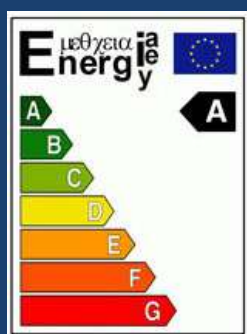




High efficiency circulation pump

Made in China



Catalogue 230V 50-60 Hz

HIGH EFFICIENCY

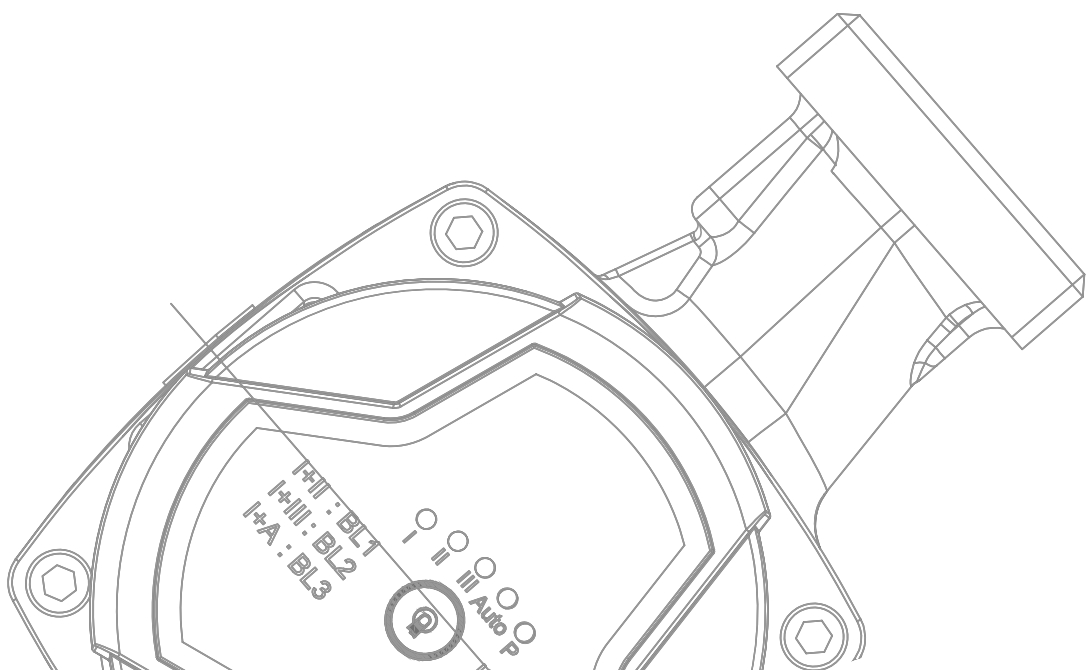
High Efficiency Circulation Pump

FEATURES:

High efficiency circulation pump is high efficiency pump for water circulation, which features well-designed compact structure, integrated controller and frequency converter. It is easy for installation and operation in most fields of applications. In terms of electricity consumption, the unique operation mode makes , high efficiency circulation pump more energy saving.

FIELDS OF APPLICATIONS:

1. Sytem with constant or variable flow
2. Sytem with variable temperature liquid
3. Sytem with night mode
4. Air conditioning and cooling system
5. Indutrial circulation system
6. Dometic hot water and drinking water supply system



SPA II _____*page 3***SPA II BL** _____*page 10***SPA III** _____*page 14***SPA IV** _____*page 19***SPA XX-11** _____*page 26***SPA 15-1.5** _____*page 31***SPA 15-1.5 II BL** _____*page 34*

SPA II

Applications

- . Domestic heating and hot water supply systems
- . Air and ground source heat pump systems
- . Air-conditioning systems
- . Industrial hot water circulation systems
- . Solar thermal systems

Features and benefits

Easy installation and operation

Equipped with Self Adapting mode AUTO (default setting), pump runs once the power is connected and adapts its performance according to actual system needs.

Control is effected by digital pulse-width modulation (PWM) low-voltage signal, enabling the pump to be used to meet different flow requirement in various systems.

Low noise and high comfort

Noise index: $\leq 42\text{dB(A)}$

Low energy consumption

A class energy efficiency, lowest power consumption up to 5W.

Multiple protection

With over-voltage and over-current protection

Eco-Design Benchmark

EEI ≤ 0.20 -Part 2

Two versions, to meet different requirements of usages.

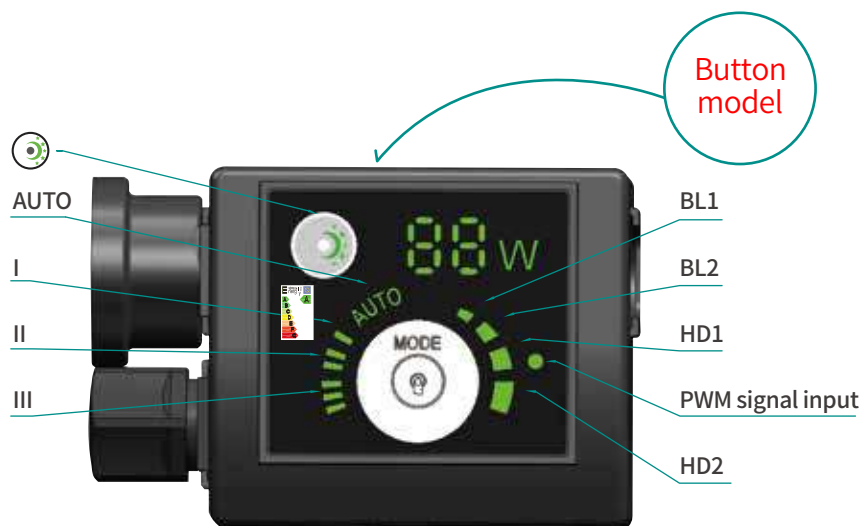
- 1.Button model, to switch modes with button
- 2.Rotary control model, easy operation

Quick release power plug

Start-up and stop the pump quickly.



Product photo and control modes



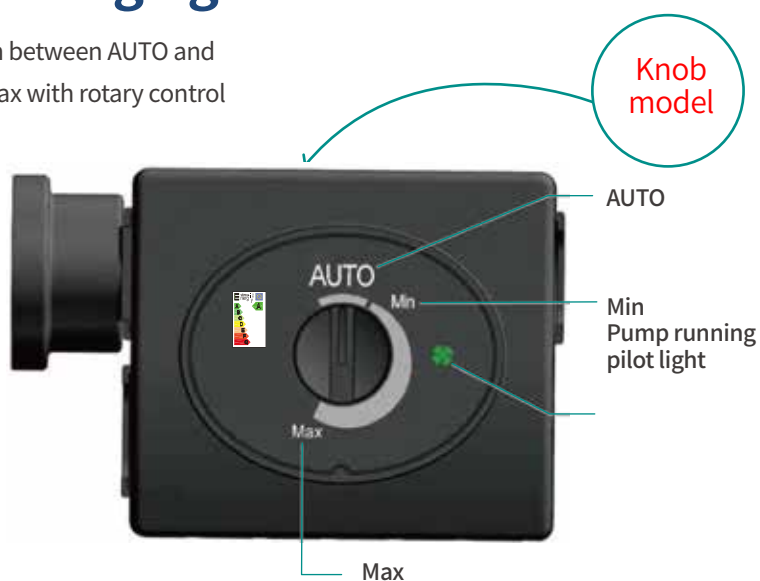
Setting	Performance curve
AUTO (factory setting)	Propotional pressure curve descending from highest to lowest
BL1	Min.propotional pressure curve
BL2	Max.propotional pressure curve
HD1	Min.constant pressure curve
HD2	Max.constant pressure curve
III	Rate III
II	Rate II
I	Rate I
PWM	PWM duty cycle performance curve

Night mode

Press button to switch between control modes,
Press night mode button to switch to night mode.

Running lights

Switch between AUTO and
Min-Max with rotary control



Setting	Performance curve
AUTO (factory setting)	Propotional pressure curve descending from highest to lowest
Continuously viable	"Min-Max" curve

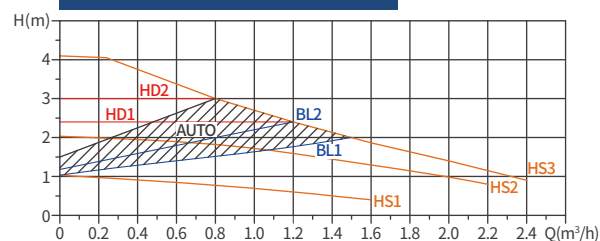
Technical parameter

Technical data

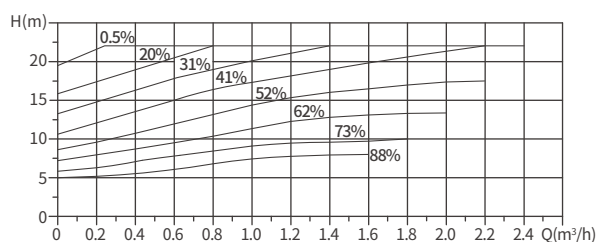
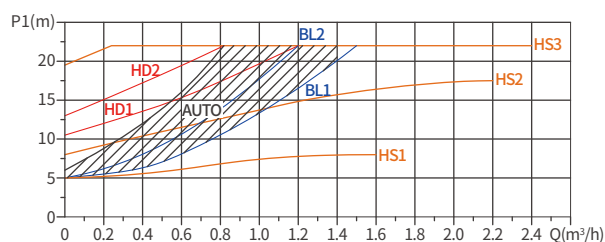
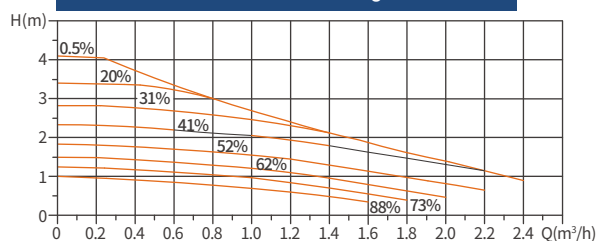
Power supply voltage	220-240V 50/60Hz, protective earth
Motor protection	No external protection required
IP class	IP42
Insulation class	H
(RH) Humidity	Max. 95%
System pressure	1.0 MPa
Compliance	CE/ GS/ EMC/ LVD/RoHS/REACH
Environment temperature	0~+40°C
Temperature class	TF110
Liquid temperature	-30~+110°C(Glycol up to 50%)

Button model performance curves

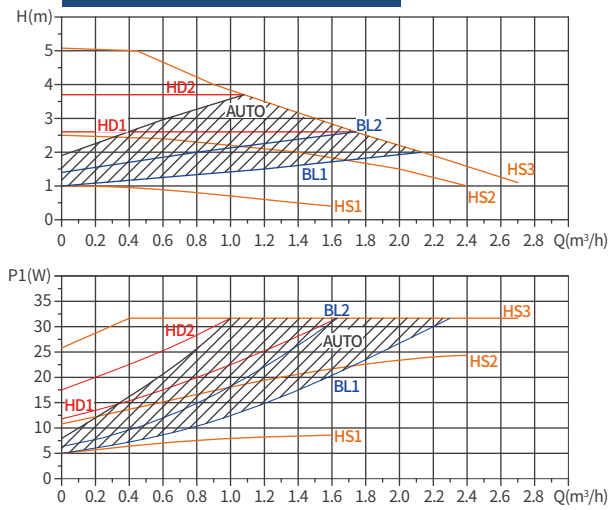
SPAXX-4 II Performance curves



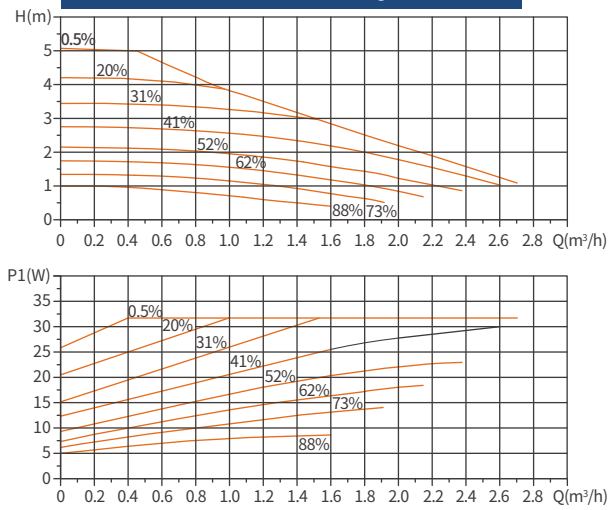
Performance curve under PWM signal control



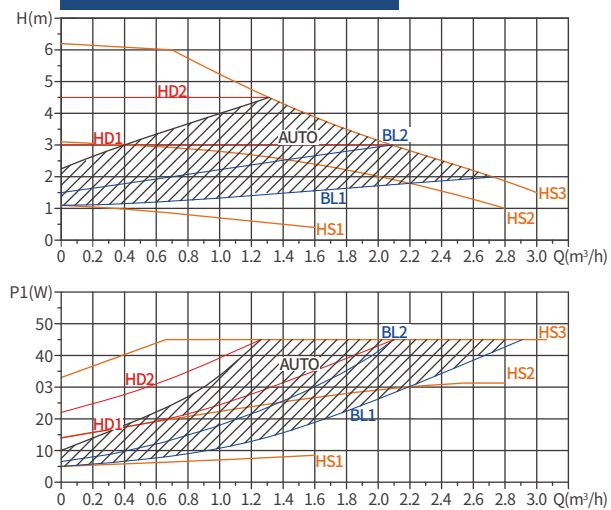
SPAXX-5 II Performance curves



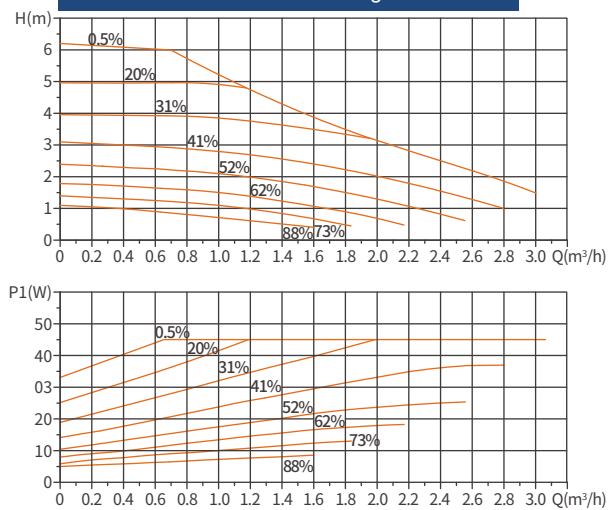
Performance curve under PWM signal control



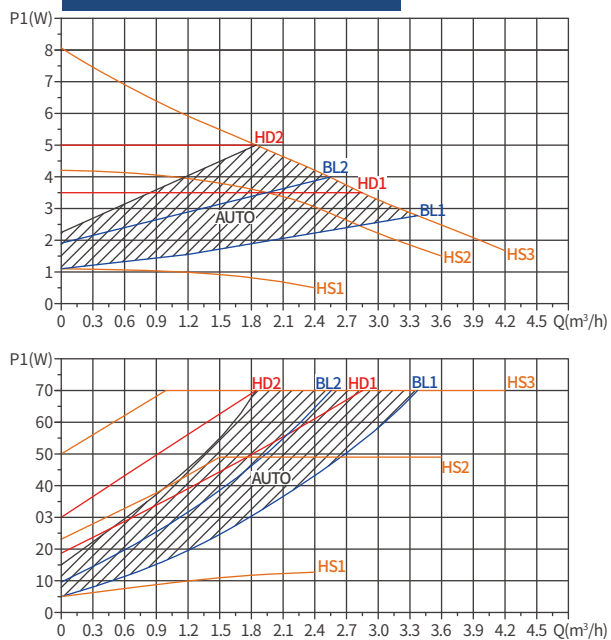
SPAXX-6 II Performance curves



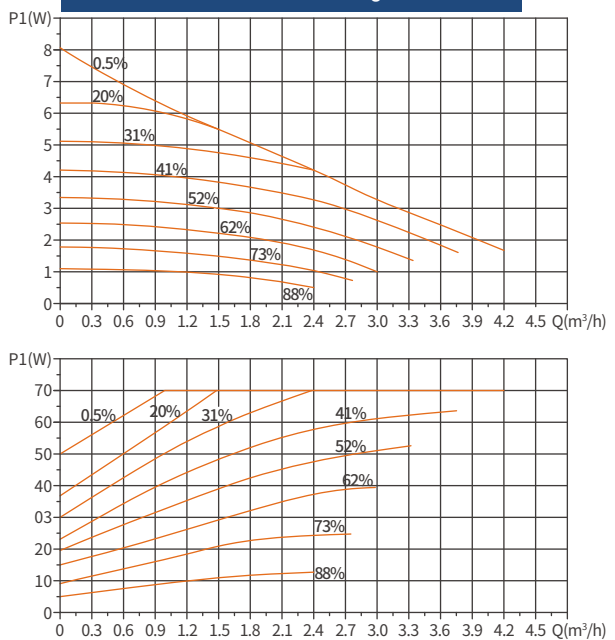
Performance curve under PWM signal control



SPAXX-8 II Performance curves

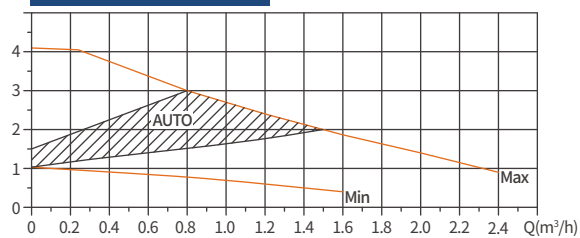


Performance curve under PWM signal control

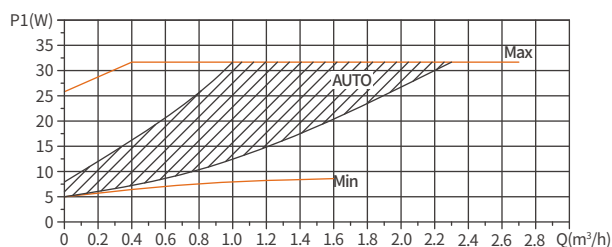
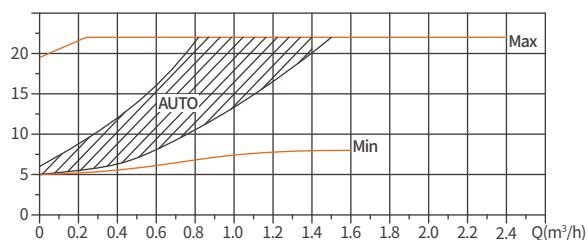
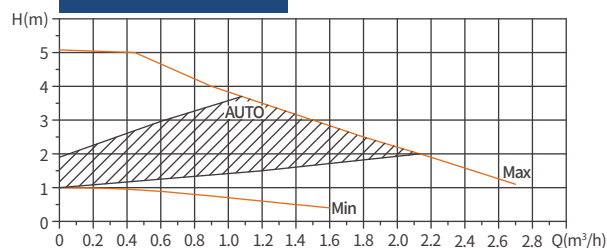


Rotary control model performance curves

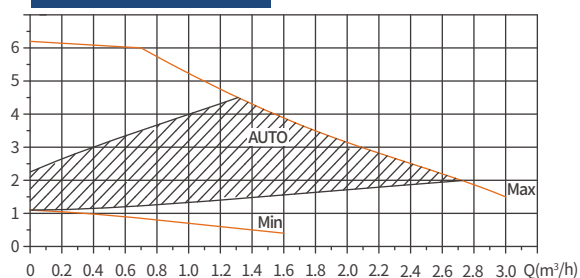
SPAXX-4 II CV+AUTO



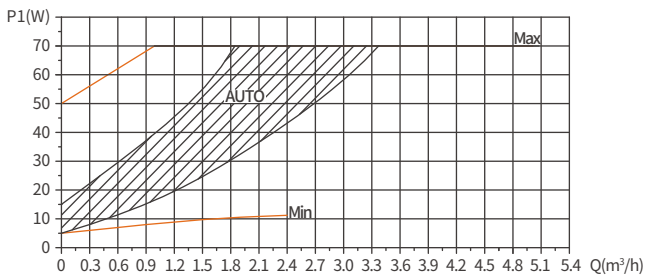
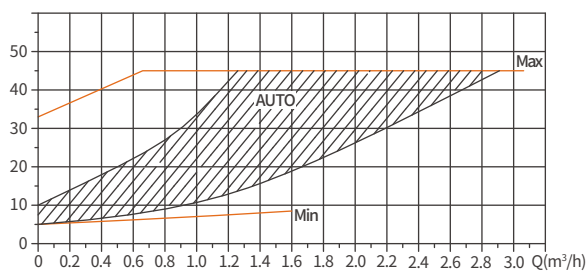
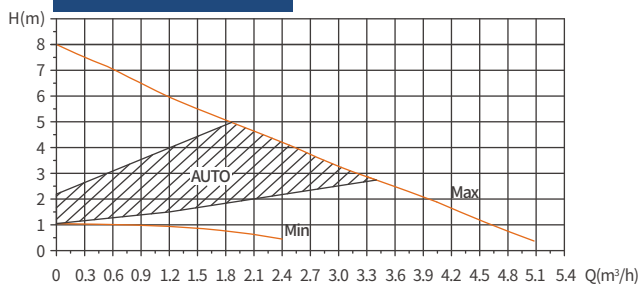
SPAXX-5 II CV+AUTO



SPAXX-6 II CV+AUTO

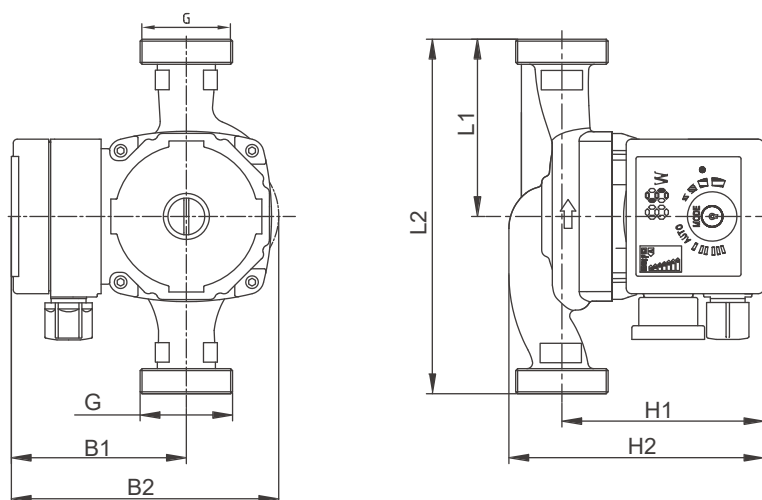


SPAXX-8 II CV+AUTO

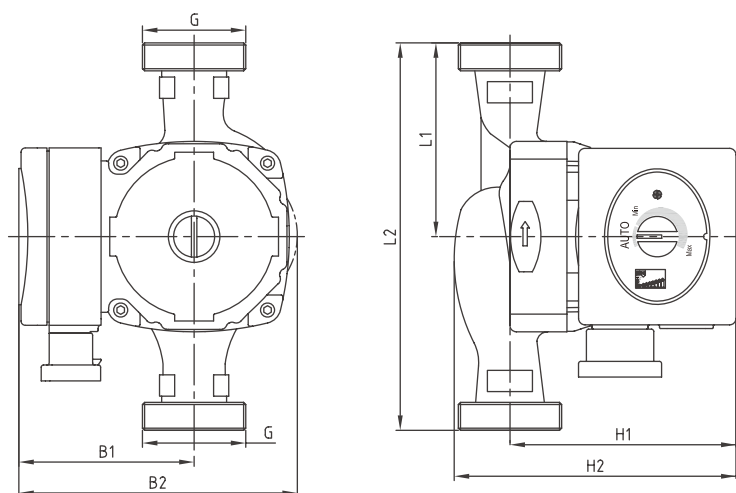


Installation drawing and performance parameter

Button model



Rotary control model



Performance parameter

Power (W)	Model	Max flow (m³/h)	Max Head (m)	Current (A)	Voltage/ Frequency (230V 50Hz/60Hz)	Pump body material				Dimensions								Package size (mm*mm*mm)		Wt.(kg)	
						Cast iron	Plastic	Brass	Stainless steel	L1	L2	B1	B2	H1	H2	G	Inner box	G.W.	N.W.		
22	SPA20-4 II	2.3	4	0.19						65	130	82	130	103	127	1"	155x140x165	2.4	1.9		
	SPA25-4 II	2.5							65	130	82	130	103	130	11/2"	155x140x165	2.9	2.1			
									75	150	82	130	103	130		200x165x155	3.1	2.3			
									90	180	82	130	103	130		200x165x155	3.2	2.4			
	SPA32-4 II	3.0							90	180	82	130	102	132	2"	200x165x155	3.5	2.5			
32	SPA20-5 II	2.5	5	0.27						65	130	82	130	103	127	1"	155x140x165	2.4	1.9		
	SPA25-5 II	3.0							65	130	82	130	103	130	11/2"	155x140x165	2.9	2.1			
									75	150	82	130	103	130		200x165x155	3.1	2.3			
									90	180	82	130	103	130		200x165x155	3.2	2.4			
	SPA32-5 II	3.5							90	180	82	130	102	132	2"	200x165x155	3.5	2.5			
45	SPA20-6 II	2.8	6	0.38						65	130	82	130	103	127	1"	155x140x165	2.4	1.9		
	SPA25-6 II	3.2							65	130	82	130	103	130	11/2"	155x140x165	2.9	2.1			
									75	150	82	130	103	130		200x165x155	3.1	2.3			
									90	180	82	130	103	130		200x165x155	3.2	2.4			
	SPA32-6 II	4.0							90	180	83	130	102	132	2"	200x165x155	3.5	2.5			
70	SPA20-8 II	3.4	8	0.52						65	130	88	136	103	127	1"	155x140x165	2.9	2.1		
	SPA25-8 II	4.0							65	130	88	136	103	130	11/2"	155x140x165	2.9	2.1			
									75	150	88	136	103	130		200x165x155	3.1	2.3			
									90	180	88	136	103	130		200x165x155	3.2	2.4			
	SPA32-8 II	5.0							90	180	88	136	102	132	2"	200x165x155	3.5	2.5			

SPA II BL

Applications

1. Domestic heating and hot water supply systems
2. Air and ground source heat pump systems
3. Air-conditioning systems
4. Industrial hot water circulation systems
5. Solar thermal system

Features and benefits

Easy installation and operation

Equipped with Self Adapting mode AUTO (default setting), pump runs once the power is connected and adapts its performance according to actual system needs.

Low noise and high comfort

Noise index: ≤42dB(A)

Low energy consumption

A class energy efficiency, lowest power consumption up to 5W.

Multiple protection

With over-voltage and over-current protection

Eco-Design Benchmark

EEI≤0.20-Part 2

Quick release power plug

Start-up and stop the pump quickly.

Product photo and control modes

Running lights

Switch between AUTO and Min-Max with button



Product photo and control modes



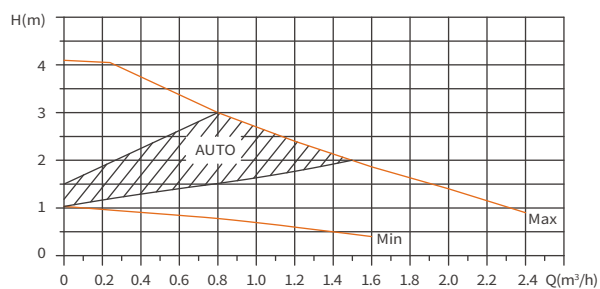
Technical parameter

Technical data

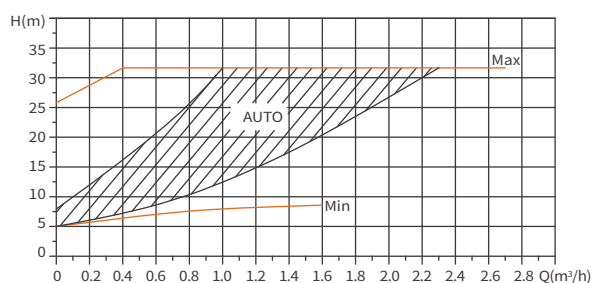
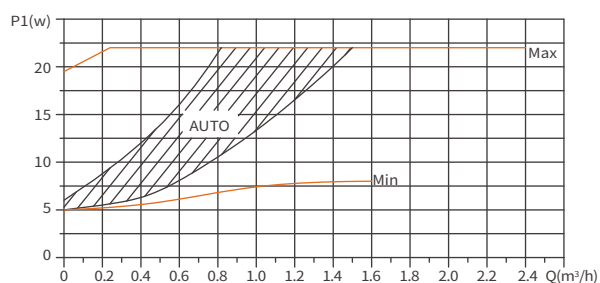
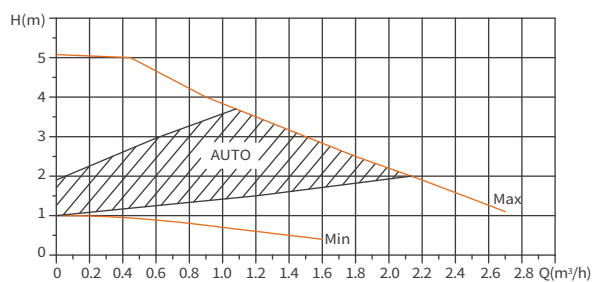
Power supply voltage	220-240V 50/60Hz, protective earth
Motor protection	The pump needs no external protection
IP class	IP44
Insulation class	H
(RH) Humidity	Max. 95%
System pressure	1.0 MPa
Compliance	CE/ GS/ EMC/ LVD/RoHS/REACH
Environment temperature	0~+40°C
Temperature class	TF110
Liquid temperature	-30~+110°C(Glycol up to 50%)

Performance curves

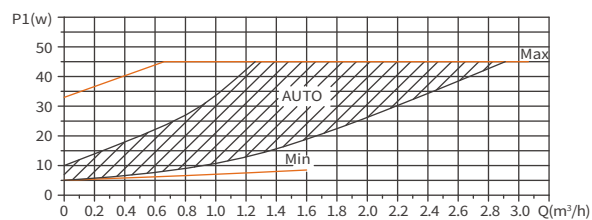
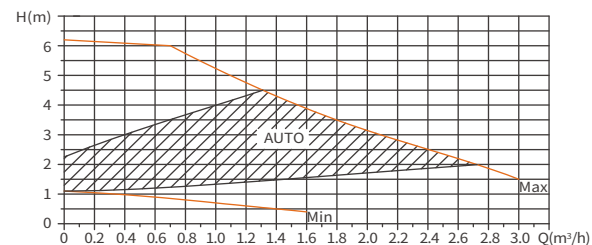
Performance SPA××-4 II BL Series



Performance SPA××-5 II BL Series

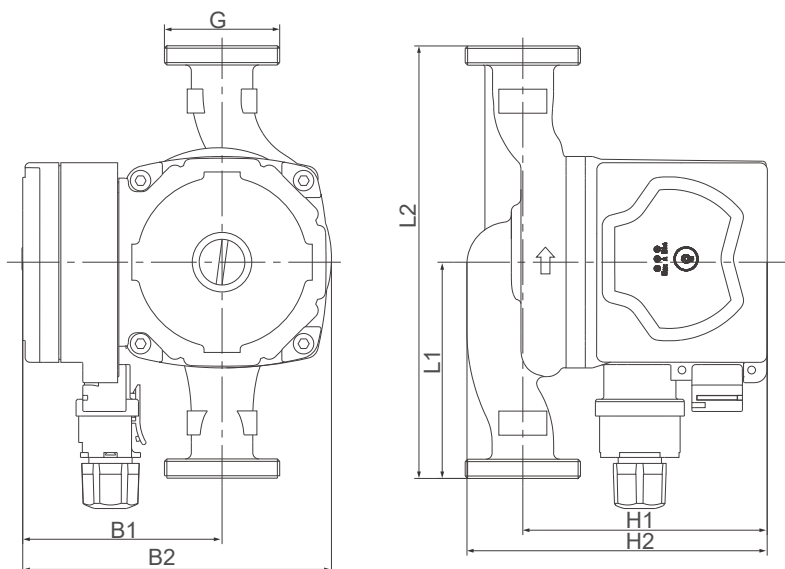


Performance SPA××-6 II BL Series



Installation drawing and performance parameter

Installation drawing



Performance parameter

Power (W)	Model	Max Flow (m³/h)	Max Head (m)	Current (A)	Voltage/ Frequency		Pump body material				Dimensions							Package size (mm*mm*mm)			Wt.(kg)	
					230V	50/60Hz	Cast iron	Plastic	Brass	Stainless steel	L1	L2	B1	B2	H1	H2	G	Inner box		G.W.	N.W.	
22	SPA20-4II BL	2.3	4	0.19						65	130	82	130	103	127	1"	155x140x165	2.4	1.9			
		65								130	82	130	103	130	11/2"	155x140x165	2.9	2.1				
		75								150	82	130	103	130		200x165x155	3.1	2.3				
		90								180	82	130	103	130		200x165x155	3.2	2.4				
	SPA32-4II BL	3.0													90	180	82	130	102	132	2"	200x165x155
32	SPA20-5II BL	2.5	5	0.27						65	130	82	130	103	127	1"	155x140x165	2.4	1.9			
		65								130	82	130	103	130	11/2"	155x140x165	2.9	2.1				
		75								150	82	130	103	130		200x165x155	3.1	2.3				
		90								180	82	130	103	130		200x165x155	3.2	2.4				
	SPA32-5II BL	3.5													90	180	82	130	102	132	2"	200x165x155
45	SPA20-6II BL	2.8	6	0.38						65	130	82	130	103	127	1"	155x140x165	2.4	1.9			
		65								130	82	130	103	130	11/2"	155x140x165	2.9	2.1				
		75								150	82	130	103	130		200x165x155	3.1	2.3				
		90								180	82	130	103	130		200x165x155	3.2	2.4				
	SPA32-6II BL	4.0													90	180	82	130	102	132	2"	200x165x155

SPA III

Applications

1. Domestic heating and hot water supply systems
2. Air and ground source heat pump systems
3. Air-conditioning systems
4. Industrial hot water circulation systems
5. Solar thermal system

Features and benefits

Easy installation and operation

Equipped with Self Adapting mode AUTO (default setting), pump runs once the power is connected and adapts its performance according to actual system needs.

Control is effected by digital pulse-width modulation (PWM) low-voltage signal, enabling the pump to be used to meet different flow requirement in various systems.

Low noise and high comfort

Noise index: $\leq 42\text{dB(A)}$

Low energy consumption

A class energy efficiency, lowest power consumption up to 5W.

Multiple protection

With over-voltage and over-current protection

Eco-Design Benchmark

EEI ≤ 0.20 -Part 2

Quick release power plug

Start-up and stop the pump quickly.



Product photo and control modes



Press button to switch between different control modes.
(HS1, HS2, HS3, AUTO, BL1, BL2, BL3, HD1, HD2, HD3)

Lighting area	Performance curv	As shown in the figure
Factory settings	Highest to Lowest Proportional Pressure Curve	
HS1	Velocity I	
HS2	Velocity II	
HS3	Velocity III	
BL1	Lowest Proportional Pressure Curve	
BL2	Intermediate Proportional Pressure Curve	
BL3	Highest Proportiona Pressure Curve	
HD1	Lowest Constant Pressure Curve	
HD2	Intermediate Constant Pressure Curve	
HD3	Highest Constant Pressure Curve	
PWM	Duty cycle and rotational velocity curve	

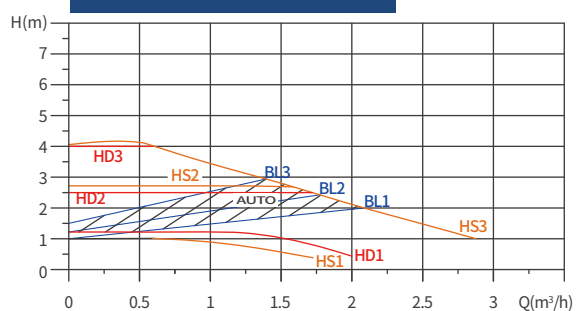
Technical parameter

Technical data

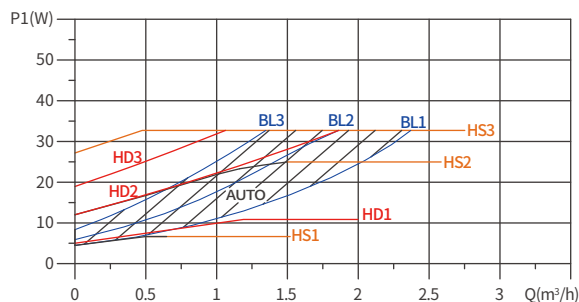
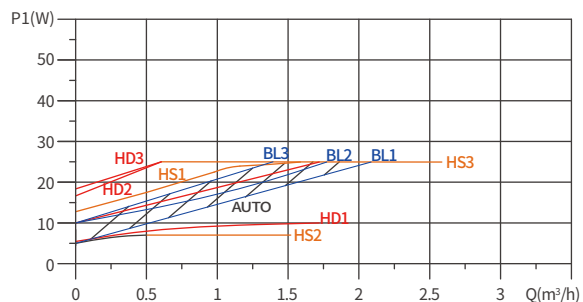
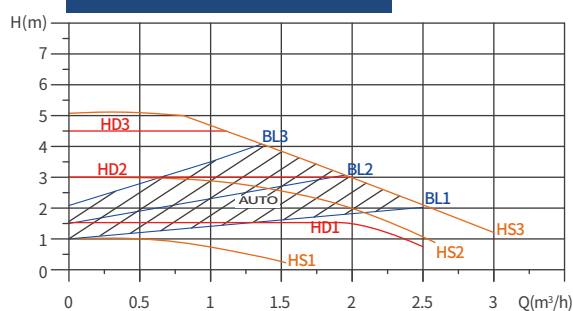
Power supply voltage	220-240V 50/60Hz, protective earth
Motor protection	No external protection required
IP class	IP44
Insulation class	H
Humidity (RH)	Max 95%
System pressure	1.0 MPa
Compliance	CE/ GS/ EMC/ LVD/RoHS/REACH
Environment temperature	0~+70°C
Temperature class	TF110
Liquid temperature	-30~+110°C(Glycol up to 50%)

Performance curves

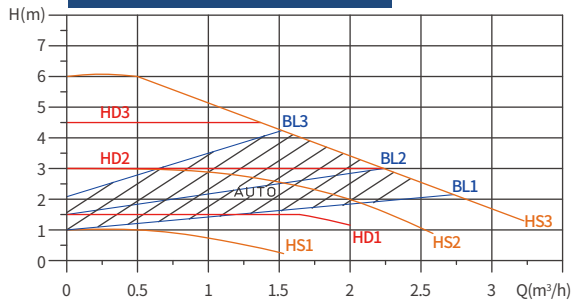
SPAXX-4 III Performance curves



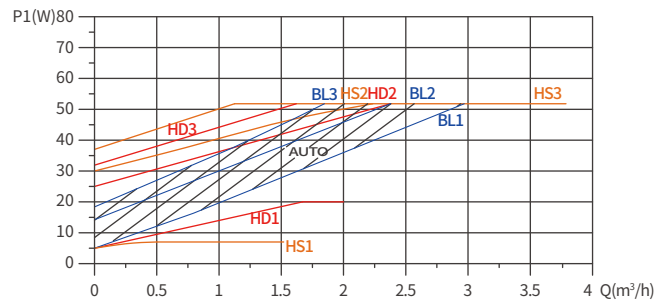
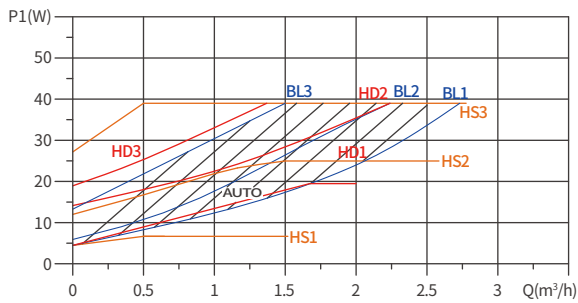
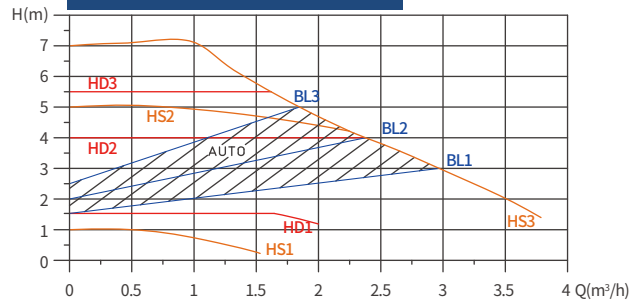
SPAXX-5 III Performance curves



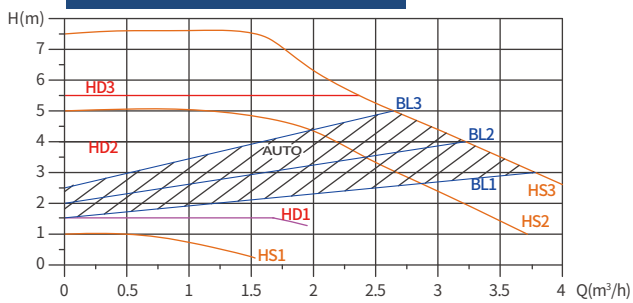
SPAXX-6 III Performance curves



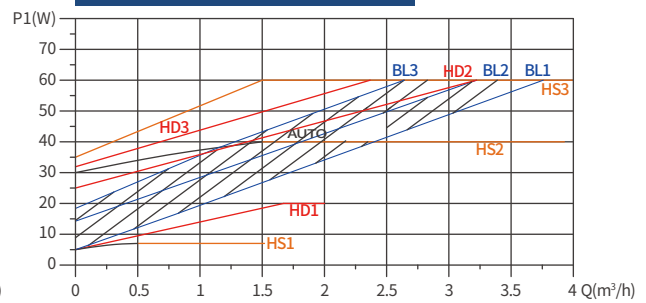
SPAXX-7 III Performance curves



SPAXX-7.5 III Performance curves

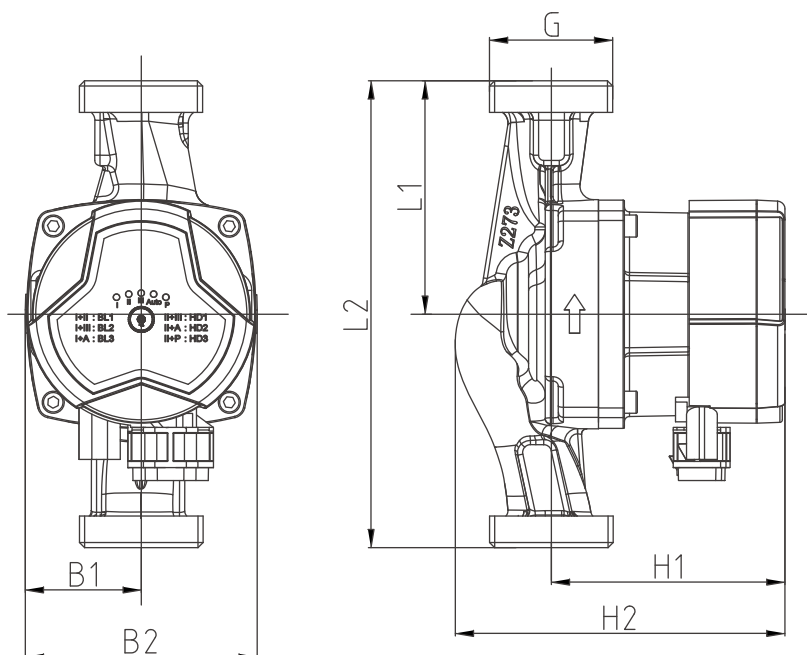


SPAXX-7.5 III Performance curves



Installation drawing and performance parameter

Installation drawing



Performance parameter

Power (W)	Model	Max. Flow (m³/h)	Max. Head (m)	Amps (A)	V/Hz	Material of pump housing					Dimension(mm)							Package size (mm*mm*mm)		Wt.(kg)	
						230V	50/60Hz	Cast Iron	Plastic	Copper	Stainless Steel	L1	L2	B1	B2	H1	H2	G	Inner box	G.W.	N.W.
25	SPA20-4 III	2.2	4	0.25		●	●	●	●	●	65	130	45	90	94	122	1"	155x140x165	2.1	1.6	
	SPA25-4 III	2.5				●	●	●	●	65	130	45	90	90	127	11/2"	155x140x165	2.3	1.8		
	SPA32-4 III	2.8				●	●	●	●	90	180	45	90	90	127	2"	200x165x155	2.5	1.9		
	SPA20-5 III	2.3				●	●	●	●	65	130	45	90	94	122	1"	155x140x165	2.1	1.6		
33	SPA25-5 III	2.8	5	0.30		●	●	●	●	●	65	130	45	90	90	127	11/2"	155x140x165	2.3	1.8	
	SPA32-5 III	3.2				●	●	●	●	90	180	45	90	90	127	2"	200x165x155	2.5	1.9		
	SPA20-6 III	2.8				●	●	●	●	65	130	45	90	94	122	1"	155x140x165	2.1	1.6		
	SPA25-6 III	3.2				●	●	●	●	65	130	45	90	90	127	11/2"	155x140x165	2.3	1.8		
39	SPA32-6 III	3.6	6	0.35		●	●	●	●	●	90	180	45	90	90	127	2"	200x165x155	2.9	2.0	
	SPA20-7 III	2.8				●	●	●	●	65	130	45	90	94	122	1"	155x140x165	2.1	1.6		
	SPA25-7 III	3.4				●	●	●	●	65	130	45	90	90	127	11/2"	155x140x165	2.3	1.8		
	SPA32-7 III	3.8				●	●	●	●	90	180	45	90	90	127	2"	200x165x155	2.9	2.0		
52	SPA20-7.5 III	2.8	7	0.45		●	●	●	●	●	65	130	45	90	94	122	1"	155x140x165	2.1	1.6	
	SPA25-7.5 III	3.4				●	●	●	●	65	130	45	90	90	127	11/2"	155x140x165	2.3	1.8		
	SPA32-7.5 III	3.8				●	●	●	●	90	180	45	90	90	127	2"	200x165x155	2.5	1.9		
	SPA20-7 III	2.8				●	●	●	●	65	130	45	90	94	122	1"	155x140x165	2.1	1.6		
60	SPA25-7 III	3.4	7.5	0.50		●	●	●	●	●	65	130	45	90	90	127	11/2"	155x140x165	2.3	1.8	
	SPA32-7 III	3.8				●	●	●	●	90	180	45	90	90	127	2"	200x165x155	2.5	1.9		
	SPA20-7.5 III	2.8				●	●	●	●	65	130	45	90	94	122	1"	155x140x165	2.1	1.6		
	SPA25-7.5 III	3.4				●	●	●	●	65	130	45	90	90	127	11/2"	155x140x165	2.3	1.8		
60	SPA32-7.5 III	3.8	7.5	0.50		●	●	●	●	●	90	180	45	90	90	127	2"	20x16.5x15.5	2.9	2.0	
	SPA20-7.5 III	2.8				●	●	●	●	65	130	45	90	94	122	1"	155x140x165	2.1	1.6		
	SPA25-7.5 III	3.4				●	●	●	●	65	130	45	90	90	127	11/2"	155x140x165	2.3	1.8		
	SPA32-7.5 III	3.8				●	●	●	●	90	180	45	90	90	127	2"	20x16.5x15.5	2.9	2.0		

SPA IV

Applications

1. Domestic heating and hot water supply systems
2. Air and ground source heat pump systems
3. Air-conditioning systems
4. Industrial hot water circulation systems
5. Solar thermal system

Features and benefits

Easy installation and operation

Equipped with Self Adapting mode AUTO (default setting), pump runs once the power is connected and adapts its performance according to actual system needs.

Control is effected by digital pulse-width modulation (PWM) low-voltage signal, enabling the pump to be used to meet different flow requirement in various systems.

Low noise and high comfort

Noise index: $\leq 42\text{dB(A)}$

Low energy consumption

A class energy efficiency, lowest power consumption up to 6W.

Multiple protection

With over-voltage and over-current protection

Eco-Design Benchmark

$\text{EEI} \leq 0.23\text{-Part 2}$

Quick release power plug

Start-up and stop the pump quickly.



Product photo and control modes



Setting	Performance curve
AUTO (factory setting)	Running within Defined Range
BL	Proportional Pressure Curve
HD	Constant Pressure Curve
HS	Constant Speed Curve

- Press button to switch between different control modes and increase or decrease the setting with the buttons on left and right side.

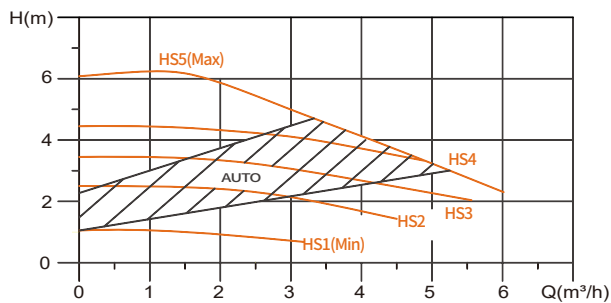
Technical parameter

Technical data

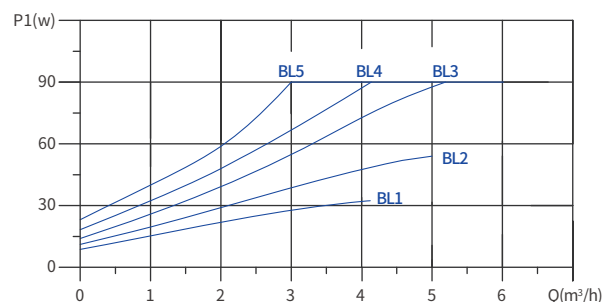
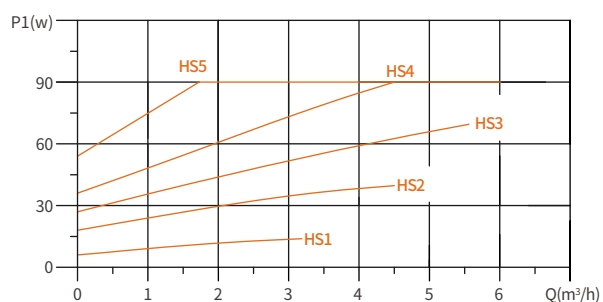
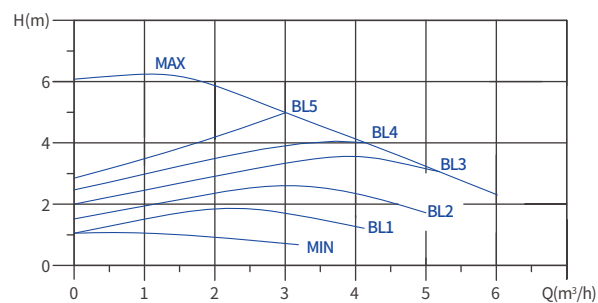
Power supply voltage	220-240V 50/60Hz, protective earth
Motor protection	No external protection required
IP class	IP42
Insulation class	H
(RH) Humidity	Max. 95%
System pressure	1.0 MPa
Compliance	CE/ GS/ EMC/ LVD/RoHS/REACH
Environment temperature	0~+40°C
Temperature class	TF110
Liquid temperature	-30~+110°C(Glycol up to 50%)

Performance curves

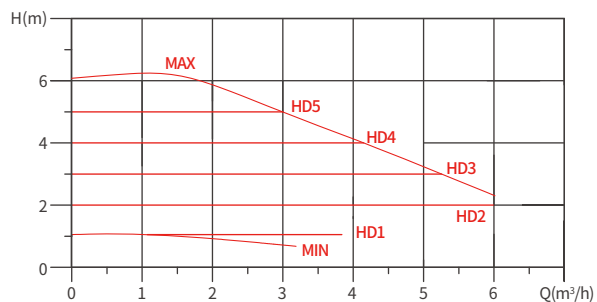
SPAXX-6 IV Performance curves (HS+AUTO)



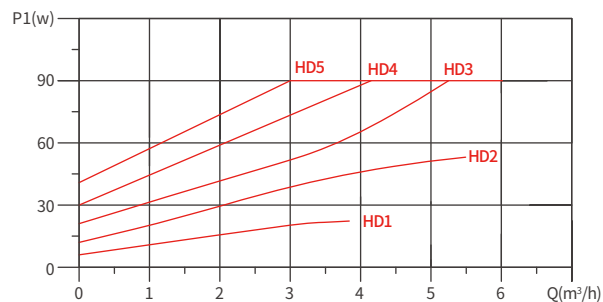
SPAXX-6 IV Performance curves (BL)



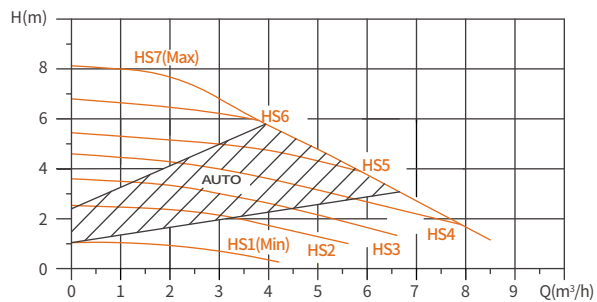
SPAXX-6 IV Performance curves (HD)



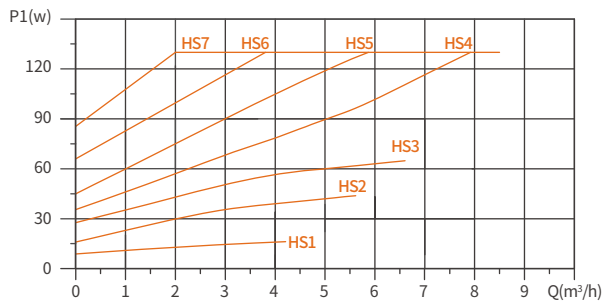
SPAXX-6 IV Performance curves (HD)



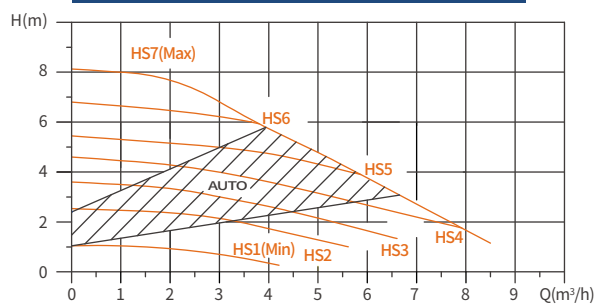
SPAXX-8 IV Performance curves (HS+AUTO)



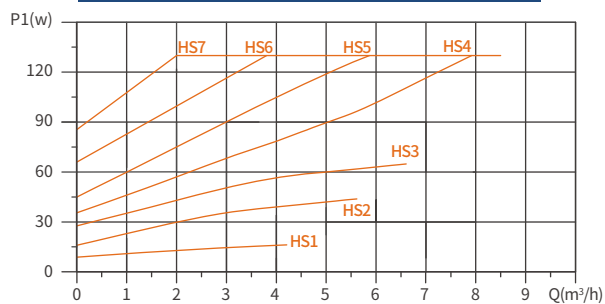
SPAXX-8 IV Performance curves (HS+AUTO)



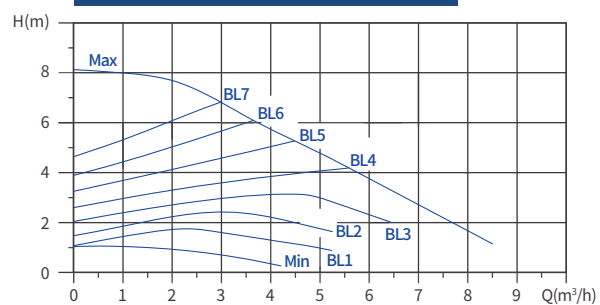
SPAXX-8 IV Performance curves (HS+AUTO)



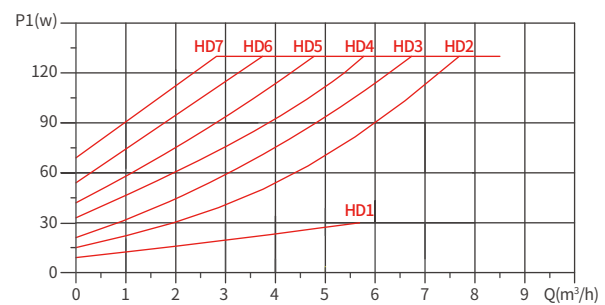
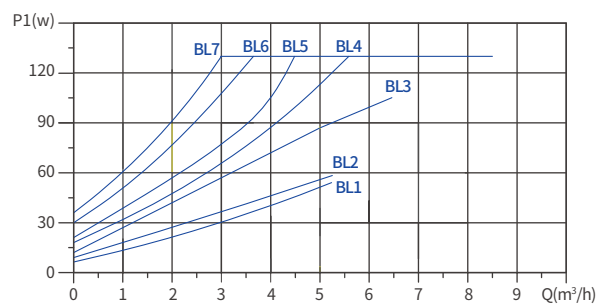
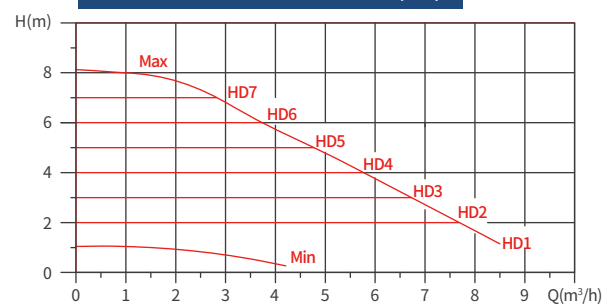
SPAXX-8 IV Performance curves (HS+AUTO)



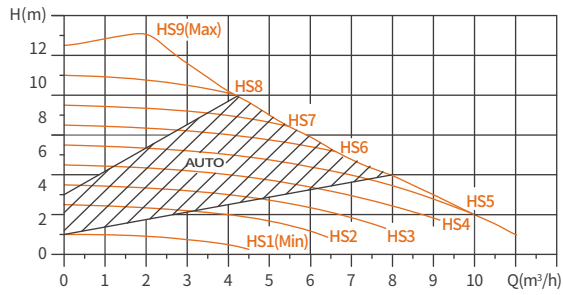
SPAXX-8 IV Performance curves (BL)



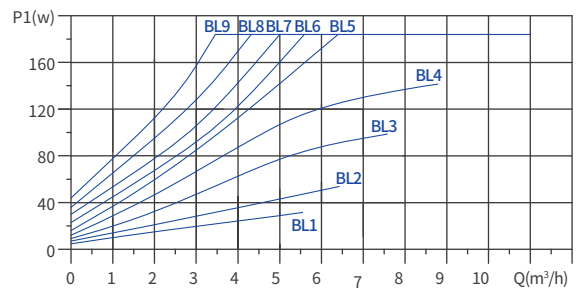
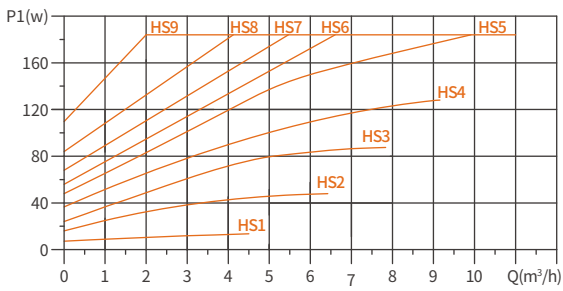
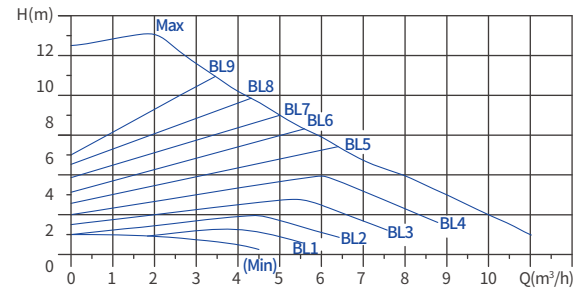
SPAXX-8 IV Performance curves (HD)



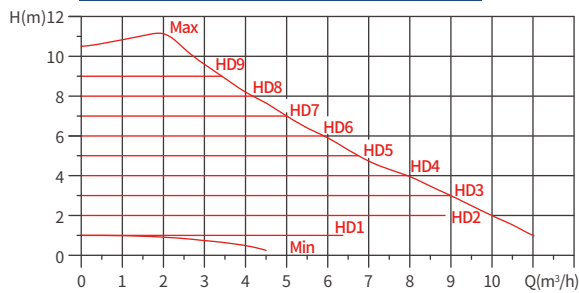
SPAXX-10 IV Performance curves (HS+AUTO)



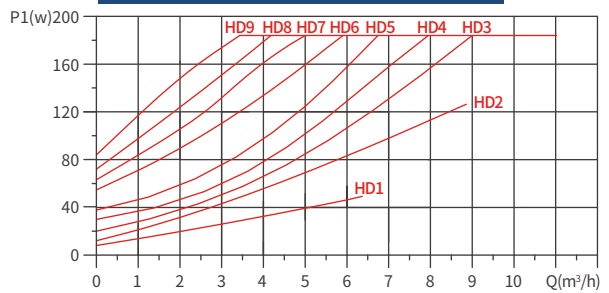
SPAXX-10 IV Performance curves (BL)



SPAXX-10 IV Performance curves (HD)

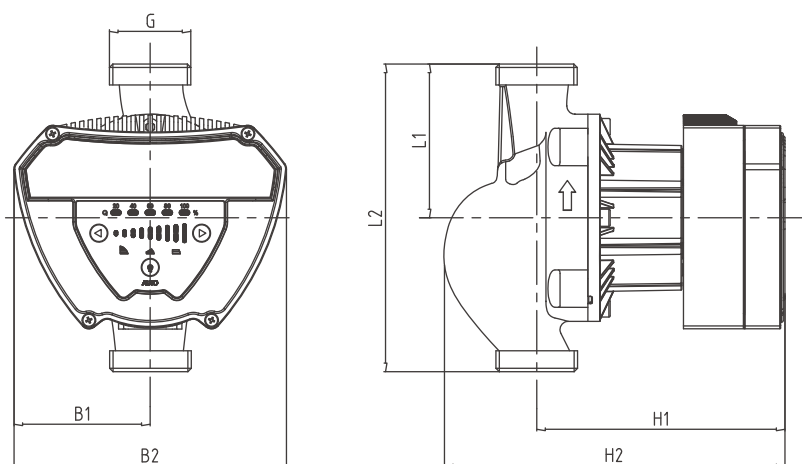


SPAXX-10 IV Performance curves (HD)



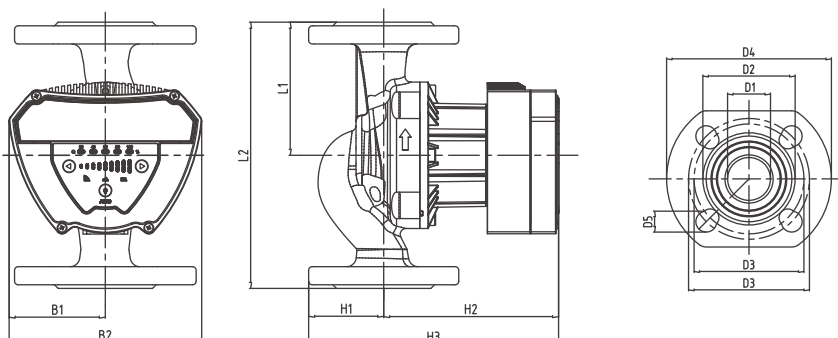
Installation drawing and performance parameter

Installation drawing - SPA IV (DN/DN32)



Model	Material of pump body		Dimension(mm)							Package size (mm*mm*mm)	Wt.(kg)	
	Cast iron	Stainless Steel	L1	L2	B1	B1	H1	H1	G	Inner box	G.W.	N.W.
SPA25-6 IV	●	●	90	180	80	160	140	199	11/2"	235x180x200	5.0	4.5
SPA32-6 IV	●		90	180	80	160	140	199	2"	235x180x200	5.5	5.0
SPA25-8 IV	●	●	90	180	80	160	140	199	11/2"	235x180x200	5.0	4.5
SPA32-8 IV	●		90	180	80	160	140	199	2"	235x180x200	5.5	5.0
SPA25-10 IV	●	●	90	180	80	160	140	199	11/2"	235x180x200	5.0	4.5
SPA32-10 IV	●		90	180	80	160	140	199	2"	235x180x200	5.5	5.0

Installation drawing - SPA F IV (DN40)



Model	Pump body material	Dimensions												Package size (mm*mm*mm)	Wt.(kg)	
	Cast iron	L1	L2	B1	B2	H1	H2	H3	D1	D2	D3	D4	D5	Inner box	G.W.	N.W.
SPA40-6F IV	●	110	220	80	160	62	144	206	40	84	100/110	150	19	245x210x245	10.0	7.6
SPA40-8F IV	●	110	220	80	160	62	144	206	40	84	100/110	150	19	245x210x245	10.0	7.6
SPA40-10F IV	●	110	220	80	160	62	144	206	40	84	100/110	150	19	245x210x245	10.0	7.6

Performance parameter

Model	Max. Flow (m³/h)	Max. Head (m)	Power(W)		Current(A)		Voltage/Frequency (V/Hz)
			Min.	Max.	Min.	Max.	
SPA25-6 IV	5.5	6	6	90	0.06	0.63	230V AC 50/60Hz
SPA25-8 IV	6.5	8	8	130	0.08	0.9	
SPA25-10 IV	7	10	10	185	0.1	1.25	
SPA25-6N IV	5.5	6	6	90	0.06	0.63	230V AC 50/60Hz
SPA25-8N IV	6.5	8	8	130	0.08	0.9	
SPA25-10N IV	7	10	10	185	0.1	1.25	
SPA32-6 IV	6.5	6	6	90	0.06	0.63	230V AC 50/60Hz
SPA32-8 IV	8	8	8	130	0.08	0.9	
SPA32-10 IV	10	10	10	185	0.1	1.25	
SPA40-6F IV	7.5	6	6	90	0.06	0.63	230V AC 50/60Hz
SPA40-8F IV	8.5	8	8	130	0.08	0.9	
SPA40-10F IV	10	10	10	185	0.1	1.25	

SPA XX-11

Applications

1. Domestic heating and hot water supply systems
2. Air and ground source heat pump systems
3. Air-conditioning systems
4. Industrial hot water circulation systems
5. Solar thermal system

Features and benefits

Easy installation and operation

Equipped with Self Adapting mode AUTO (default setting), pump runs once the power is connected and adapts its performance according to actual system needs. Control is effected by digital pulse-width modulation (PWM) low-voltage signal, enabling the pump to be used to meet different flow requirement in various systems.

Low noise and high comfort

Noise index: $\leq 42\text{dB(A)}$

Low energy consumption

A class energy efficiency, lowest power consumption up to 5W.

Multiple protection

With over-voltage and over-current protection

Eco-Design Benchmark

EEI ≤ 0.23 -Part 2

Quick release power plug

Start-up and stop the pump quickly.



Product photo and control modes



Press button to switch between different control modes.
(HS1, HS2, HS3, AUTO, BL1, BL2, BL3, HD1, HD2, HD3)

Lighting area	Pesrformance Curve	As shown in the figure
Factory settings	Highest to Lowest Proportional Pressure Curve	
HS1	Velocity I	
HS2	Velocity II	
HS3	Velocity III	
BL1	Lowest Proportional Pressure Curve	
BL2	Intermediate Proportional Pressure Curve	
BL3	Highest Proportional Pressure Curve	
HD1	Lowest Constant Pressure Curve	
HD2	Intermediate Constant Pressure Curve	
HD3	Highest Constant Pressure Curve	
PWM	Duty cycle and rotational velocity curve	

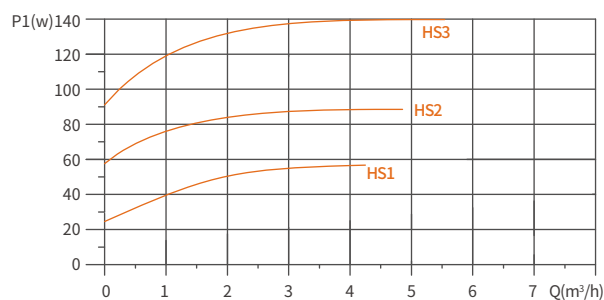
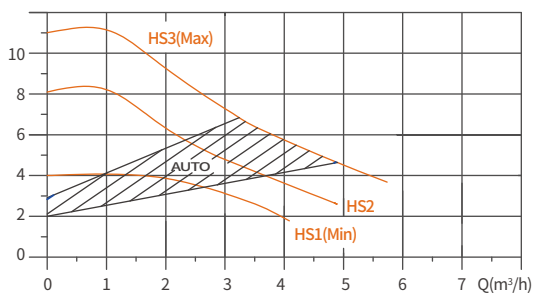
Technical parameter

Technical data

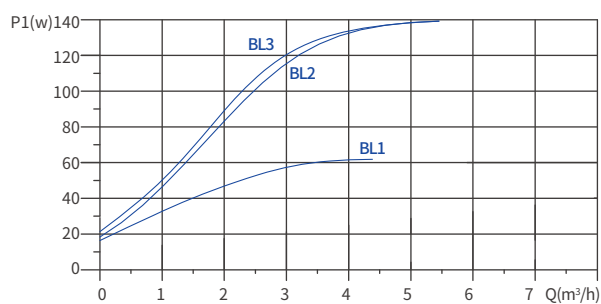
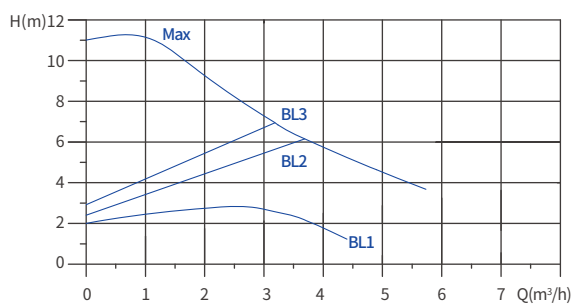
Power supply voltage	220-240V 50/60Hz, protective earth
Motor protection	No external protection required
IP class	IP44
Insulation class	H
Humidity (RH)	Max 95%
System pressure	1.0 MPa
Compliance	CE/ GS/ EMC/ LVD/RoHS/REACH
Environment temperature	0~+40°C
Temperature class	TF110
Liquid temperature	-30~+110°C(Glycol up to 50%)

Performance curves

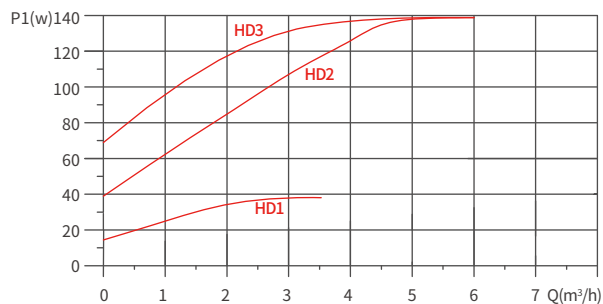
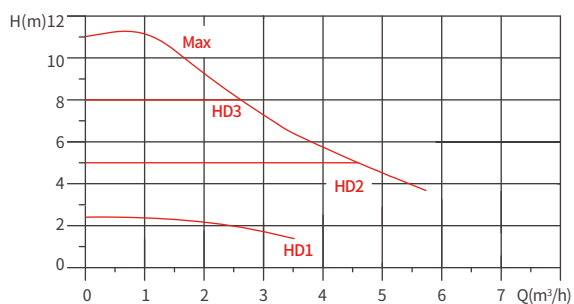
Constant speed mode performance curve



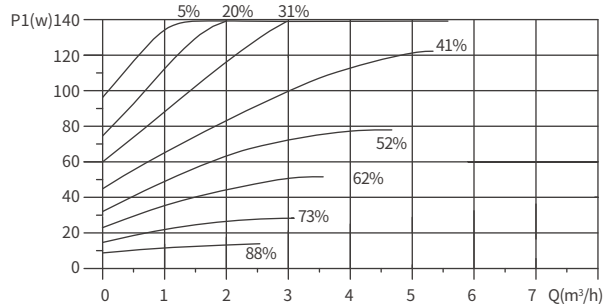
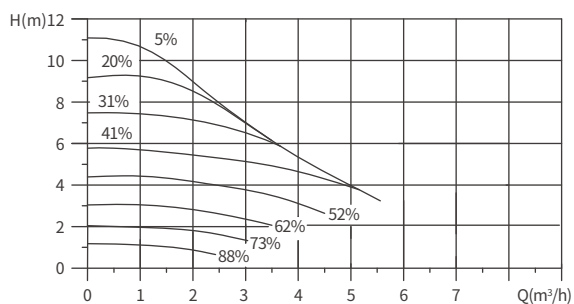
Proportional pressure performance curve



Constant pressure mode performance curve

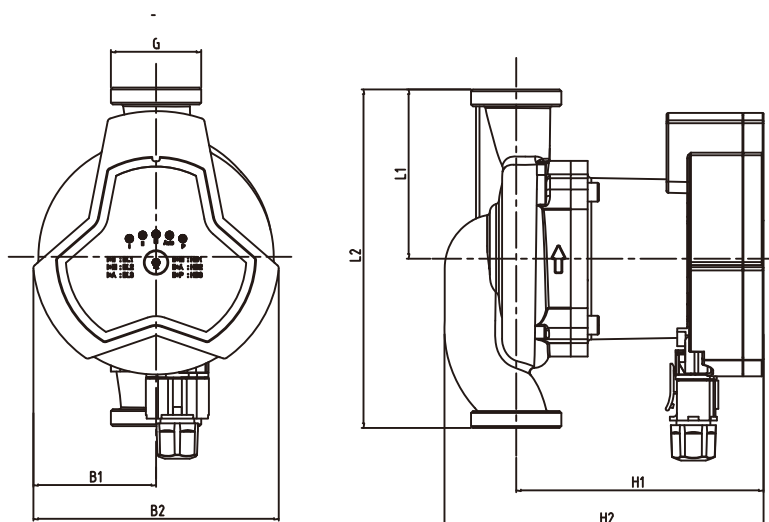


PWM mode performance curve



Installation drawing and performance parameter

Installation drawing



Performance parameter

Power (W)	Model	Max. Flow (m³/h)	Max. Head (m)	Amps (A)	V/Hz	Material	Dimension(mm)							Package size (mmxmmxmm)	Wt.(kg)	
					230V 50/60Hz		L1	L2	B1	B2	H1	H2	G	Inner box	G.W.	N.W.
140	SPA25-11	5.5	11	1.0	●	●	90	180	66	132	132	170	1 1/2"	205x180x190	3.8	3.0
	SPA32-11	7.0	11	1.0	●	●	90	180	66	132	132	170	2"	205x180x190	4.0	3.2

SPA 15-1.5

Applications

1. Domestic heating and hot water supply systems
2. Hot water heater circulation systems

Features and benefits

Easy installation and operation

Equipped with Self Adapting mode AUTO (default setting), pump runs once the power is connected and adapts its performance according to actual system needs.

Equipped with external temperature control, timing and pipeline flushing function.

Low noise and high comfort

Noise index: $\leq 42\text{dB(A)}$

Low energy consumption

Power consumption between 5W and 8W.

Multiple protection

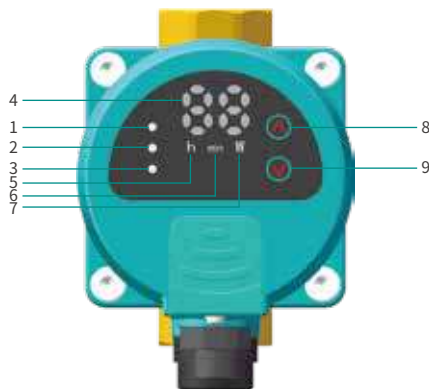
With over-current protection

Quick release power plug

Start-up and stop the pump quickly.



Product photo and control modes



Position	Descriptions
1	Indicating constant speed running mode
2	Indicating Auto operation mode
3	Indicating temperature control mode
4	1. Power indicated 2. running (or stop) time indicated in timing mode
5	Running (or stop) hours set in timing mode for display
6	Running (or stop) minutes set in timing mode for display
7	Power unit shown under normal operation
8	1. Switch on various running modes 2. Increasing time in timing mode
9	Decreasing time in timing mode

◀ Press 8 and 9 button to switch between different control modes.

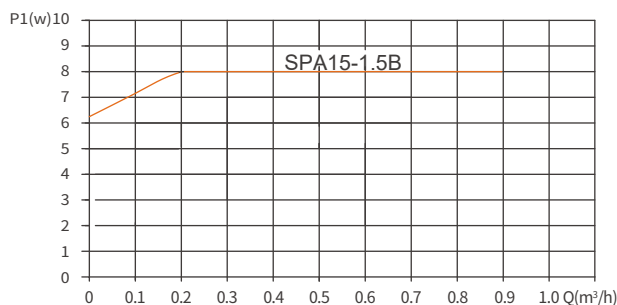
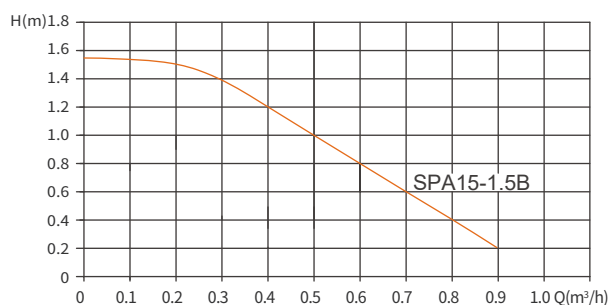
Technical parameter

Technical data

Power supply voltage	220-240V 50/60Hz, protective earth
Motor protection	No external protection required
IP class	IP44
Insulation class	F
Humidity (RH)	Max 95%
System pressure	1.0 MPa
Compliance	CE/ GS/ EMC/ LVD/RoHS/REACH
Environment temperature	0~+40°C
Temperature class	TF95
Liquid temperature	2~+110°C

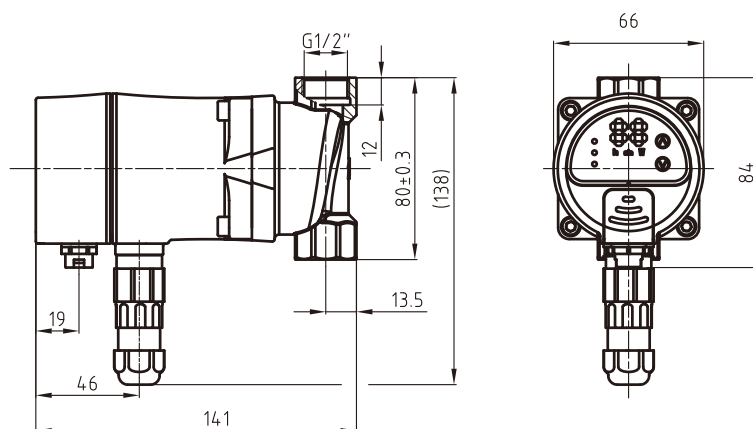
Performance curves

Constant speed mode performance curve



Installation drawing and performance parameter

Installation drawing



Performance parameter

Power (W)	Model	Max. Flow (m³/h)	Power Supply Voltage	Material	Control Mode of Motor Pump					Package size (mmxmmxmm)	Wt.(kg)	
			220-240V, 50/60Hz	Copper	Constant speed running mode	Auto operation mode	Temperature Control mode	Timing mode	Flushing Function	Inner box	G.W.	N.W.
8	SPA15-1.5B	0.9	●	●	●	●	●	●	●	180x115x150	1.2	1.0
5	SPA15-1.5BL	0.7	●	●	●	●	/	/	/	180x115x150	1.2	1.0

SPA 15-1.5 II BL

Applications

1. Domestic heating and hot water supply systems
2. Hot water heater circulation systems

Features and benefits

Easy installation and operation

Equipped with Self Adapting mode AUTO (default setting), pump runs once the power is connected and adapts its performance according to actual system needs.

Equipped with external temperature control, timing and pipeline flushing function.

Low noise and high comfort

Noise index: $\leq 42\text{dB(A)}$

Low energy consumption

Power consumption between 5W and 8W.

Multiple protection

With over-current protection

Quick release power plug

Start-up and stop the pump quickly.



Product photo and control modes



Position	Descriptions
1	Indicating constant speed running mode

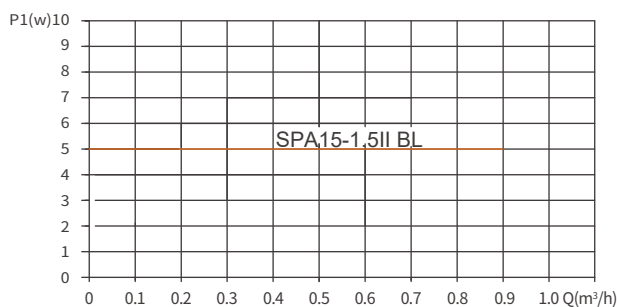
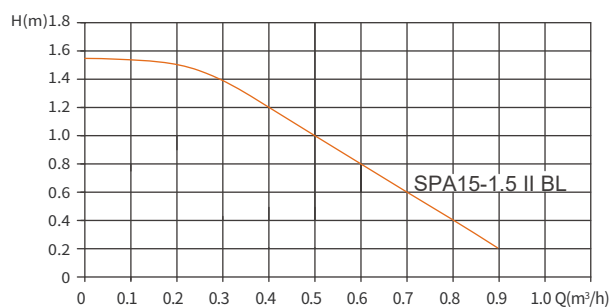
Technical parameter

Technical data

Power supply voltage	220-240V 50/60Hz, protective earth
Motor protection	No external protection required
IP class	IP44
Insulation class	F
Humidity (RH)	Max 95%
System pressure	1.0 MPa
Compliance	CE/ GS/ EMC/ LVD/RoHS/REACH
Environment temperature	0~+40°C
Temperature class	TF110
Liquid temperature	2~+110°C

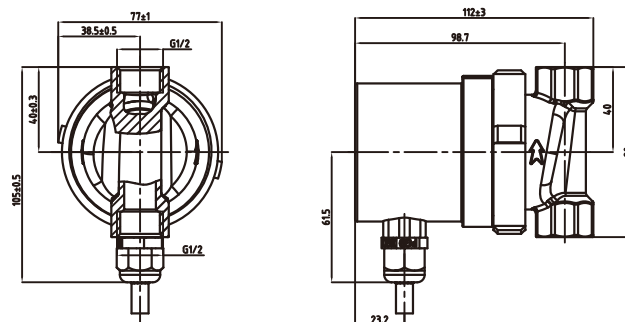
Performance curves

Constant speed mode performance curve



Installation drawing and performance parameter

Installation drawing



Performance parameter

Power (W)	Model	Max. Flow (m³/h)	Power Supply Voltage	Material	Control Mode of Motor Pump					Package size (mmxmmxmm)	Wt.(kg)	
			220-240V, 50/60Hz	Copper	Constant speed running mode	Auto operation mode	Temperature Control mode	Timing mode	Flushing Function	Inner box	G.W.	N.W.
5	SPA15-1.5IIBL	0.9	●	●	●	/	/	/	/	180x115x150	1.2	1.0



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