Parameters of Pump:

Model：	AJP-400P	AJP-600P
Power:	400W	600W
Max.Head:	34m	40m
Max.Flow:	4.8m³/h	5.2m³/h
Max.Suction:	5m	5m
Outlet/Inlet:	1’’	1’’
Protection:	IP X4	IP X4
Max.Speed:	5300r/min	6100r/min
Rated.Q：	33L/min	33L/min



Product Description

The AJP-400P permanent magnet intelligent booster pump is designed with high-efficiency permanent magnet motor, utilizing 100% copper wire and rare earth magnet steel.

The pump’s interior is composed of a permanent magnet IE4 motor, a food-grade engineering plastic pump body (pump head: PPO+GF30), and multiple stage centrifugal plastic impellers, along with a high precision pressure sensor and pressure tank.

The exterior of the pump features a shield cover and pump base made of PC+ABS material, with a control panel that includes a pressure up button, pressure down button, power button, pressure display, and function and fault indicator.

Advantage:

Variable Speed & Constant Pressure

Our pump's permanent magnet motor automatically adjusts the speed (AJP-400P: max speed is 5300 RPM, AJP-600P: 6100 RPM) to match water demand, providing constant pressure to all taps. Within the pump's performance range, no matter how many taps you open, the pump will check and adjust the water pressure automatically all the time, avoiding water that flickers hot and cold, large or small. Our pump can provide perfect and constant water pressure in all taps at all times, even with multiple taps and shower at the same time.

High Efficiency & Energy Saving

Because it can automatically adjust the speed of the motor, it also helps reduce power consumption. Our pump can save more than 30% energy compared to the same power of ordinary pumps.

Low Noise

The multiple centrifugal impellers ensure smooth operation without abnormal noise, making the pump more quiet and super silent, with a sound level below 45dB in typical use, bringing you a comfortable life environment. It is also thanks to the professional low-noise fan blade design.

Multiple Protection

With a high-precision pressure sensor and good performance pressure tank, several protective functions are incorporated to ensure longer service life. These include over/under voltage protection, dry-running protection, no-water protection, leakage detection protection, blocking protection, over-heating protection, antifreeze function, and so on.

Simple Operation and Convenient Maintenance

Our pump is user-friendly with a quick-release plastic outer shell, with the working pressure and fault code displayed on the button control panel. The operation of setting is very simple, and there is no need for more professional people to debug it. After powering on and setting the required pressure, water will come out when you open the tap, making your operation easier.

Easy Installation

With small size and compact structure, our pump is convenient to transport and easy to install. Just connect the pipe with the pump, plug in the power, and touch the power button.

Wide Voltage

Our pump can be used normally with a wide voltage range of 160-260V.

Self-Priming Function

Our self-suction pump is used for well water extraction and pressurization. The first time you use the pump, you need to add water, but you won't need to add water next time.

Water Shortage Restart

If you have a tower model, you can set the time of restart. After 24 hours, the pump will start working, and it will automatically turn on/off according to your setting water pressure.

Good Moisture Resistance

Our pump has a shield cover and closed structure, making it moisture-proof and water-resistant. It has a better IPX4 level of water resistance than ordinary booster pumps, resulting in a lower failure rate.