

# Intelligent Water Pump

[www.streampumps.com](http://www.streampumps.com)

**Stream<sup>®</sup>**  
*Sign of Quality*

Domestic Surface Pumps

# Intelligent Water Pump

[www.streampumps.com](http://www.streampumps.com)



2020  
TIANJIN ELECMOTOR CO.,LTD.



Large Flow  
High lift



All-copper  
motor coil



Low noise



High efficiency  
and energy saving



Super durability



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*Stream*®

Stream Six

*“S”*  
Satisfactory

*“T”*  
Trustful

*“R”*  
Responsible

*“e”*  
Effective

*“a”*  
Advanced

*“m”*  
Motivated

## Our Guide

We are honest  
We are hardworking and have fun  
We are cooperative—together  
We pay more attention to details  
We want simple solutions  
We do not take everything for granted  
We always keep our promises  
We never stop learning  
We want to be the best

*Stream*

pumps trust to the world

# Stream<sup>®</sup>

## Sign of Quality



Over the years, **Stream** has specialized in designing, manufacturing, sourcing of different kinds of General Mechanical / Electrical Products. Since 1997, **Stream** has established strategic, technological and commercial relationship with global companies from Europe, Asia and U.S.

As **Stream** we honestly believe that taking our own responsibilities for expanding the water / electricity with human life relation, to meet various demands for applications in the domestic, civil, agricultural and industrial sectors.

The quality of components, the intensive study on constructional materials and criteria, and the continuous laboratory tests, plus the indispensable cooperation of the customers and users, confer to **Stream**, The Sign of Quality.

In line with **Stream** policy of continuous improvement, **Stream** continues to perfect its technology with innovative design solutions and advanced manufacturing methods, resulting in a range of reliable products of Water Pumps, Electrical Motors, Portable Generators, Diesel Generating Sets, and relative Spare parts.

As **Stream** our goal is to provide the products with full-scale services to our global customers, which could be measured by:

- The right quality of products
- Wider range of available products
- Optimizing the total logistics costs
- Deliveries just in time
- Exchange of information concerning the products and technologies

**Stream** understand the best is to align and continuously cooperate with its customers, users with our products, services and efforts.

We believe we will make an imagination together.



# CLASSIC STYLE

## Intelligent self-priming pump

POLELESS REGULATED WATER MOVES WITH CORE



### JWZBN

- **Automatic identification of pipe pressure**
- **Automatic regulation of starting pressure**
- **The chip has memory function**
- **Patented product**
- **No need to set up**
- **plug and play**
- **Intelligent stack voltage**



Large Flow  
High lift



All-copper  
motor coil



Low noise



High efficiency  
and energy saving



Super durability

### Application

Suitable for well water pumping, family, hotel, canteen, garden irrigation and other clean water pressurization, but also solar energy, water heater, central air conditioning and other equipment supporting pressurization preferred.

### Operating conditions

The temperature of pumping liquid does not exceed 100 °C and the ambient temperature dose not exceed 40 °C, and the maximum suction distance is 9 M.

### Technical parameter

Component	Construction
Pump body	Cast iron, 304 stainless steel inserts
Pump support	Cast iron, 304 stainless steel inserts
Motor housing	Aluminum
Impeller	Copper
Mechanical seal	Silicon carbide
Bearing	6201 (280W-480W) 6202 (680W-880W)



### Product Explosion Chart



**Smart Control Panel**

Waterproof Humanized design to adjust pressure according to demand



**Double outlet design**

Double outlet, one machine, one pump equals two pumps



**Pumping body + Pressure tank**



**Circuit board gumming process waterproof and moisture proof**

### 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.

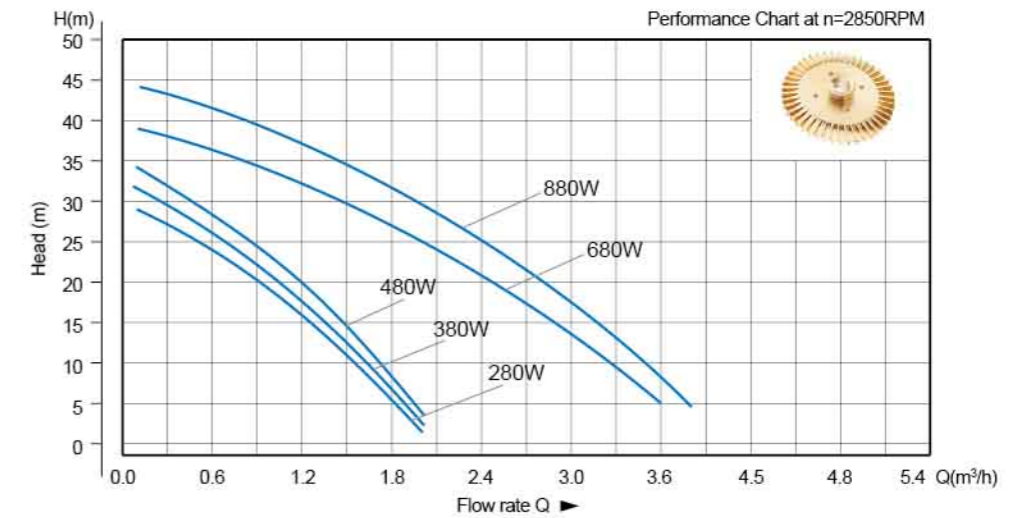
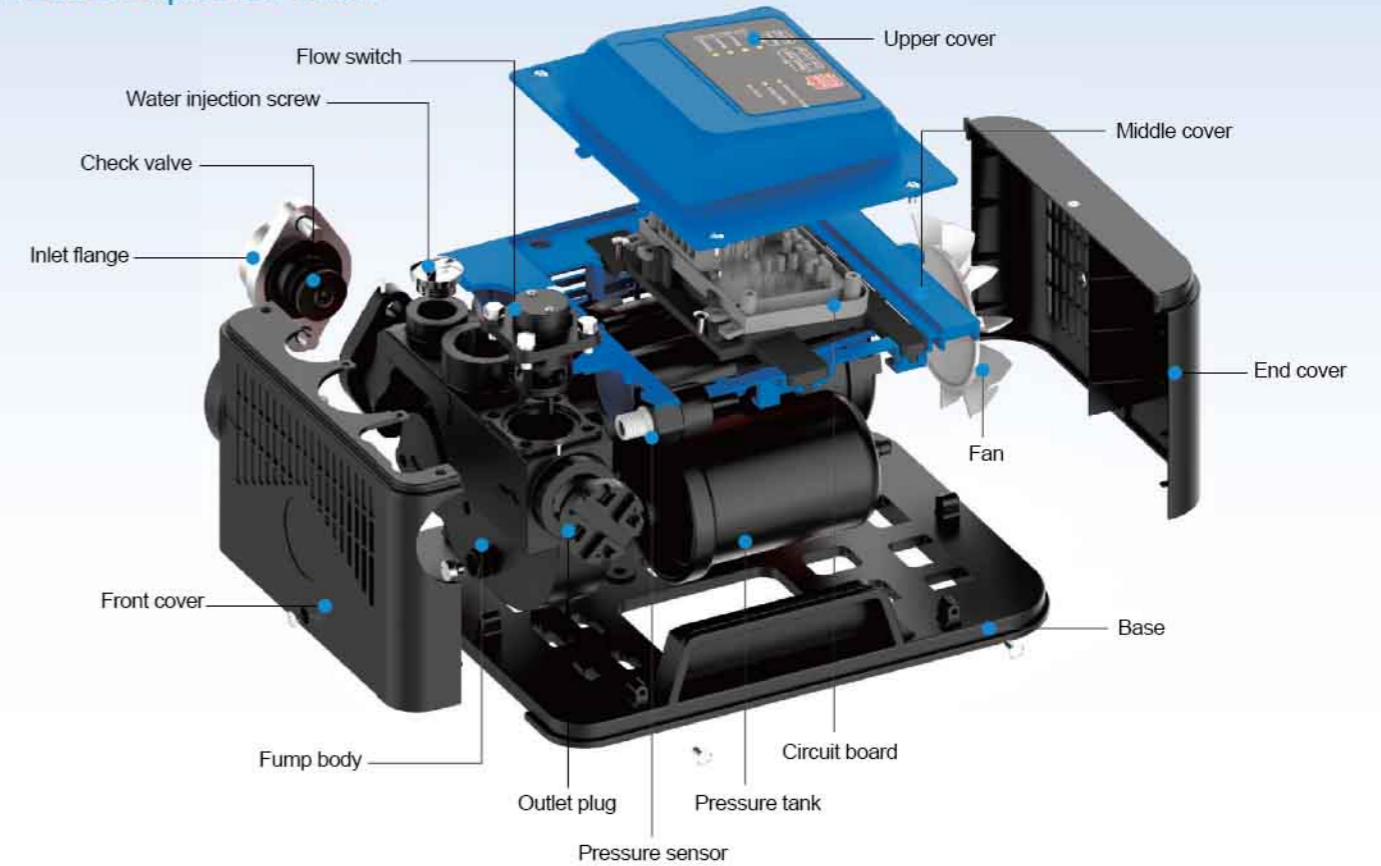
The functions of the pump include:

- Automatic identification of pipe pressure
- Automatic regulation of starting pressure
- The chip has memory function
- Plug-in and play
- Intelligent learning
- Intelligent overlapping
- The operation of water pump is controlled by pressure sensor and flow switch
- Water shortage protection
- Automatic opening of water supply
- Timing function
- Temperature protection
- Electrophoresis rust prevention

### Motor

- Electric pump speed: (n=2850r.p.m)
- Insulation: **Class F**
- Protection: **IP44**
- Continuous service: **S1**
- Thermal protector
- Single-phase: **220V/50Hz, 60Hz if request**

### Product Explosion Chart



### Technical Parameter

Model	Power kW	HP	Max.Q (m³/h)	Max.Head (m)	Max.suct (m)	PIPE (mm)	Outer box size (mm)	Volume (m³)	G.W. (kg)
JWZB-280N	0.28	0.4	2	30	9	25	343x220x288	0.022	10.50
JWZB-380N	0.38	0.5	2	32	9	25	343x220x288	0.022	10.74
JWZB-480N	0.48	0.7	2	35	9	25	343x220x288	0.022	10.91
JWZB-680N	0.68	0.9	3.6	40	9	25	368x241x298	0.026	15.09
JWZB-880N	0.88	1.2	3.8	45	9	25	368x241x298	0.026	15.40

• N means start pressure adjustment

Intelligent self-priming pump  
Intelligent peripheral pump  
Intelligent JET pump  
Intelligent stainless steel JET pump  
Intelligent centrifugal booster pump  
Intelligent shielded booster pump

Intelligent self-priming pump  
Intelligent peripheral pump  
Intelligent JET pump  
Intelligent stainless steel JET pump  
Intelligent centrifugal booster pump  
Intelligent shielded booster pump

# WZB-M

## Intelligent self-priming pump

### Application

Suitable for well water pumping, family, canteen, garden irrigation and other clean water pressurization, but also solar energy, water heater, central air conditioning and other equipment supporting pressurization preferred.

### Operating conditions

The temperature of pumping liquid does not exceed 100 °C and the ambient temperature dose not exceed 40 °C, and the maximum suction distance is 8 M.

### Technical parameter

Component	Construction
Pump body	Cast iron, 304 stainless steel inserts
Pump support	Cast iron, 304 stainless steel inserts
Motor housing	Aluminum
Impeller	Copper
Mechanical seal	Silicon carbide
Bearing	6201 (128W-400W) 6202 (600W-880W)

### 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:

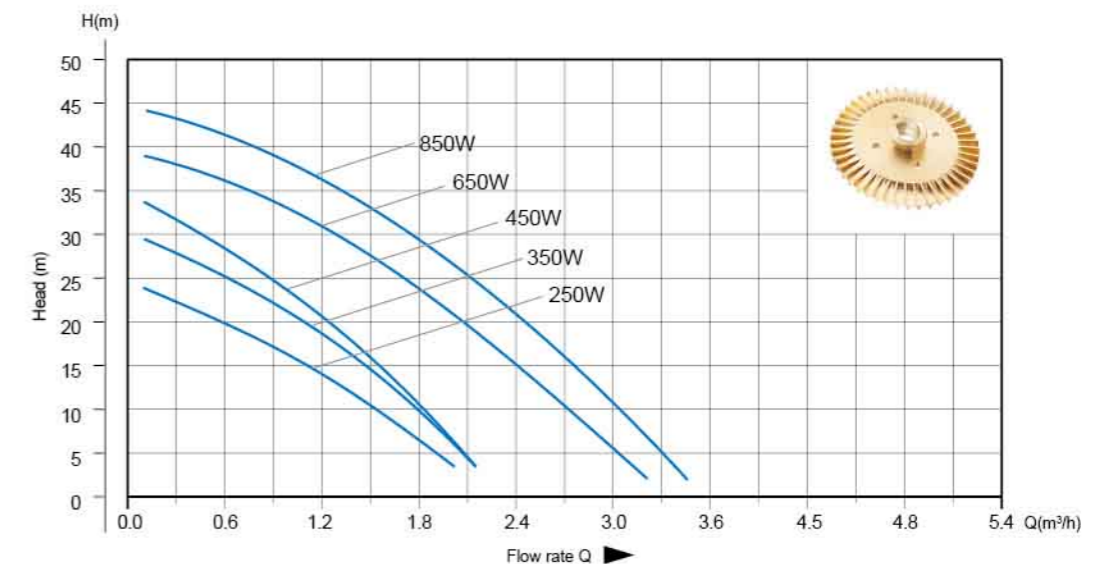
- Automatic identification of pipe pressure
- Automatic regulation of starting pressure
- The chip has memory function
- Plug-in and play
- Intelligent overlapping
- The operation of water pump is controlled by pressure sensor and flow switch
- Water shortage protection
- Automatic opening of water supply
- Temperature protection
- Electrophoresis rust prevention



### Motor

- Electric pump speed:  $(n=2850r.p.m)$
- Insulation: **Class F**
- Protection: **IP44**
- Continuous service: **S1**
- Thermal protector
- Single-phase: **220V/50Hz, 60Hz if request**

### Product Explosion Chart



### Technical Parameter

Model	Power kW	Power HP	Max.Q (m³/h)	Max.Head (m)	Max.suct (m)	PIPE (mm)	Outer box size (mm)	Volume (m³)	G.W. (kg)
WZB-250M	0.25	0.3	2	35	9	25	260x188x241	0.012	6.53
WZB-350M	0.35	0.4	2.2	30	9	25	275x205x272	0.015	8.04
WZB-450M	0.45	0.5	2.2	35	9	25	275x205x272	0.015	8.17
WZB-650M	0.65	0.8	3.3	40	9	25	305x215x285	0.019	11.2
WZB-850M	0.85	1.0	3.6	45	9	25	305x215x285	0.019	11.5

# AWZBN

## Intelligent self-priming pump

### Application

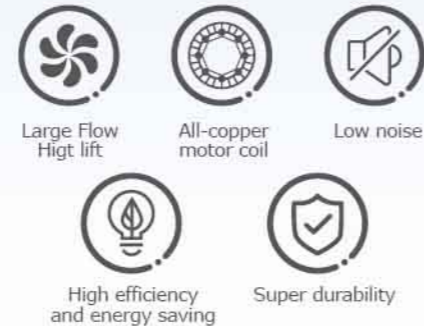
Suitable for well water pumping, family, hotel, canteen, garden irrigation and other clean water pressurization, but also solar energy, water heater, central air conditioning and other equipment supporting pressurization preferred.

### Operating conditions

The temperature of pumping liquid does not exceed 100 °C and the ambient temperature dose not exceed 40 °C, and the maximum suction distance is 9 M.

### Technical parameter

Component	Construction
Pump body	Cast iron, 304 stainless steel inserts
Pump support	Cast iron, 304 stainless steel inserts
Motor housing	Aluminum
Impeller	Copper
Mechanical seal	Silicon carbide
Bearing	6201 (128W-580W) 6202 (680W-880W)



### Product Explosion Chart



#### Smart Control Panel

Waterproof design to adjust the start pressure according to demand



#### High-precision pressure sensors

Application of linear pressure sensor, 0-100 meters stepless pressure regulation, Automatic control, steady pressure.



#### Waterproof motherboard

Application of advanced gumming technology to realize the dust-proof waterproofing of electronic components Ip67



#### Flow switch

### 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:

- Automatic identification of pipe pressure
- Automatic regulation of starting pressure
- The chip has memory function
- Plug-in and play
- Intelligent learning
- Intelligent overlapping
- The operation of water pump is controlled by pressure sensor and flow switch
- Water shortage protection
- Automatic opening of water supply
- Timing function
- Temperature protection
- Electrophoresis rust prevention

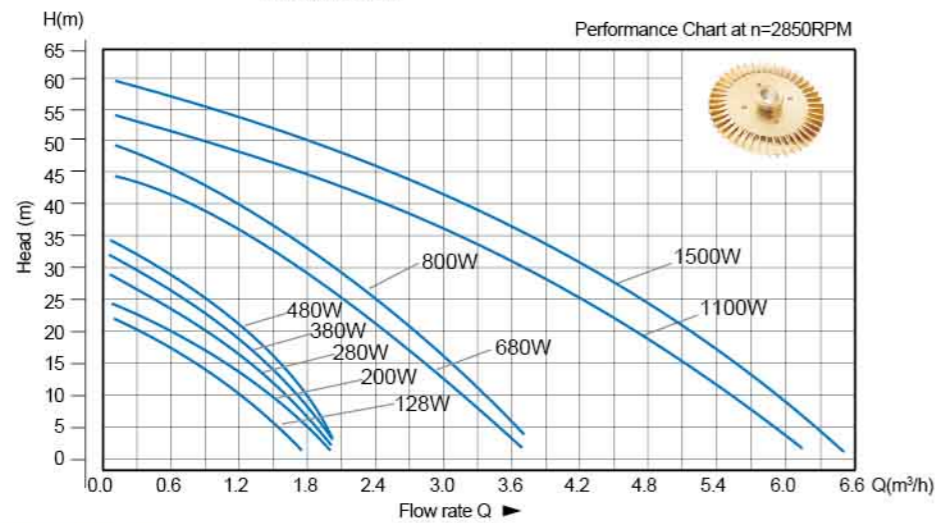
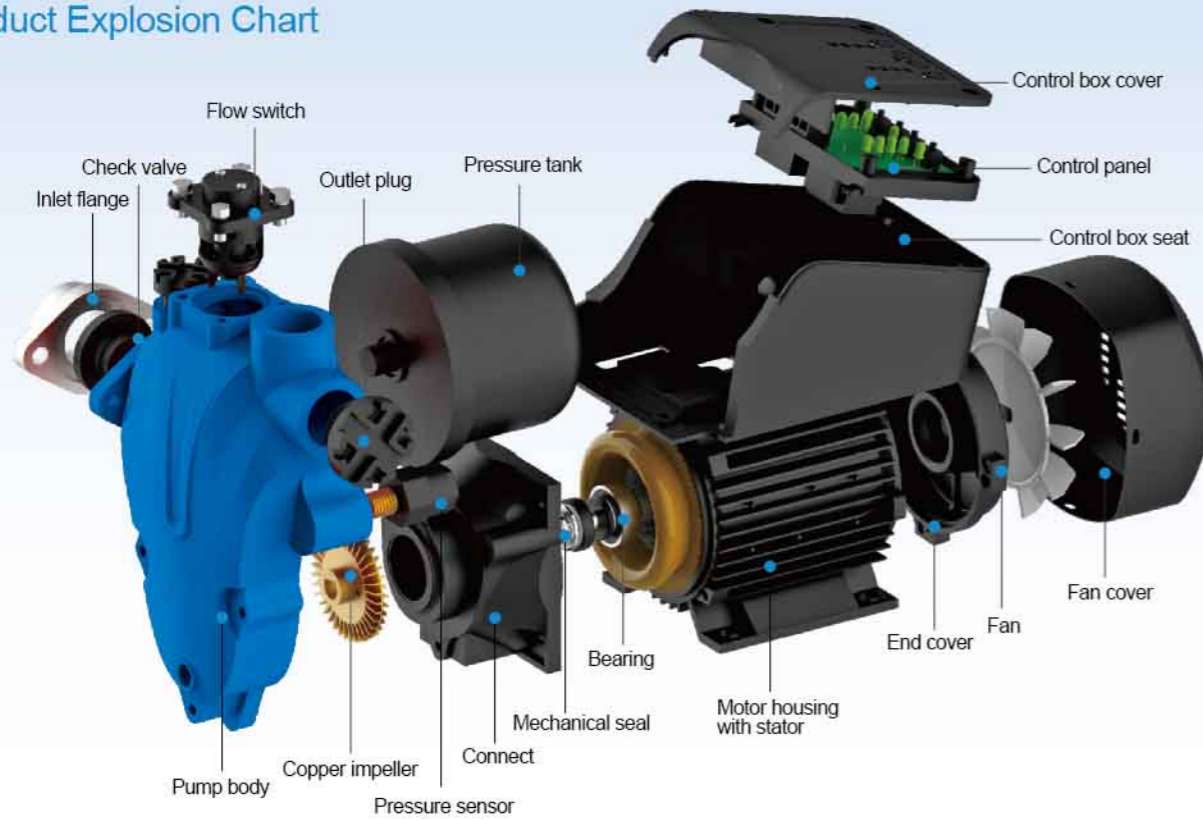
### Motor

- Electric pump speed:  $(n=2850r.p.m)$
- Insulation: **Class F**
- Protection: **IP44**
- Continuous service: **S1**
- Thermal protector
- Single-phase: **220V/50Hz, 60Hz if request**





Product Explosion Chart



Technical Parameter

Model	Power		Max.Q (m³/h)	Max.Head (m)	Max.suct (m)	PIPE (mm)	Outer box size (mm)	Volume (m³)	G.W. (kg)
	kW	HP							
AWZB-280N	0.128	0.2	1.8	22	8	25	283x170x247	0.012	8.50
AWZB-200N	0.2	0.3	2	25	8	25	283x170x247	0.012	8.50
AWZB-280N	0.28	0.4	2	30	9	25	310x206x269	0.017	9.95
AWZB-380N	0.38	0.5	2	32	9	25	310x206x269	0.017	10.22
AWZB-480N	0.48	0.7	2	35	9	25	310x206x269	0.017	10.85
AWZB-680N	0.68	0.9	3.4	45	9	25	352x219x299	0.023	14.50
AWZB-880N	0.88	1.2	3.6	50	9	25	352x219x299	0.023	15.29
AWZB-1100N	1.1	6.3	6.0	8.5	40	22.35	368x223x336	0.031	22.35
AWZB-1500N	1.5	6.6	6.3	8.5	40	22.35	368x223x336	0.031	22.35

• N means start pressure adjustment

# SQB

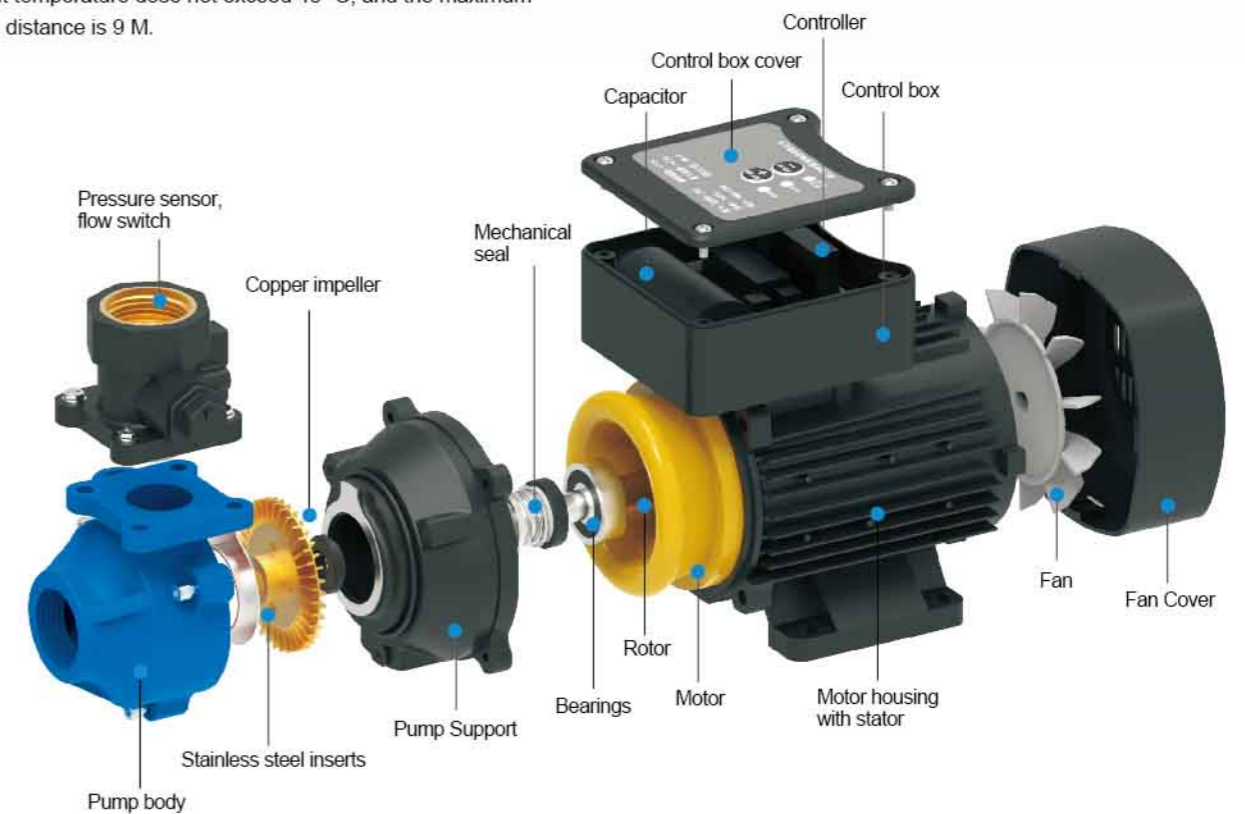
## Intelligent peripheral pump

### Application

Suitable for well water pumping, family, hotel, canteen, garden irrigation and other clean water pressurization, but also solar energy, water heater, central air conditioning and other equipment supporting pressurization preferred.

### Operating conditions

The temperature of pumping liquid does not exceed 100 °C and the ambient temperature dose not exceed 40 °C, and the maximum suction distance is 9 M.



Technical Parameter

Model	Power		Max.Q (m³/h)	Max.Head (m)	Max.suct (m)	PIPE (mm)	Outer box size (mm)	Volume (m³)	G.W. (kg)
	kW	HP							
SQB180	0.18	0.2	2.0	25	7	25	270x163x213	0.01	5.8
SQB280	0.28	0.4	2.0	30	7	25	270x163x213	0.01	6.2
SQB380	0.38	0.5	2.1	35	7	25	275x178x213	0.01	6.6

Intelligent self-priming pump  
Intelligent peripheral pump  
Intelligent JET pump  
Intelligent JET pump  
Intelligent stainless steel JET pump  
Intelligent centrifugal booster pump  
Intelligent shielded booster pump

Intelligent self-priming pump  
Intelligent peripheral pump  
Intelligent JET pump  
Intelligent stainless steel JET pump  
Intelligent centrifugal booster pump  
Intelligent shielded booster pump

# SJETNT

## Intelligent JET pump

### Application

Suitable for well water pumping, family, hotel, canteen, garden irrigation and other clean water pressurization, but also solar energy, water heater, central air conditioning and other equipment supporting pressurization preferred.

### Operating conditions

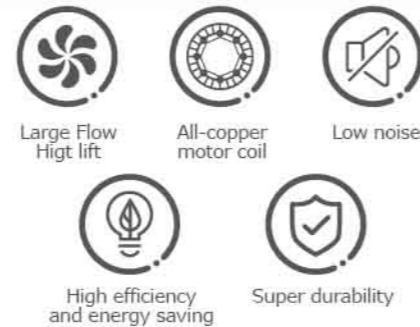
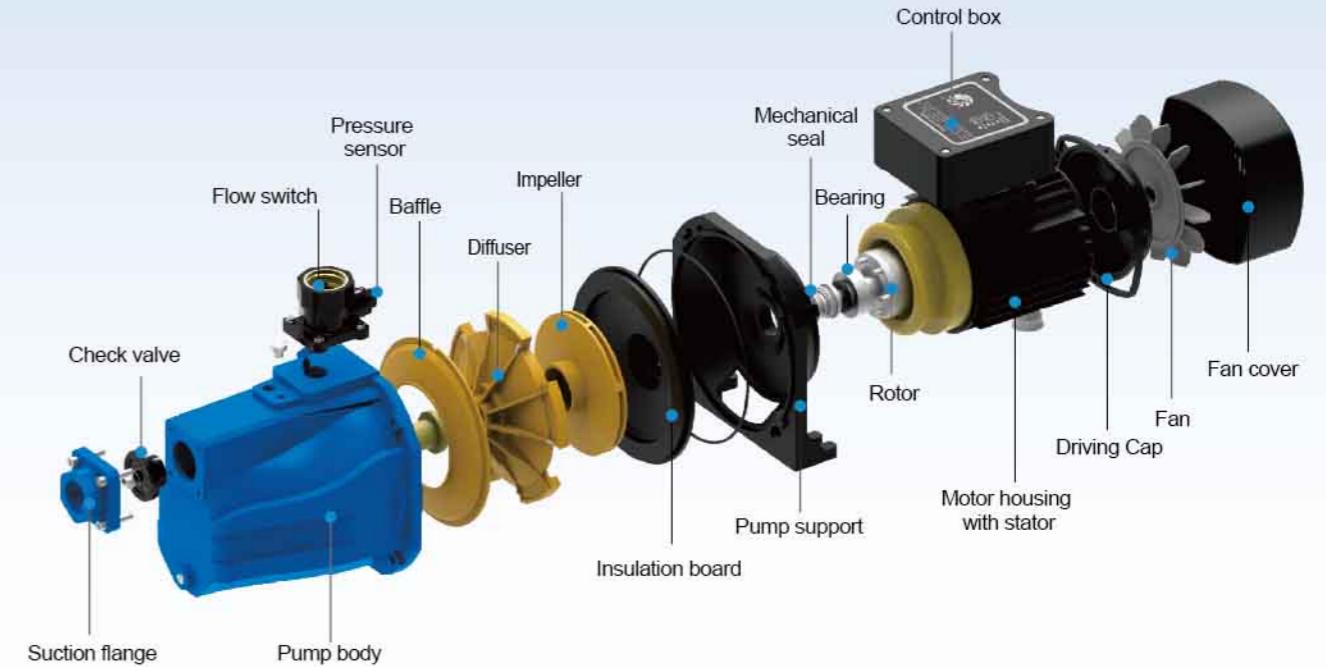
The temperature of pumping liquid does not exceed 100 °C and the ambient temperature dose not exceed 40 °C, and the maximum suction distance is 9.8 M.

### Technical parameter

Component	Construction
Pump body	Cast iron
Pump support	Cast iron
Motor housing	Aluminum
Impeller	PPO
Mechanical seal	Silicon carbide
Bearing	6202 (370W-750W) 6303 (1100W-1500W)



### Product Explosion Chart



### Function

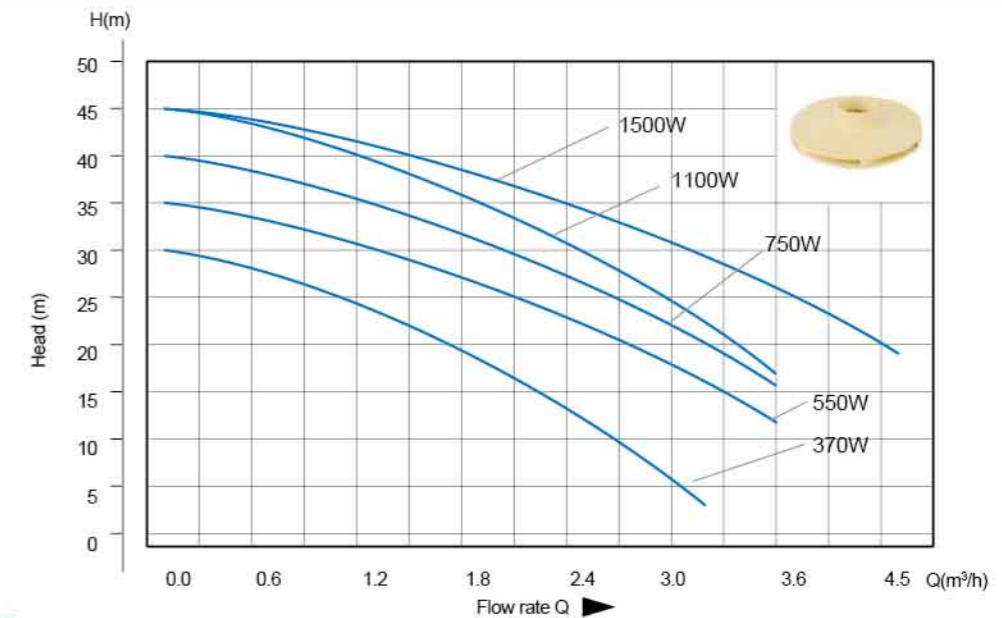
Linear pressure sensor is used to control the starting pressure of pump instead of traditional mechanical switch. At the same time, it has advanced flow control system.

The functions of the pump include:

- Automatic identification of pipe pressure
- Automatic regulation of starting pressure
- The chip has memory function
- Plug-in and play
- Intelligent overlapping
- The operation of water pump is controlled by pressure sensor and flow switch
- Water shortage protection
- Automatic opening of water supply
- Temperature protection
- Electrophoresis rust prevention

### Motor

- Electric pump speed:  $(n=2850r.p.m)$
- Insulation: **Class F**
- Protection: **IP44**
- Continuous service: **S1**
- Thermal protector
- Single-phase: **220V/50Hz, 60Hz if request**



### Technical Parameter

Model	Power kW	HP	Max.Q (m³/h)	Max.Head (m)	Max.suct (m)	PIPE (mm)	Outer box size (mm)	Volume (m³)	G.W. (kg)
SJET-60N	0.37	0.5	3	30	9.8	25	480x200x278	0.026	13.6
SJET-80N	0.55	0.75	3	42	9.8	25	480x200x278	0.026	14.5
SJET-100N	0.75	1	3.6	45	9.8	25	480x200x278	0.026	15.91
SJET-150N	1.1	1.5	4	46	9.8	25	480x200x278	0.026	16.48
SJET-200N	1.5	2	4.2	48	9.8	25	480x200x278	0.026	16.5
SJET-80NT	0.55	0.75	3	42	9.8	25	480x200x278	0.026	14.5
SJET-100NT	0.75	1	3.6	45	9.8	25	480x200x278	0.026	15.91
SJET-150NT	1.1	1.5	4	46	9.8	25	480x200x278	0.026	16.48
SJET-200NT	1.5	2	4.2	48	9.8	25	480x200x278	0.026	16.5

• N means start pressure adjustment, T means Fluid temperature control

Intelligent self-priming pump  
Intelligent peripheral pump  
Intelligent JET pump  
Intelligent stainless steel JET pump  
Intelligent centrifugal booster pump  
Intelligent shielded booster pump

Intelligent self-priming pump  
Intelligent peripheral pump  
Intelligent JET pump  
Intelligent stainless steel JET pump  
Intelligent centrifugal booster pump  
Intelligent shielded booster pump

# SJETSNT

## Intelligent stainless steel JET pump

### Application

Suitable for well water pumping, family, hotel, canteen, garden irrigation and other clean water pressurization, but also solar energy, water heater, central air conditioning and other equipment supporting pressurization preferred.

### Operating conditions

The temperature of pumping liquid does not exceed 100 °C and the ambient temperature dose not exceed 40 °C, and the maximum suction distance is 9.8 M.

### Technical parameter

Component	Construction
Pump body	Stainless steel
Pump support	Stainless steel
Motor housing	Aluminum
Impeller	Stainless steel
Mechanical seal	Silicon carbide
Bearing	6201 (480W) 6202 (680W-880W)

### Function

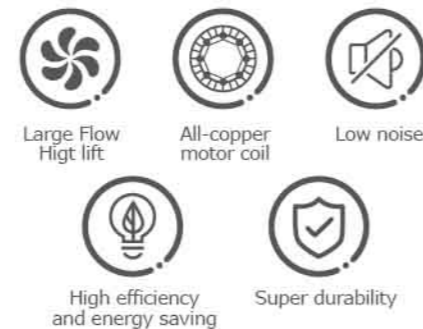
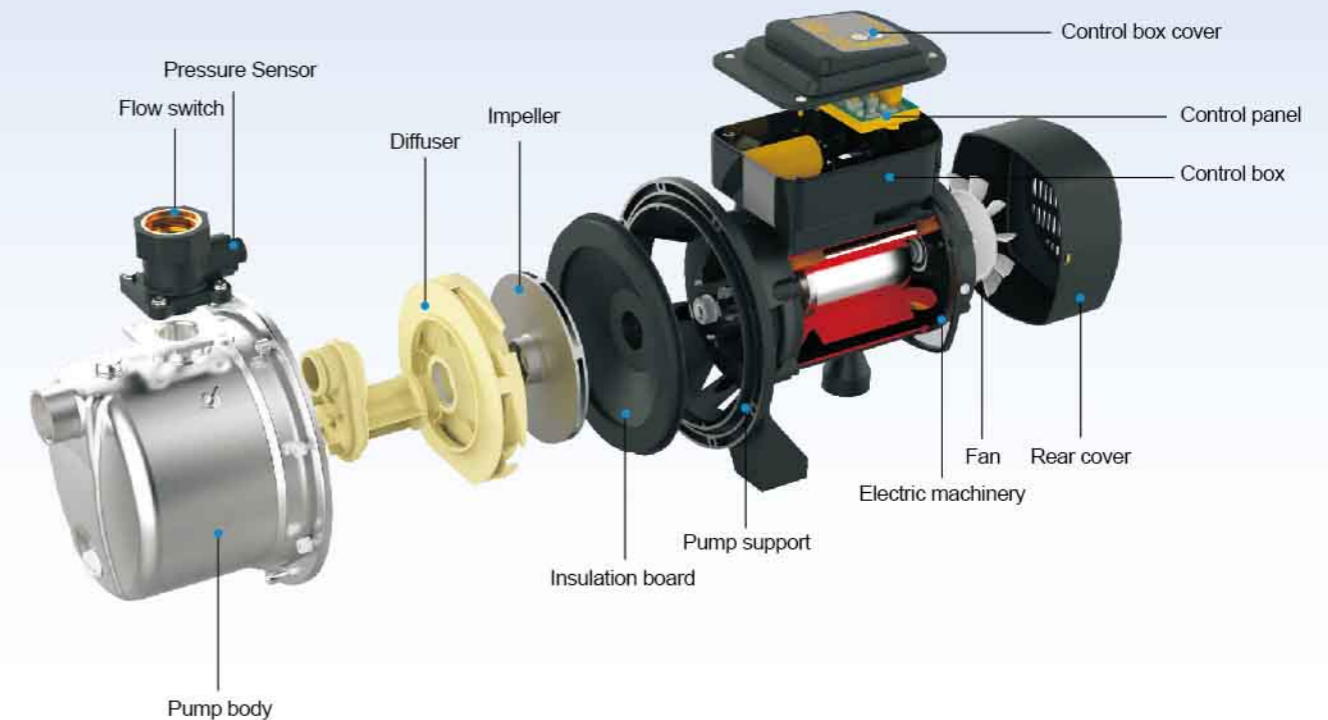
Linear pressure sensor is used to control the starting pressure of pump instead of traditional mechanical switch. At the same time, it has advanced flow control system.

The functions of the pump include:

- Automatic identification of pipe pressure
- Automatic regulation of starting pressure
- The chip has memory function
- Plug-in and play
- Intelligent overlapping
- The operation of water pump is controlled by pressure sensor and flow switch
- Water shortage protection
- Automatic opening of water supply
- Temperature protection
- Electrophoresis rust prevention

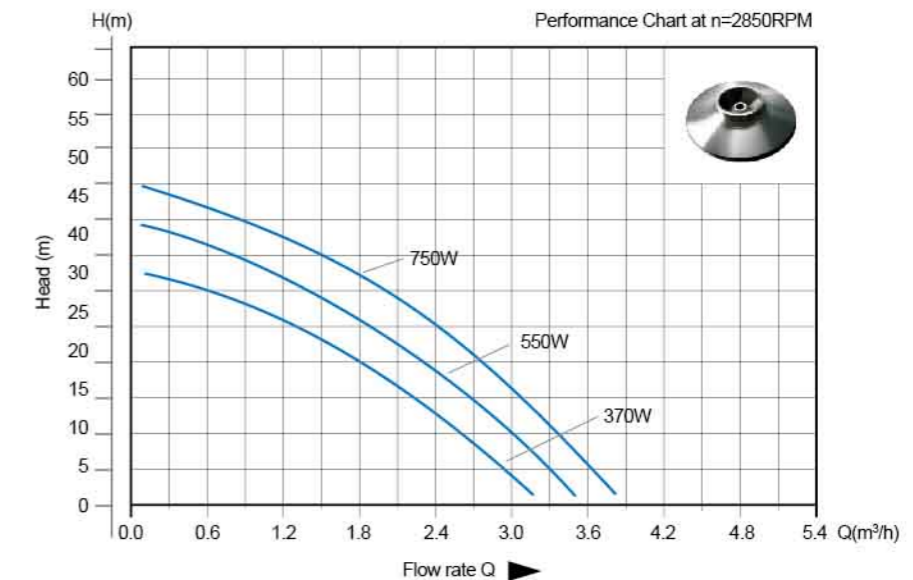


### Product Explosion Chart



### Motor

- Electric pump speed: ( $n=2850r.p.m$ )
- Insulation: **Class F**
- Protection: **IP44**
- Continuous service: **S1**
- Thermal protector
- Single-phase: **220V/50Hz, 60Hz if request**



### Technical Parameter

Model	Power KW	HP	Max.Q (m³/h)	Max.Head (m)	Max.suct (m)	PIPE (mm)	Outer box size (mm)	Volume (m³)	G.W. (kg)
SJETS60NT	0.37	0.5	3.2	32	9.8	25	368x225x283	0.023	9.4
SJETS80NT	0.55	0.8	3.6	40	9.8	25	368x225x283	0.023	9.8
SJETS100NT	0.75	1.0	4.0	45	9.8	25	447x236x295	0.031	11.1

• N means start pressure adjustment, T means Fluid temperature control

# SCPMN

## Intelligent centrifugal booster pump

### Application

Smart 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 electroic components to ensure longer service life in humid environment.

### Operating conditions

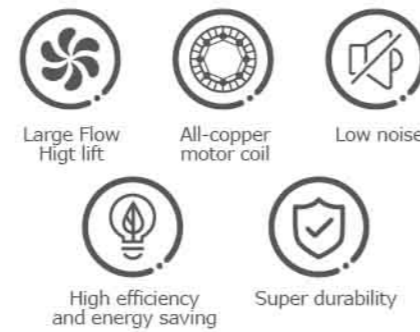
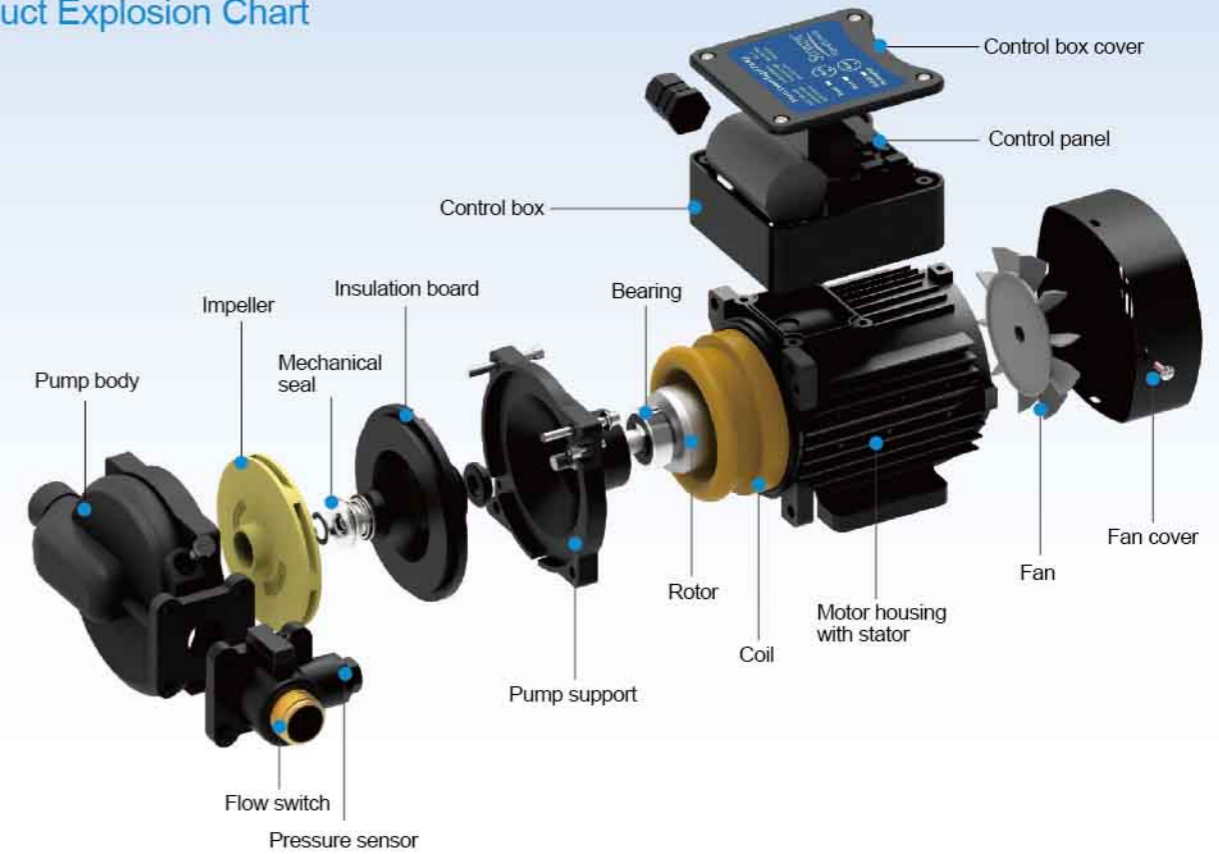
The temperature of pumping liquid does not exceed 100 °C and the ambient temperature dose not exceed 40 °C.

### 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)

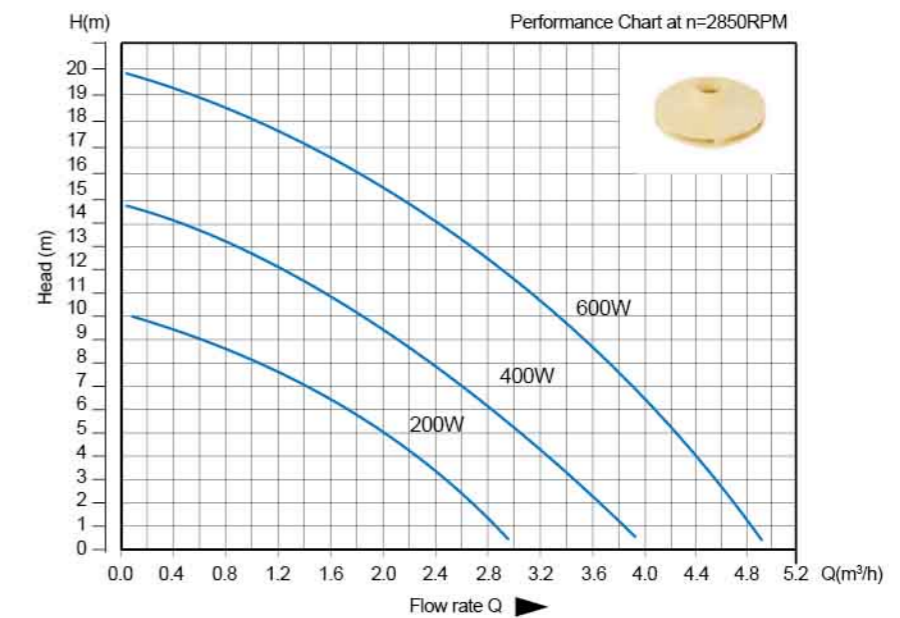


### Product Explosion Chart



### Motor

- Electric pump speed: (n=2850r.p.m)
- Insulation: **Class F**
- Protection: **IP44**
- Continuous service: **S1**
- Thermal protector
- Single-phase: **220V/50Hz, 60Hz if request**



### Technical Parameter

Model	Power kW	Power HP	Max.Q (m³/h)	Max.Head (m)	PIPE (mm)	Outer box size (mm)	Volume (m³)	G.W. (kg)
SCPM200N	0.2	0.3	3	10	20	230x172x243	0.01	4.61
SCPM400N	0.4	0.5	4	15	25	262x182x273	0.013	6.65
SCPM600N	0.6	0.8	5	20	25	280x293x206	0.017	7

• N means start pressure adjustment

SSR

## Intelligent shielded booster pump



## Application

Permanent magnet shield booster pump has the advantages of quiet, safety, energy saving, small volume, water tight and so on. It is very suitable for home water heater, solar energy, air energy, water purifier, intelligent toilet pressurization, and it can be used with pipeline circulation equipment.

## Operating conditions

The temperature of pumping liquid does not exceed 80 °C and the ambient temperature dose not exceed 40 °C.

Large Flow  
High liftAll-copper  
motor coil

Low noise

High efficiency  
and energy saving

Super durability

## Function

The intelligent permanent magnet shield booster pump is composed of flow switch, pressure sensor and manual button. It can be started when the water pressure is low or the water flow is very small. At the same time, it has the function of water shortage protection. The circuit board adopts the technology of glue filling and dampproof, which is very safe to use in humid environment. 24V DC low voltage is safe and reliable, and the power supply has leakage protection function, which makes users more secure.

The functions of the pump include:

- Stepless voltage regulation
- Plug-in and play
- The operation of water pump is controlled by pressure sensor and flow switch
- Water shortage protection
- Automatic opening of water supply
- Overcurrent protection
- Overvoltage protection
- Light sound, about 20-30 DB

## Motor

- Electric pump speed: ( $n=500-10000r.p.m$ )
- Insulation: **Class F**
- Protection: **IP55**
- Continuous service: **S1**
- Thermal protector
- Single-phase: **24V**

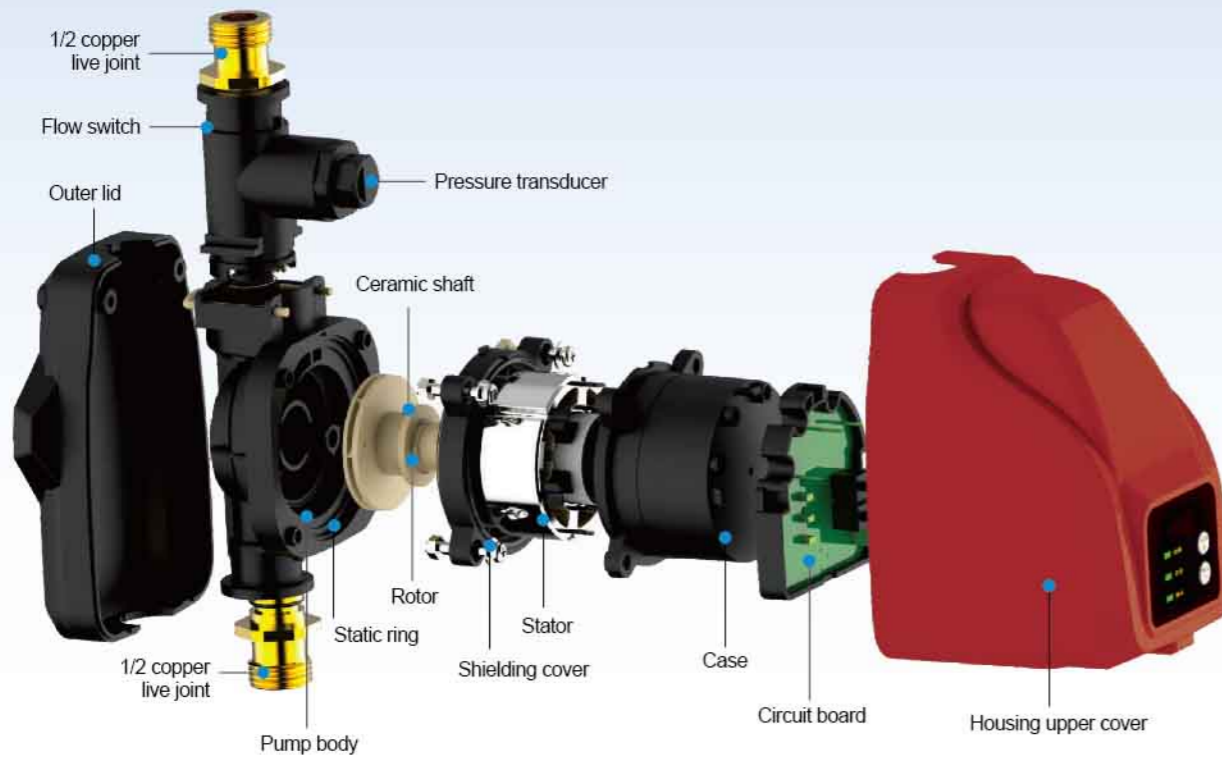


## Technical parameter

Component	Construction
Power Supply	90-260V power adapter converts 24V output
Pump body	Engineering plastic
Pump housing	ABS plastics
Pump support	Shielding sleeve
Impeller and rotor	PPO plastics and ferrites
Rotor shaft	99 Ceramics



Product Explosion Chart



# SWH

## Intelligent Whole House Shielded Booster Pump

### Application

Permanent magnet shield booster pump has the advantages of quiet, safety, energy saving, small volume, water tight and so on. It is very suitable for home water heater, solar energy, air energy, water purifier, intelligent toilet pressurization, and it can be used with pipeline circulation equipment.

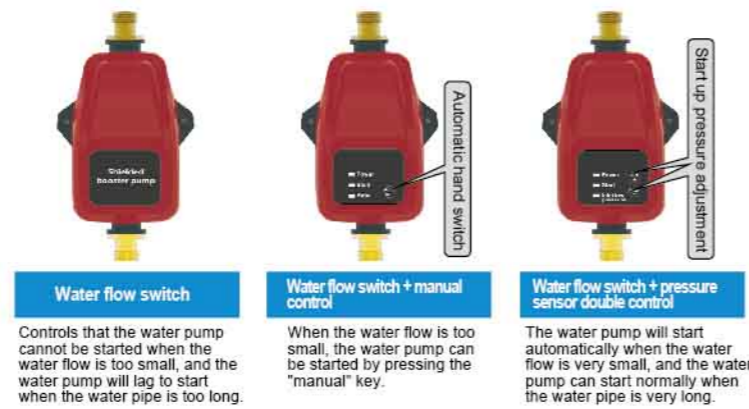
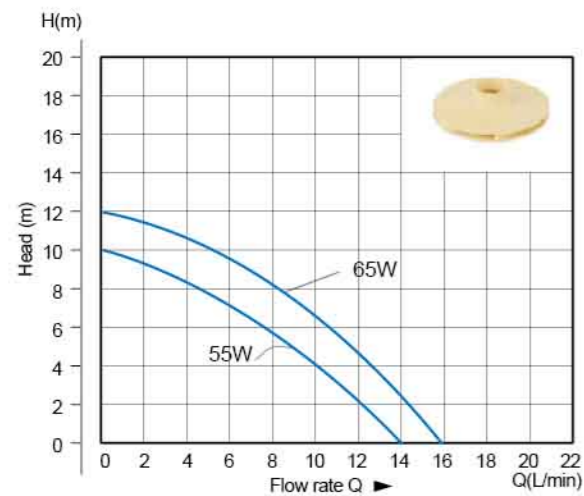
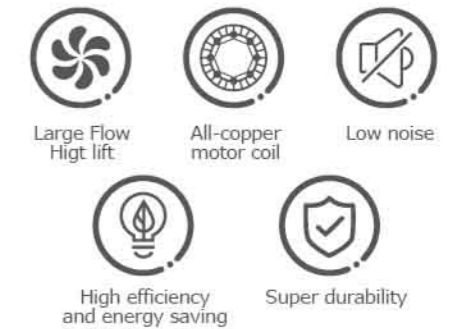
### Operating conditions

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



### Technical parameter

Component	Construction
Power Supply	100-230V power adapter converts 24V output
Pump body	Engineering plastic
Pump housing	ABS plastics
Pump support	Shielding sleeve
Impeller and rotor	PPO plastics and ferrites
Rotor shaft	99 Ceramics



### Technical Parameter

Model	Power kW	Power HP	Max.Q (m³/h)	Max.Head (m)	PIPE (mm)	Outer box size (mm)	Volume (m³)	G.W. (kg)
SSR15-10-186	55	0.07	14	10	15	145x142x122	0.0025	1.1
SSR15-12-186	65	0.09	16	12	15	145x142x122	0.0025	1.1

### Function

The intelligent permanent magnet shield booster pump is composed of flow switch, pressure sensor and manual button. It can be started when the water pressure is low or the water flow is very small. At the same time, it has the function of water shortage protection. The circuit board adopts the technology of glue filling and dampproof, which is very safe to use in humid environment. 24V DC low voltage is safe and reliable, and the power supply has leakage protection function, which makes users more secure.

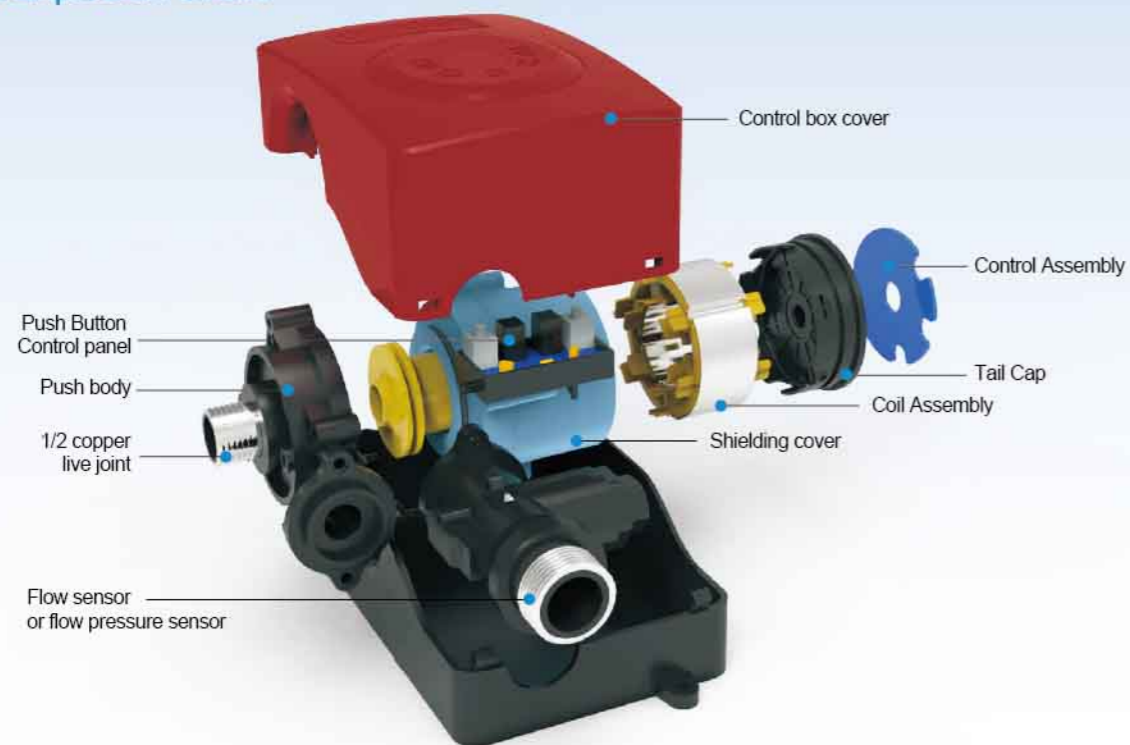
The functions of the pump include:

- Plug-in and use
- The operation of water pump is controlled by pressure sensor and flow switch
- Water shortage protection
- Automatic opening of water supply
- Overcurrent protection
- Overvoltage protection
- Light sound, about 20-30 DB

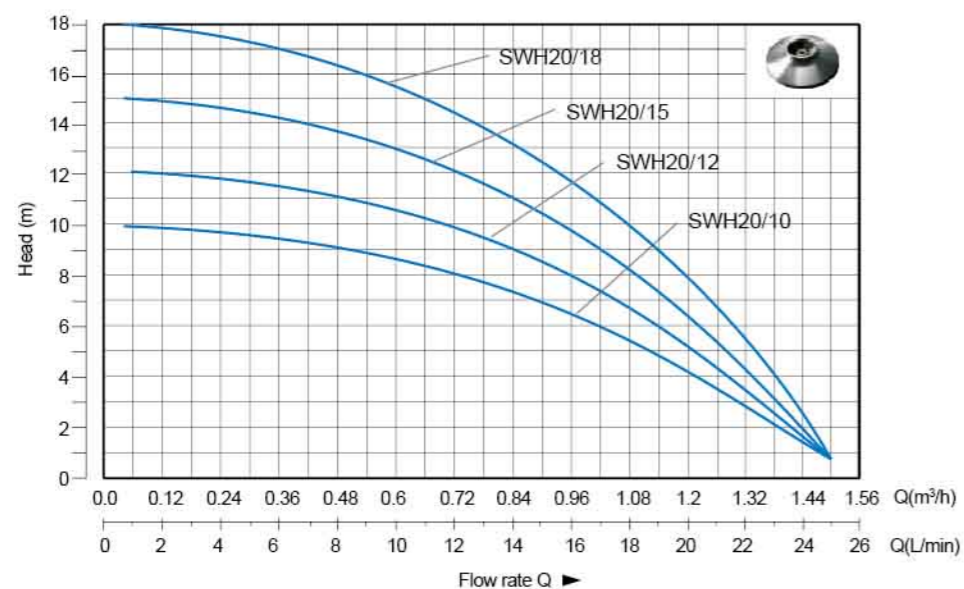
### Motor

- Electric pump speed: (n=5000-10000r.p.m)
- Insulation: **Class F**
- Protection: **IP55**
- Continuous service: **S1**
- Thermal protector
- Single-phase: **24V**

### Product Explosion Chart



VS



### Technical Parameter

Model	Voltage (V)	Current (A)	Frequency (Hz)	Maximum speed output power (r/min)	Max. speed (r/min)	Rated head (m)	Rated flow (m³/h)	Max. Head (m)	Suction Head (m)	Max. flow (m³/h)	Caliber (mm)
SWH20/10	DC-24	3.5	50/60	32	7200	7.4	1	10	2	1.4	15/20
SWH20/12	DC-24	3.5	50/60	48	8250	7.9	1	12	2	1.4	15/20
SWH20/15	DC-24	3.5	50/60	58	8900	8.3	1	15	5	1.4	15/20
SWH20/18	DC-24	3.5	50/60	78	9500	9	1	18	5	1.4	15/20

#### Intelligent Shielded Booster Pump

- Waterproof grade: IP67
- Safety: 24V Low Voltage
- Water-cooled heat dissipation without fan noise
- Pump start depends on pressure and flow control, so it will start immediately.
- Small flow and low pressure can start
- Glue Filling Technology for PCB
- Automatic start-up of water supply
- Shielded structure seals without leakage

#### Traditional Miniature Booster Pump

- Non waterproof
- 220V AC
- Noise, no energy saving
- Pump start-up is driven by water flow, so it will be delayed.
- Low Voltage Not Starting
- Circuit boards are vulnerable to dampness
- Manual restart of incoming water
- Mechanical oil seal leaks easily

Intelligent self-priming pump  
Intelligent peripheral pump  
Intelligent JET pump  
Intelligent stainless steel JET pump  
Intelligent centrifugal booster pump  
Intelligent shielded booster pump

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