HOUSEHOLD PERMANENT MAGNET ADAPTIVE VARIABLE FREQUENCY BOOSTER PUMP

For hot & cold water
Constant pressure water supply

Rust-free Water

Hi-Speed PM Motor

Safe & Durable



Safety voltage
DC30-48V

Max.head
52m

Max. suction
9.5m

Low noise
30dB

High rotation speed
12000r/min

Max.Flow
4.8m^3 /h

70%
ENERGY SAVING
LOW NOISE CLEAN WATER

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+ APPLICATION

- Well water lifting and water tower water filling
- Living water supply and garden irrigation
- Pipeline pressure boosting and supporting equipment (solar energy water supply system, water heater, etc.)
- Transfer clean water or non-corrosive liquid without solid particles and fibers



+ WORKING CONDITION

- Liquid temperature: 0 - 100℃
- Ambient temperature: 4 -55℃
- Max. suction: +9.5m
- Insulation: ClassH
- Ingress protection: IP55
- Duty cycle: S1
- Input voltage: Single phase
  100-140V, 50/60Hz
  160-240V, 50/60Hz

+ PRODUCT FEATURE

1, Wide input voltage range
100-140V, 50/60Hz
160-240V, 50/60Hz

2, DC 30-48V output voltage
Human safe voltage, no risk of use

3, Constant pressure water supply
Adopt variable frequency technology, 12,000r/min super high rotation speed, more precision pressure control

4, Adaptive function
Automatically identify the pipe pressure
Automatically regulate the starting pressure

5, Super long life span
S1 motor duty cycle, 30,000 hours of service life

6. Anti-freezing&pressure resistance
Small impeller, small pump body, higher hardness

7, Super quiet 20-30dB
Adopt permanent magnet motor and water cooling structure, don't need cooling fan

8, Worth to invest and making brand
Four invention patents, exclusive technology

9, Energy saving 70%
400W permanent magnet motor replaces 1100W traditional motor, bringing same performance

10, Max. suction is 9.5m, wider application range

11, Zero rust water
The fluid passage components are made of food grade plastic

12, Dual control system (pressure + flow switch)
Support stepless pressure regulation for pump with 0-100m head

13, Multiple protection
Water shortage protection, frequent start&stop protection, overcurrent&undervoltage protection, etc.

14, Timing fucntion, supply water for water tower

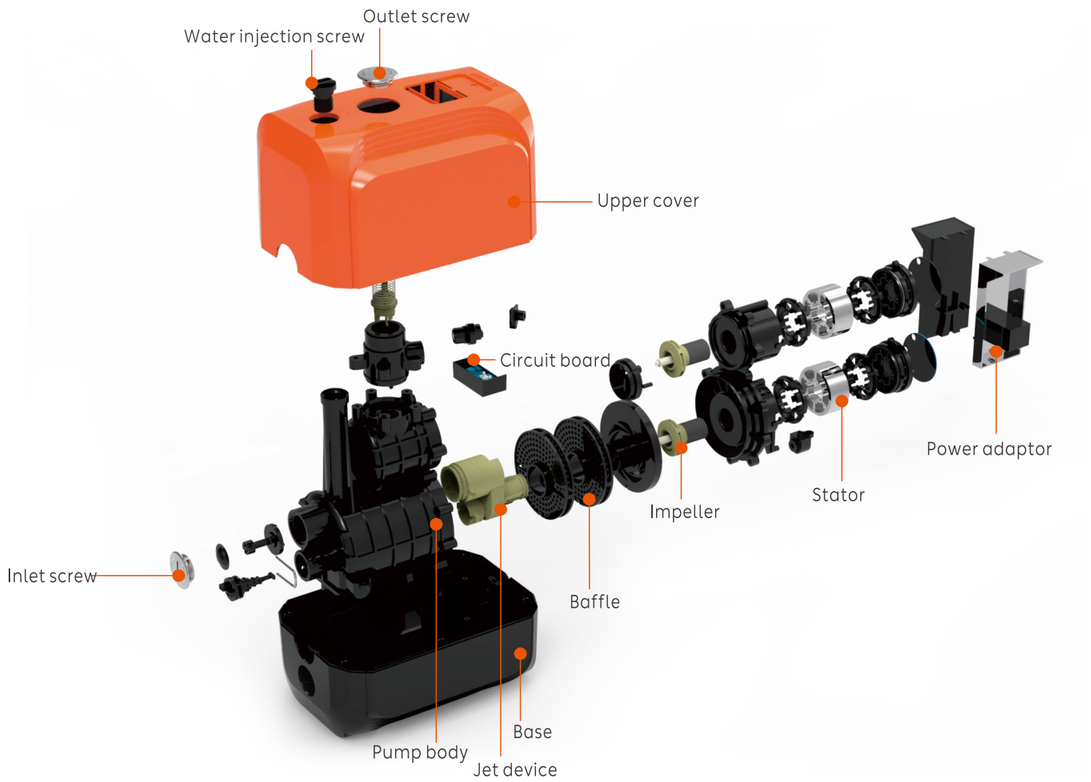
15, Plug and play

16, High pass rate of standard parts and high production efficiency
Customized mold for each part, no finishing, one corss screwdriver completes assembly and dissembly

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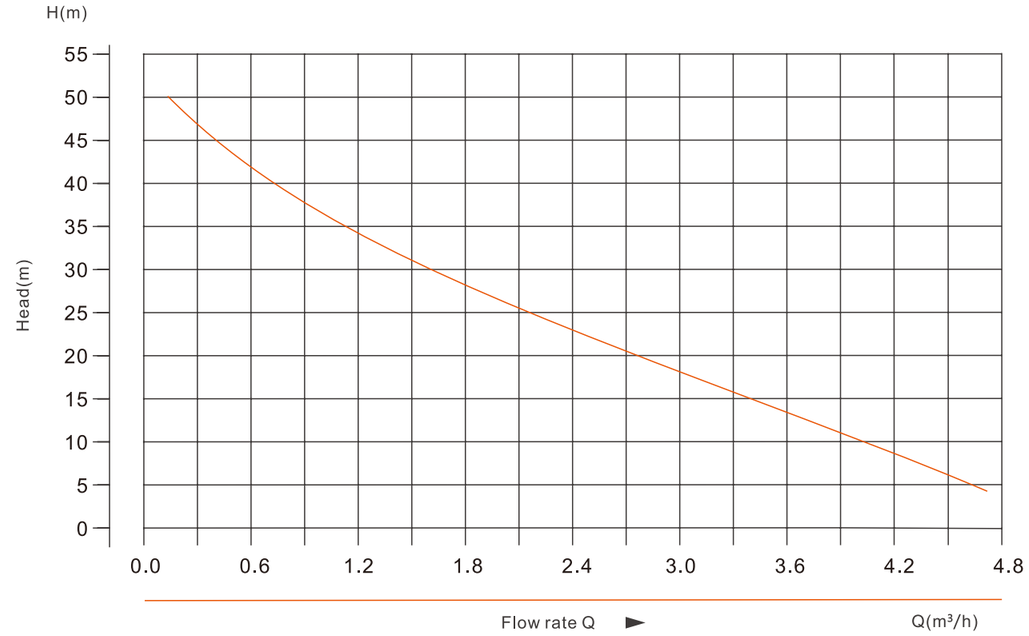
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PRODUCT STRUCTURE



Component	Material
Pump body	Engineering plastic
Base&upper cover	ABS plastic
Shield cover	PPS
Impeller	PPO
Permanent magnet	Ferrite
Motor shaft	99 Ceramics

PERFORMANCE CURVES



TECHNICAL PARAMETER (n=12000r/min)

Model	Voltage (V)	Power (W)	Power (HP)	Max.flow (m³/h)	Max.flow (L/min)	Max.head (m)	Max.suction (m)	Inlet&Outlet (inch)
BPG1100	DC48+48	432	0.6	4.8	80	52	9.5	1"×1"