

# Intelligent centrifugal booster pump

## Function

Linear pressure sensor is used to control the starting pressure of pump instead of traditional mechanical switch. At the same time, it has advanced flow control system.

The functions of the pump include:

1. Automatic identification of pipe pressure;
2. Automatic regulation of starting pressure;
3. The chip has memory function;
4. Plug-and-play;
5. The operation of water pump is controlled by pressure sensor and flow switch.;
6. Water shortage protection;
7. Lock-rotor protection;
8. Temperature protection;
9. Electrophoresis rust prevention



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## Application

Intelligent centrifugal booster pump is an intelligent patented product specially designed for household water cycle and pressurization. Because of its low noise and high flow rate, it is especially suitable for household multi-tap pressurization, downward pressurization of water tower and water heater, solar energy, air energy, geothermal water cycle and other pressurization matching use. This product adopts pressure and flow dual control intelligent system, and has the function of water shortage protection. Sealing technology is used in electronic components to ensure longer service life in humid environment.

## Operating conditions

The temperature of pumping liquid does not exceed 100 °C and the ambient temperature does not exceed 40 °C.



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**PUMPS**

## Motor

Electric pump speed:  $n=3400\text{rpm}$

Insulation: Class F

Protection: IP44

Continuous service: S1

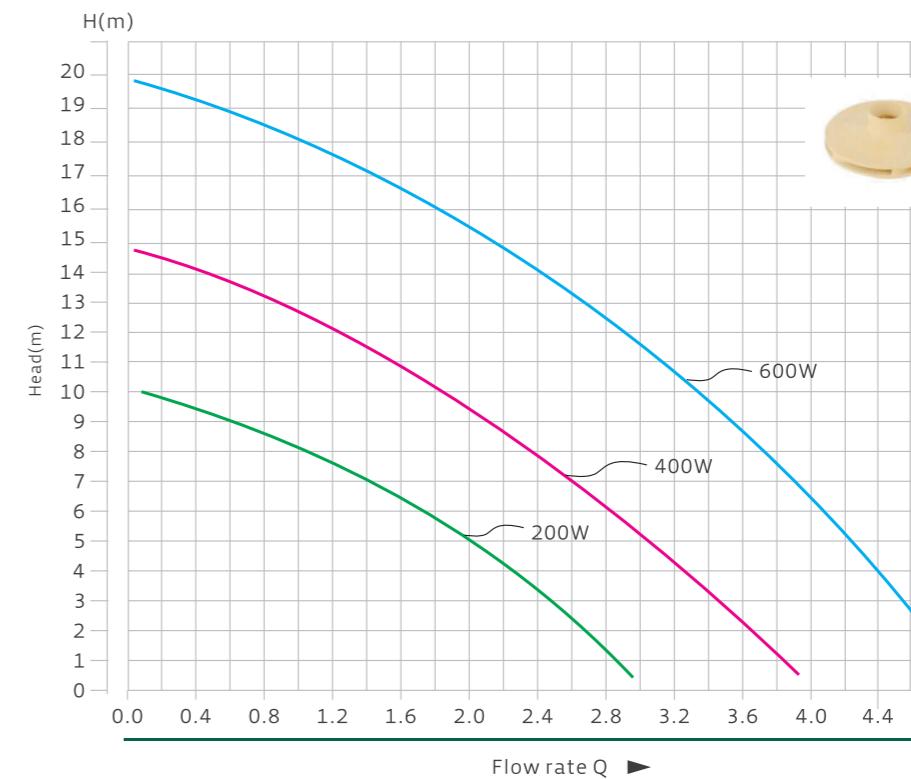
Thermal protector:

Single-phase: 220V, 50/60Hz,  
and can be customized 110/127/220V, 50/60Hz

## Technical parameter

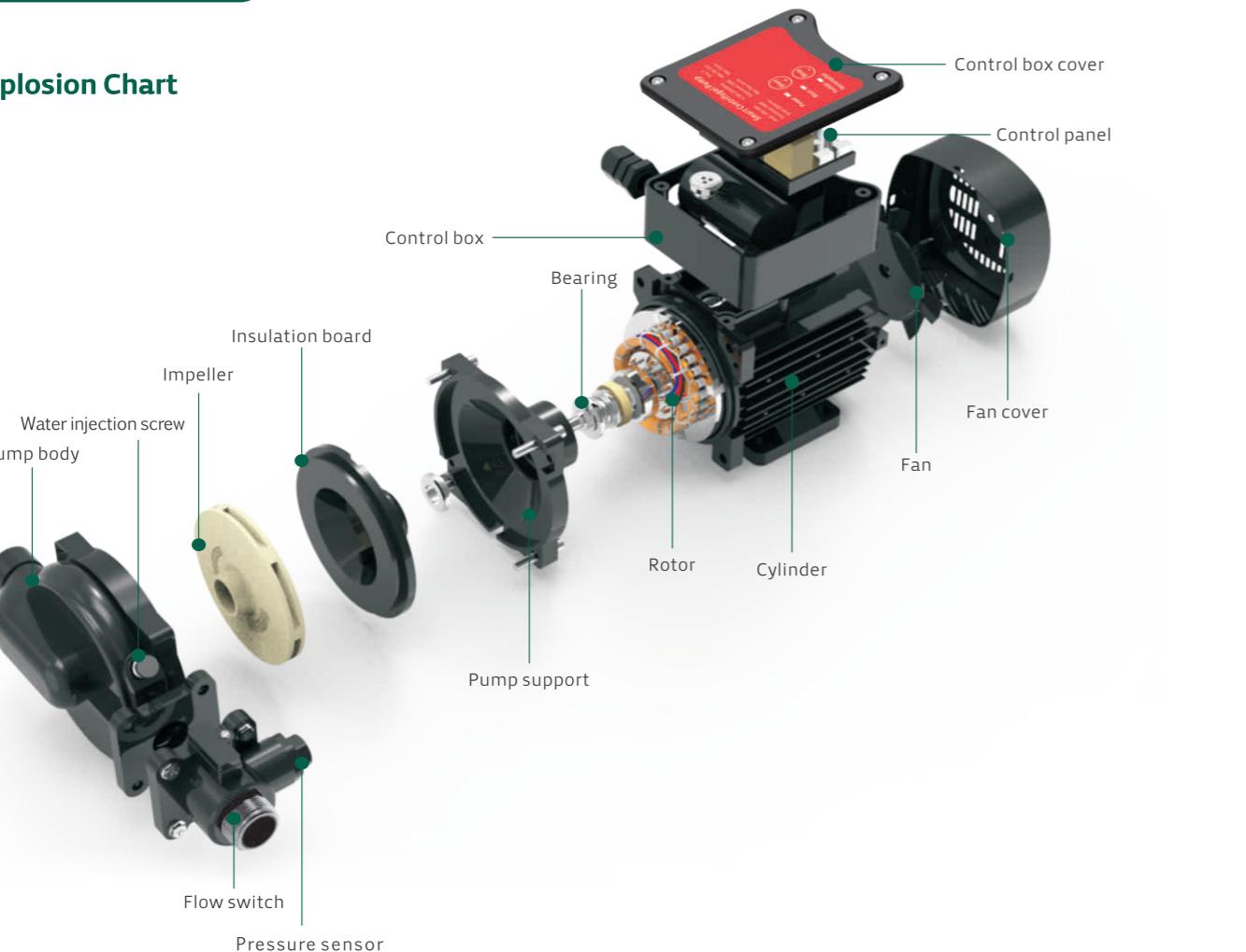
Component	Construction
Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	PPO
Mechanical seal:	Silicon carbide
Bearing:	6201 (200W-400W-600W)

## PERFORMANCE CHART AT $n=3400\text{RPM}$



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#### Product Explosion Chart



#### Technical parameter

Model	Power	Power	Qmax	Max.Head	PIPE	Outer box size
	(kW)	(Hp)	( $\text{m}^3/\text{h}$ )	(m)	(mm)	(mm)
20CPM-200(S)	0.2	0.3	3	10	20	L230xW180xH26
25CPM-400(S)	0.4	0.5	4	15	25	L270xW190xH26
25CPM-600(S)	0.6	0.8	5	20	25	L280xW293xH26

Note In model 20CPM-200(S), "20" means diameter, "CPM" means centrifugal booster pump, "200" means power, "S" means Self-adaptive function.