HAITIMA

Smart Booster Pump Series
Smooth water pressurizing

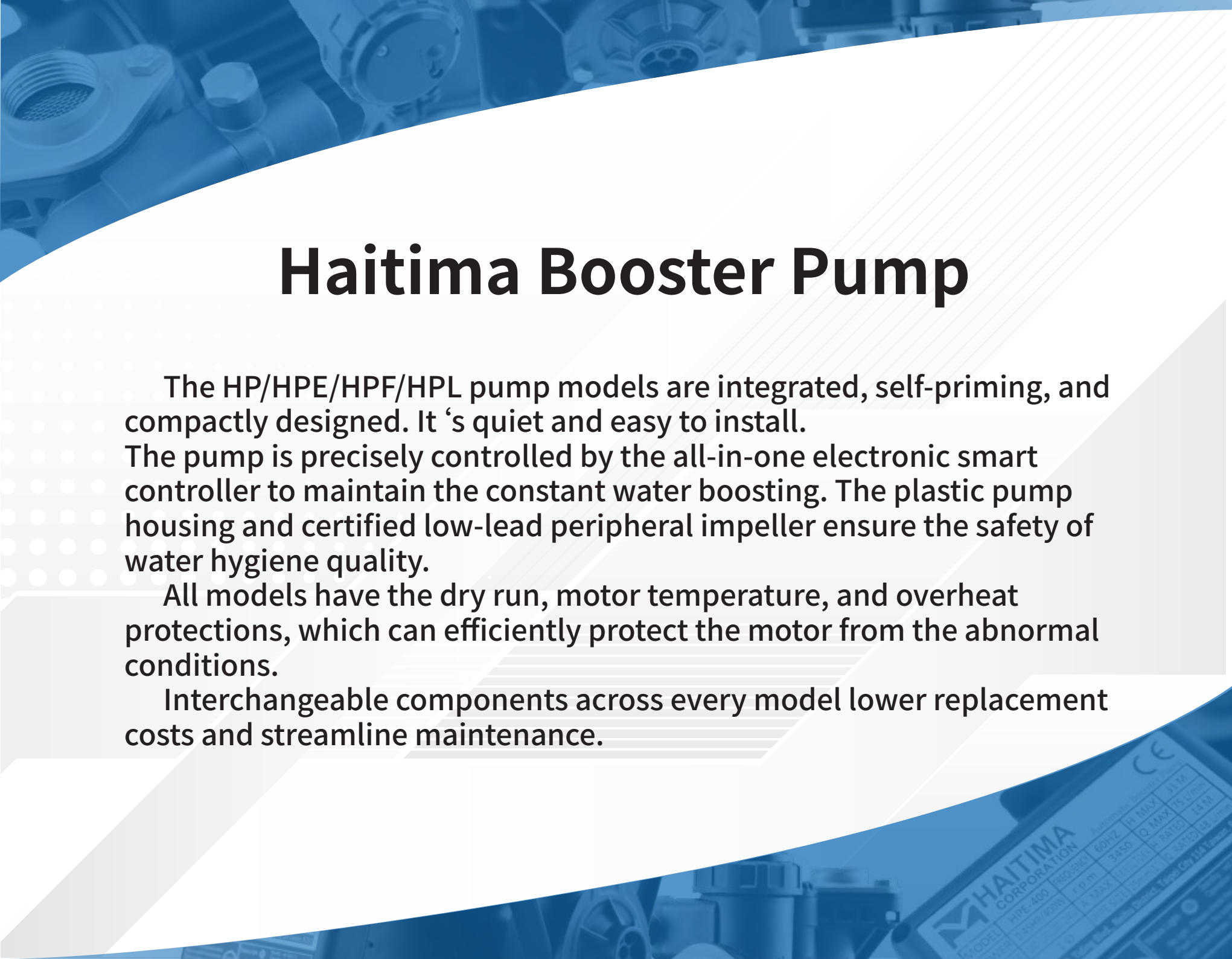


Haitima Booster Pump

The HP/HPE/HPF/HPL pump models are integrated, self-priming, and compactly designed. It ‘s quiet and easy to install.
The pump is precisely controlled by the all-in-one electronic smart controller to maintain the constant water boosting. The plastic pump housing and certified low-lead peripheral impeller ensure the safety of water hygiene quality.

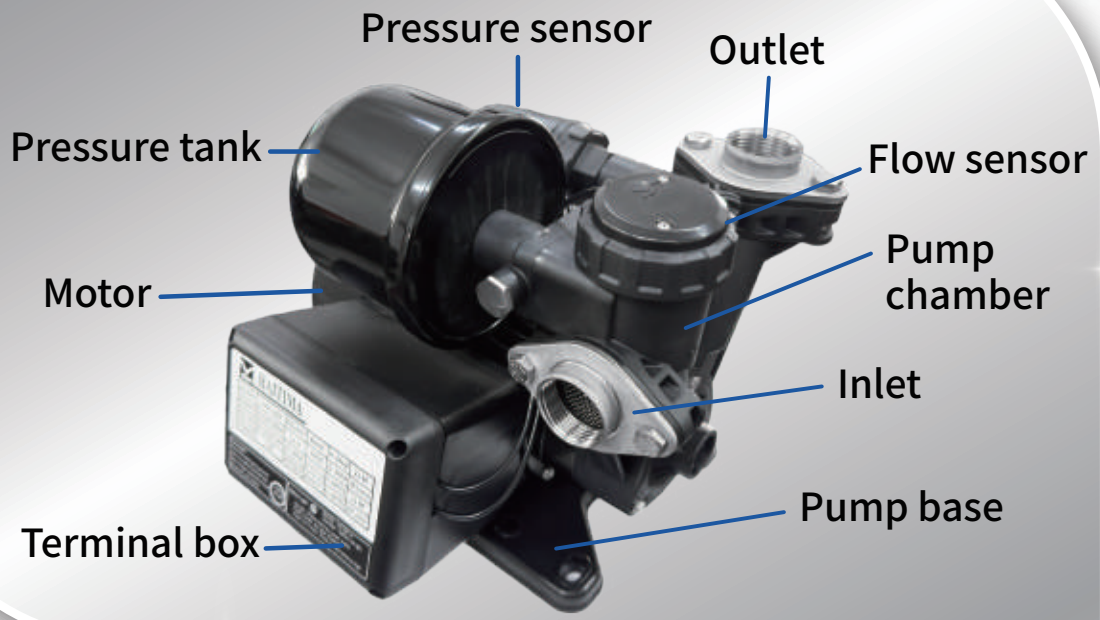
All models have the dry run, motor temperature, and overheat protections, which can efficiently protect the motor from the abnormal conditions.

Interchangeable components across every model lower replacement costs and streamline maintenance.

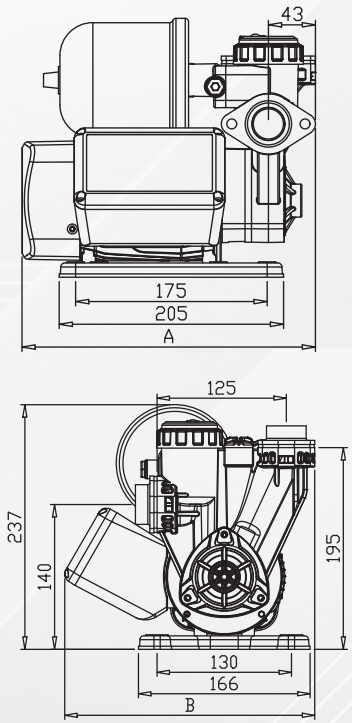


HP/E Series

HP/E series is integrated with a pressure tank that can efficiently save power consumption. The key feature is a manual or auto 110V/220V voltage switch built into the control board for 60Hz. The pump starts with the integrated pressure or flow sensor and is precisely controlled by the all-in-one electronic smart controller to maintain the constant water boosting.



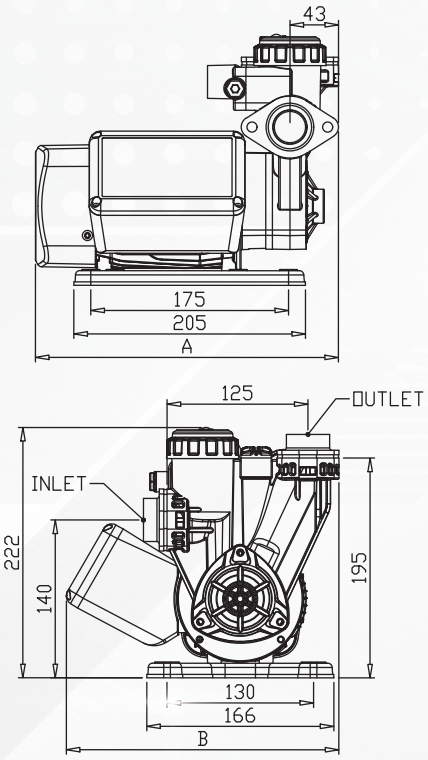
Dimensions

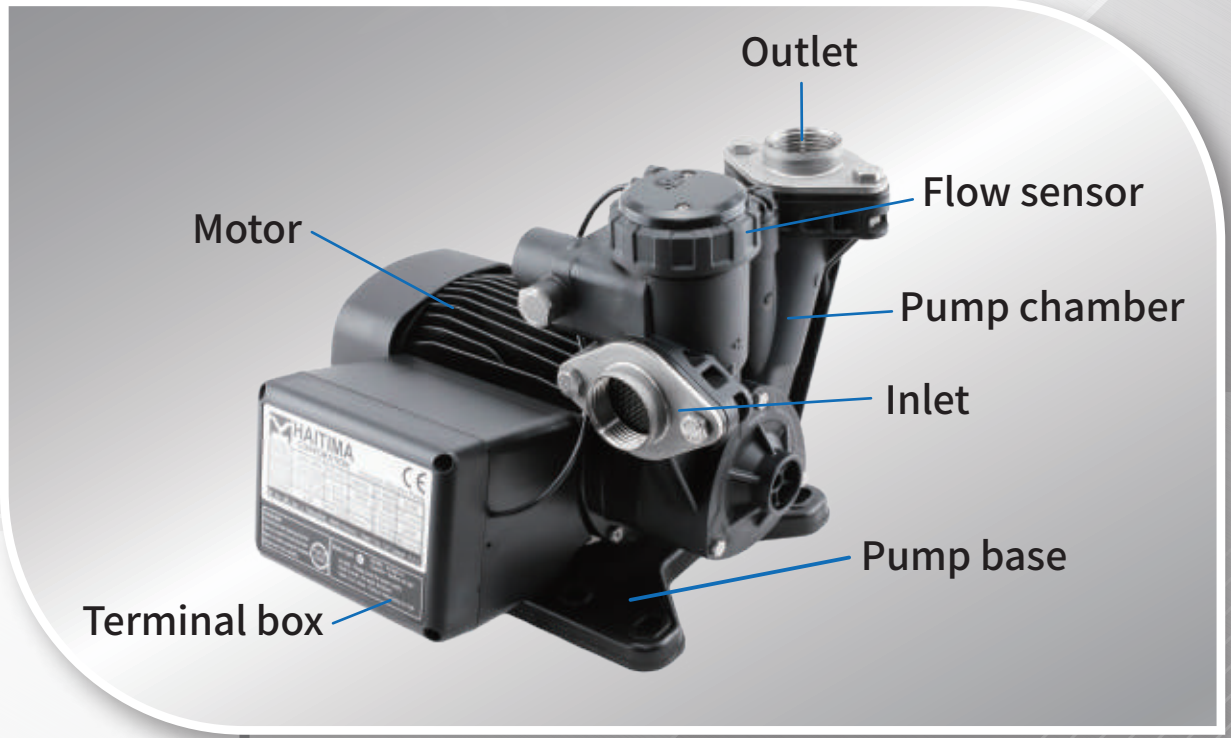


HPF Series

HPF series is without the pressure tank. The F means this model is only starting by the flow sensor for low-pressure condition use. Also, the manual 110V/220V voltage switch function is built into the control board for 60Hz models. The pump is precisely controlled by the all-in-one electronic smart controller to maintain the constant water boosting.

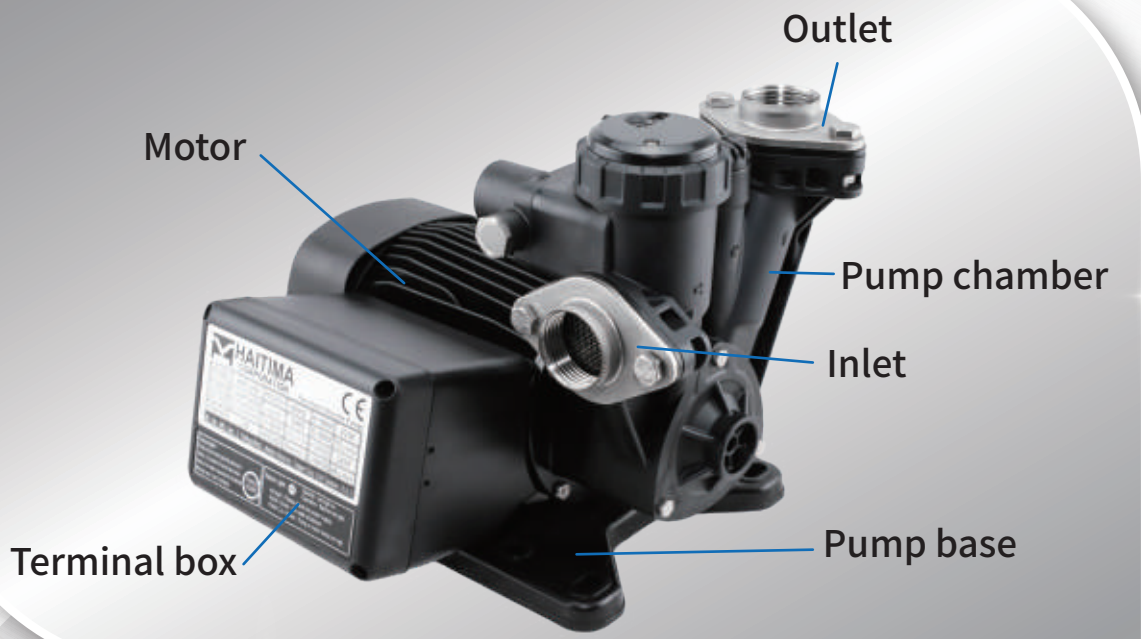
Dimensions



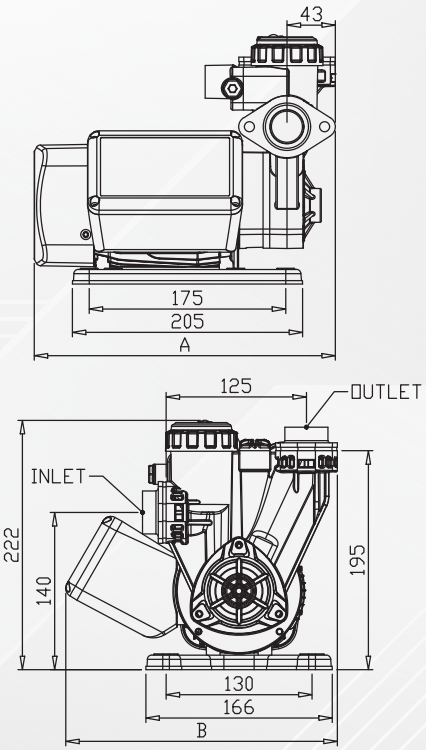


HPL Series

The HPL series is a standard and entry-level booster pump without the pressure tank, which starts manually with constant water boosting. Also, the manual 110V/220V voltage switch function is built into the control board for 60Hz models.



Dimensions



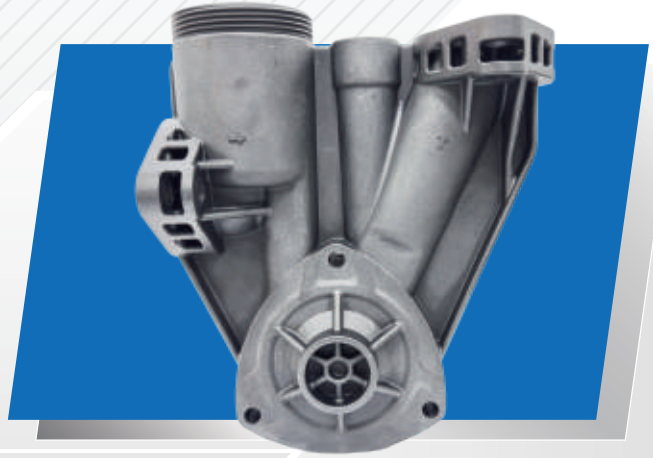


Motor Cooling

The great design of motor cooling plate and fan make the cooling more efficient and low operation noise.

Pump Chamber

The plastic pump chamber keeps water hygiene and no rust issue.





Overheat Protector

There are two overheat protectors which can protect motor and pipeline from unexpected damage





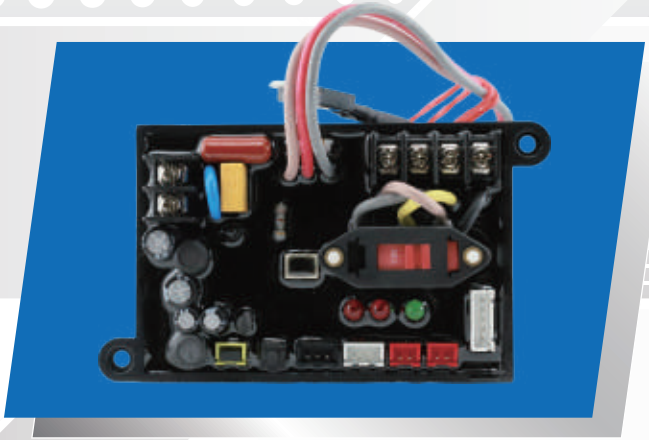
Pressure sensor



Flow sensor

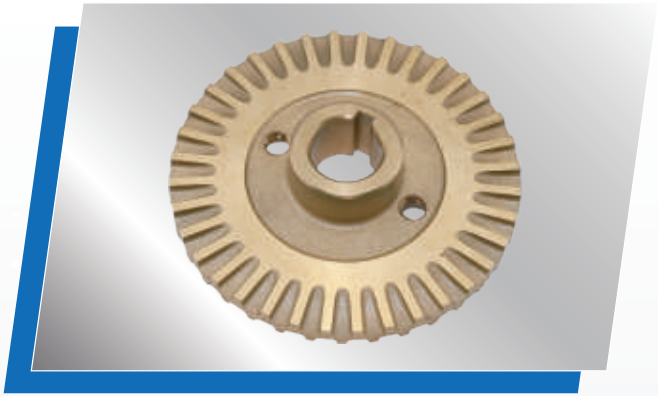


The flow and pressure sensors integrated with the automotive-grade Hall IC sensor are coated for a great insulation, which is resistant to high temperatures and has a long service life.
It can operate in harsh environments; and, accurately detect the flow and pressure for precise transmission of the signals to the control board enables precise operation control and is less likely to cause pump failure problems.



Electronic control board

The integrated and modular design makes the replacement simple and clear. The power is supplied to the control board through the Switch IC, which has a protective and stabilizing effect on the abnormal extreme voltage of 30-300V, thus protecting the control board and the motor. The control board is encapsulated in resin for easy use in high humidity environments.



Impeller

Low cadmium, chromium, and, mercury C6801 brass material keep the water hygiene.
The design of the impeller makes the pump quite and efficiency performance.

Pressure Tank

It can reduce on off cycle to save energy and absorbed the water hammer impact to keep pump safe.
The tank is made from drink water material.





Pump inlet and outlet

Anti rust stainless steel inlet and outlet keep the water hygiene.
The stainless-steel screen from the inlet keeps particles to damage the pump

Specification

Model

H=HAITIMA P=Pump E=Eletronic

F=Flow L=Light

Operating Condition

Ambient temperature	0°C ~ 40°C
Liquid temperature	2°C ~ 45°C
Liquid	Water without particle
Liquid pH	4~9
Relative humidity	Max. 85% (RH)
Inlet/Outlet	Rp 1" or NPT 1"
System Pressure	Max. 5 kg/cm² (200W-400W models) Max. 7 kg/cm² (600W and 800W models)

Components	Material
Motor Frame	Aluminum
Pump Casing	PPS+Glass Fiber
Shaft	SUS400
Mechanical Seal	Ceramic+Carbon

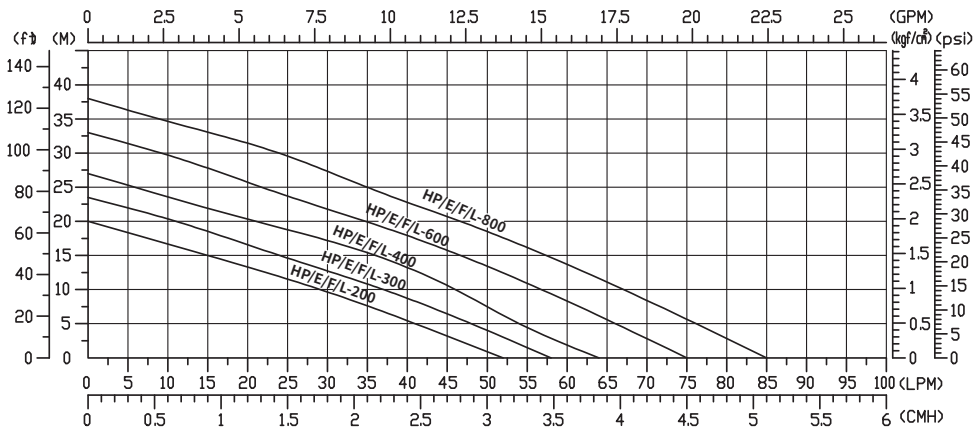
Motor Spec

Motor Type	2 POLE, totally enclosed fan-cooled
Frequency	50HZ or 60HZ
Standard Voltages	1Φ 220-240V(50HZ) 1Φ 100-120/200-240V(60HZ)
Insulation Class	F class (155°C)
Enclosure Protection Class	IP 54
Nominal Speed	2850 rpm(50HZ) 3450 rpm(60HZ)
Noise level	< 48 dB

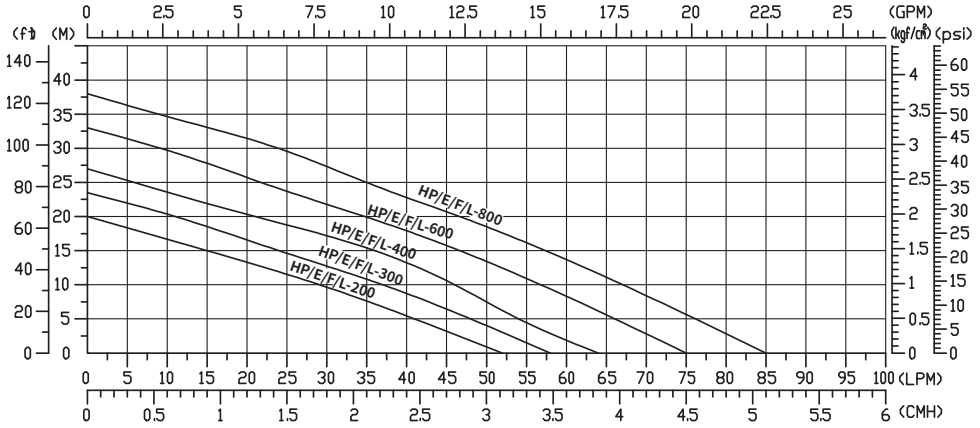
Protective function

Function/Model	HP	HPE	HPF	HPL
Flow detection start	○	○	○	X
Pressure detection start	○	○	X	X
Dry run protection	○	○	○	○
Dry run recovery	AUTO/MANUAL	AUTO/MANUAL	AUTO/MANUAL	X
Abnormal voltage protection	○	X	X	X
Motor Temperature protection	○	○	○	○
Overheat protection	○	○	○	○
24H Auto operation	○	○	○	X
Dual voltage switching	AUTO	MANUAL	MANUAL	MANUAL
Status indicator light	○	○	○	X
Soft stop function	○	○	○	X
Water suction function	○	○	○	○
Water hammer protection	○	○	X	X
Flow sensor signal light	○	○	○	X
Pressure sensor signal light	○	○	X	X
Forced start button	○	○	○	X
Built-in check valve	○	○	○	○

Performance Curve(50HZ)



Performance Curve(60HZ)



Performance Curve(50HZ)

Model	Power		Frequency	Phase (Φ)	Voltage (V)	A MAX (A)	Head (Pressure)		Flow (Capacity)		Pipe Connection	Units/ Pallet	Pallet Dimension L x W x H(cm)
	HP	Watt					Rated (M)	MAX. (M)	Rated (L/Min)	MAX. (L/Min)			
HP/E/F/L-200	1/4	200	50hz	1	220-2400	1.2-1.1	11	20	26.5	52	Rp 1”	112	110x110x200
HP/E/F/L-300	1/3	300	50hz	1	220-2400	1.5-1.4	12.5	23.5	31	56	Rp 1”	112	110x110x200
HP/E/F/L-400	1/2	400	50hz	1	220-2400	1.7-1.6	14	27	38	64	Rp 1”	112	110x110x200
HP/E/F/L-600	3/4	600	50hz	1	220-2400	3.0-2.8	15.5	33	45.5	75	Rp 1”	84	110x110x200
HP/E/F/L-800	1	800	50hz	1	220-2400	3.8-3.5	17	38	53.5	85	Rp 1”	84	110x110x200

Performance Curve(60HZ)

Model	Power		Frequency	Phase (Φ)	Voltage (V)	A MAX (A)	Head (Pressure)		Flow (Capacity)		Pipe Connection	Units/ Pallet	Pallet Dimension L x W x H(cm)
	HP	Watt					Rated (M)	MAX. (M)	Rated (L/Min)	MAX. (L/Min)			
HP/E/F/L-200	1/4	200	60hz	1	100-120/220-240	3.4-3.0/1.7-1.5	11	21	28	56	Rp 1”/NPT 1”	112	110x110x200
HP/E/F/L-300	1/3	300	60hz	1	100-120/220-240	4.6-4.0/2.3-2.0	12.5	26	41	66	Rp 1”/NPT 1”	112	110x110x200
HP/E/F/L-400	1/2	400	60hz	1	100-120/220-240	5.8-5.2/2.7-2.6	14	31	48	75	Rp 1”/NPT 1”	112	110x110x200
HP/E/F/L-600	3/4	600	60hz	1	100-120/220-240	7.8-7.2/3.9-3.6	15.5	36	53.5	84	Rp 1”/NPT 1”	84	110x110x200
HP/E/F/L-800	1	800	60hz	1	100-120/220-240	10.0-9.2/5.0-4.6	17	41	58	91	Rp 1”/NPT 1”	84	110x110x200