liquid temperature: -40°C (no-frozen) ~ 100°C
- Do Not Run Pumps Dry. Pumps must be in a continuous flooded suction environment.

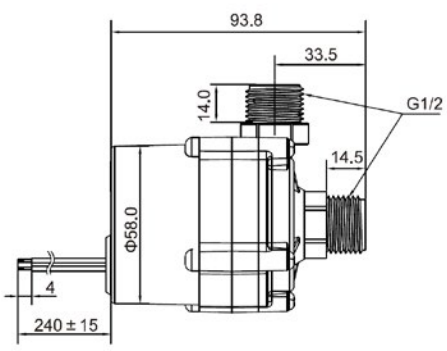
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Curve

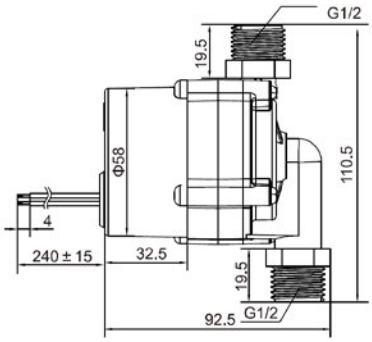




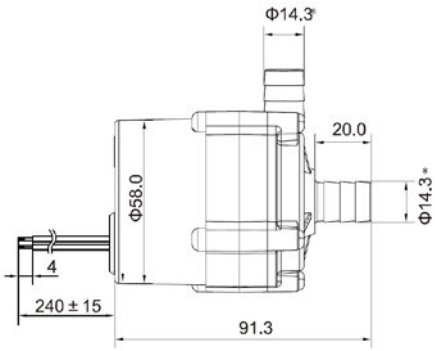
Dimension (mm)



Standard Version Pump C



Standard Version Pump D



Standard Version Pump E

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