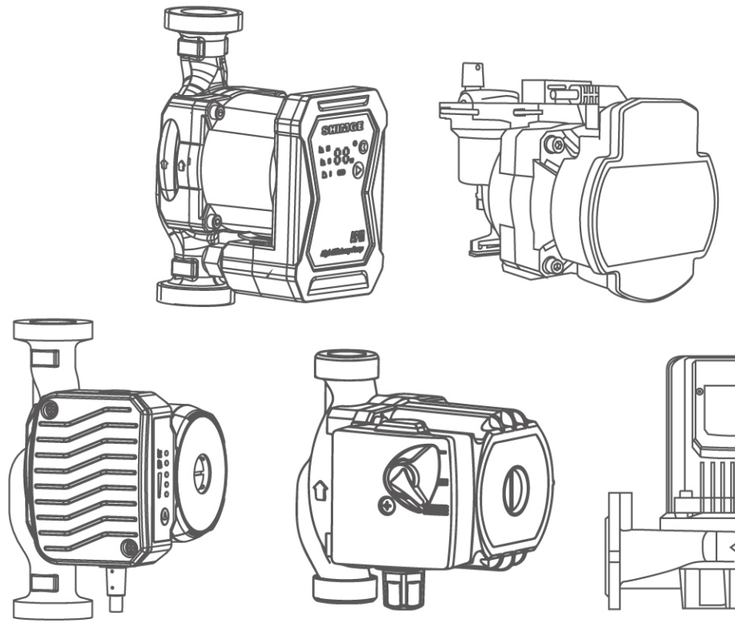
VER. 202406

Circulation Pump

50HZ/60HZ

SHIMGE PUMP (JIANGSU) CO.,LTD.



SHIMGE® for better life

SHIMGE PUMP (JIANGSU) CO.,LTD.

Add: Ruisheng Road 1#. Economical development Zone. Shuyang City. Jiangsu Province.China
http: www.shimgepump.com
Tel: 0527-83960086
Email: admin@shimge.com

SHIMGE® for better life

Shimge's headquarter in Wenling, Zhejiang Province

Company Profile

Established in 1984 and headquartered in Daxi Town, Wenling City, Zhejiang Province—a town with flourishing pump industry, Shimge Pump Industry (Zhejiang) Co., Ltd. is a limited liability company specialized in producing various kinds of pumps and control equipment. For over three decades, Shimge Pump Industry has been committed to technical researches, manufacturing and marketing of all kinds of pumps and control equipment, as well as providing first-class pumps and water treatment system solutions for the world.

Based on keen market insight, the company developed the “screw pump" in 1987, which filled the gap in the domestic market at that time. Due to its excellent quality, Shimge soon stood out in the industry, and started its journey as a legendary brand in China’s pump industry. The company was once successfully listed in the A-share market in Shenzhen Stock Exchange on December 31, 2010 (stock code: 002532. According to the development strategy of the company, it was delisted in the form of asset reorganization and completed privatization in July 2020`). Currently, the company has 8 major brands, 14 product series with more than 2,000 specifications, and 13 holding subsidiaries, becoming a real leading brand in China’s pump industry.

Shimge's production base in HangZhou, Wenling, Zhejiang Province

Shimge's production base in SanChiku, Wenling, Zhejiang Province

Shimge's casting parts production base in JiangSu Province

Shimge's casting production base in JiangXi Province

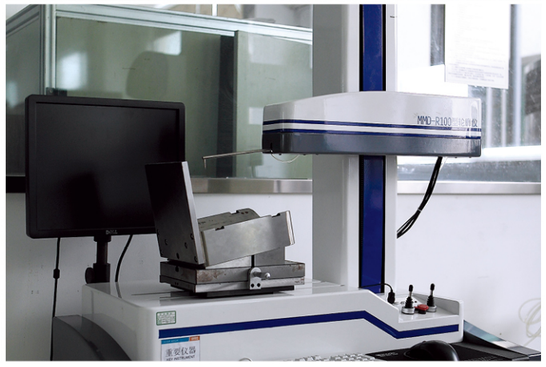
Shimge's casting production base in JiangSu Province

Strict Quality Control

FOR BETTER LIFE

Since its establishment, Shimge has always actively promoted comprehensive “lean" quality and environment management, and has currently passed ISO9001, ISO14001 and OHSAS18001 certification, introduced excellent performance management in line with GB/T 19580 and established a sound quality assurance system.





SHIMGE has equipped an industry-leading physicochemical testing center,and its delivery performance inspection platform has reached a precision of grade B (grade 1) in the evaluation conducted by an authoritative agency.In addition, its products have passed GS, CE and UL certification, and met the specifications of the RoHS Directive.



CONTENTS

SHIMGE for better life

High Efficiency Circulation Pump

Hot Water Re-Circulation Pump

Time Fixed Temperature Circulation Pump

Boiler Circulation Pump

Three Speed Circulation Pumps

Automatic Pressurizing Pumps

Single Speed Circulation Pump

Hot Water Circulation Pumps

01

High Efficiency circulation pump

APM4/6m | APM8/10/12m

APM-A | APM-T | APM-H | APM-9S | APF | APF-A

APF-E | APE | APE-S | APE-T | BPE

APM4&6m

Application Limits

- Liquid temperature: 2°C~110°C
- Maximum ambient temperature +40°C
- Maximum system pressure 10bar
- Protection level: IP42
- Mains connection: 230V; 50Hz/60Hz
- Insulation class: F
- Pumped liquid characteristics: clean liquid, free from solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water
- Installation: the motor shaft must be kept in horizontal direction
- PH: 6.5 to 8.5

Certificate

CE TÜV GS

EEI≤0.2

Performance Range

Max. Flow: 3m³/h
Max. Head: 6m

Features

- Class A energy efficiency, EEI≤0.20
- Permanent magnet motor - intelligent frequency conversion control
- Real-time power display
- Compact design, easy setup and operation
- Low working noise
- Shielded motor, no risk of leakage

Model Description

APM 20 - 6 - 130

- 130 — Distance between Inlet and Outlet(mm)
- 6 — Max. Head (m)
- 20 — Inlet and Outlet diameter(mm)
- APM — Intelligent frequency converter circulation type

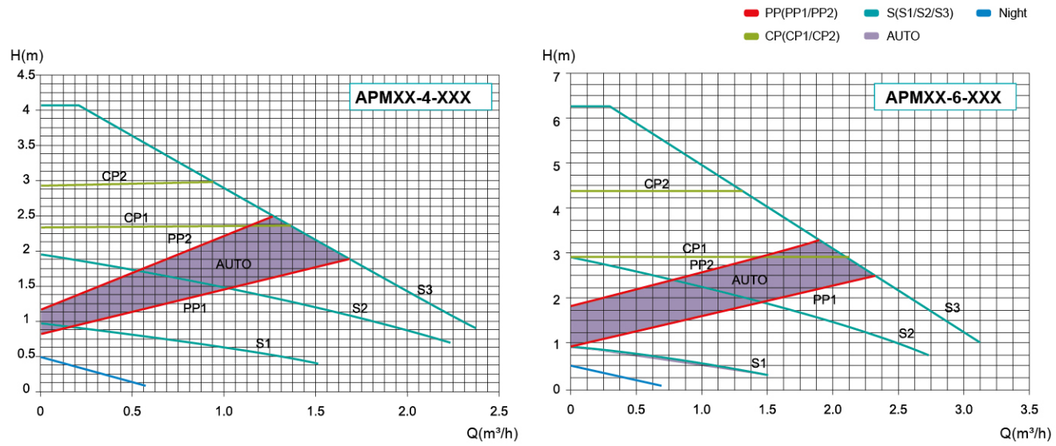
Control modes

- Proportional Pressure Mode (PP)
- Constant Pressure Mode (CP)
- Constant Speed Mode (S)
- AUTO Mode
- Night-setback mode

Applications Fields

- All Hot-water Heating Systems
- Air Conditioning Systems
- Industrial Circulation Systems

Performance Curve

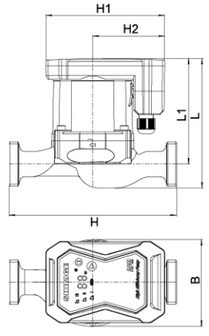


Eiectrical And Hydraulic Data

Model	Pipe Distance (mm)	Electrical Data			Max.head	Max. Flow
		Voltage	P1(W)	Current(A)	(m)	(m³/h)
APM20-4-130	130	230V-50HZ/60HZ	22	0.25	4	2.5
APM20-6-130			38	0.31	6	3
APM25-4-130	130		22	0.25	4	2.5
APM25-6-130			38	0.31	6	3
APM25-4-180	180		22	0.25	4	2.5
APM25-6-180			38	0.31	6	3
APM32-4-180	180		22	0.25	4	2.5
APM32-6-180			38	0.31	6	3

Dimensions

4&6m



Dimensions

Model	Dimensions						Inner Box		Outer Box		
	L	B	H	H1	G	Unions	G.W (kg)	Dim(L×W×H) (mm)	PCS/CTN	Dim(L×W×H) (mm)	G.W (kg)
APM20-4-130	133	95	130	128	G1"	G1"~G¾"	2.4	200×145×175	4	420×310×195	10.5
APM20-6-130											
APM25-4-130	138	95	130	128	G1 1/2"	G1 ½"-G1"	2.7	200×145×175	4	420×310×195	11.5
APM25-6-130											
APM25-4-180	138	95	180	128	G1 1/2"	G1 ½"-G1"	3	200×145×175	4	420×310×195	12.5
APM25-6-180											
APM32-4-180	143	95	180	128	G2"	G2"~G1¼"	3.5	200×145×175	4	420×310×195	14.5
APM32-6-180											

APM8&10&12m

EEI≤0.23

8&10m

12m

Application Limits

- Liquid temperature: 2°C~ 110°C
- Maximum ambient temperature +40°C
- Maximum system pressure 10bar
- Protection level: IP42
- Mains connection: 230V; 50Hz/60Hz
- Insulation class: F
- Pumped liquid characteristics: clean liquid, free from solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water
- Installation: the motor shaft must be kept in horizontal direction
- PH: 6.5 to 8.5

Certificate

Performance Range

Max. Flow: 10m³/h
Max. Head: 12m

Features

- Class A energy efficiency, EEI≤0.23
- Permanent magnet motor-intelligent frequency control
- Real-time power display
- Compact design, easy to set up and operate
- Low working noise
- Shielded motor, no risk of leakage

Model Description

APM 25 - 8 - 180

- 180: Distance between Inlet and Outlet(mm)
- 8: Max. Head (m)
- 25: Inlet and Outlet diameter(mm)
- APM: Intelligent frequency converter circulation type

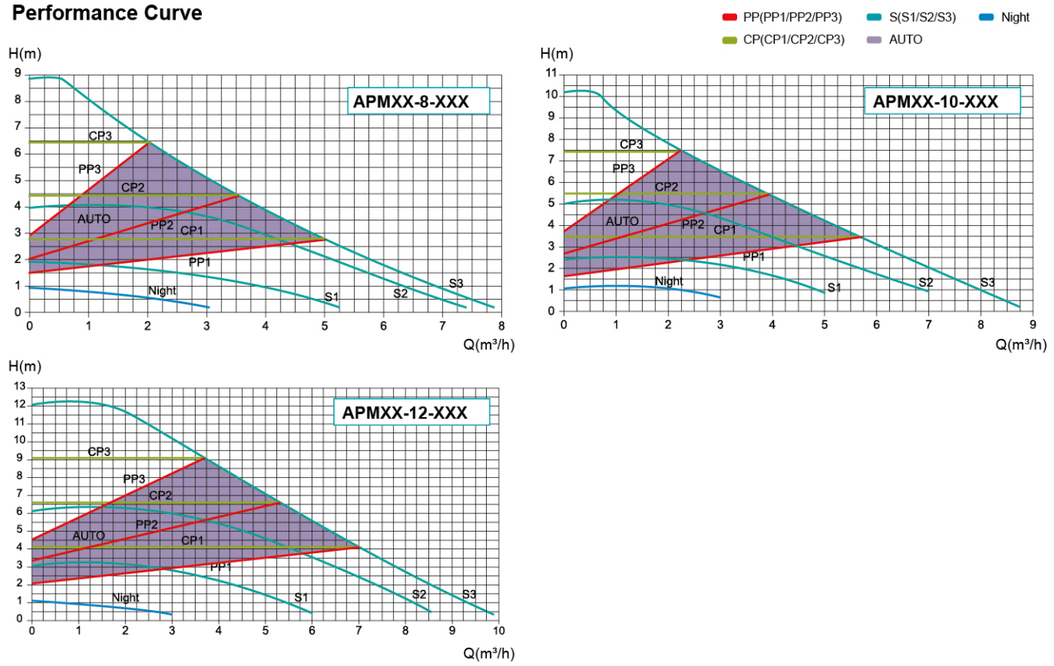
Control modes

- Proportional Pressure Mode (PP)
- Constant Pressure Mode (CP)
- Constant Speed Mode (S)
- AUTO Mode
- Night-setback mode

Applications Fields

- All Hot-water Heating Systems
- Air Conditioning Systems
- Industrial Circulation Systems

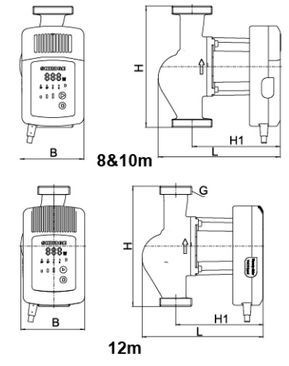
Performance Curve



Eiectrical And Hydraulic Data

Model	Pipe Distance (mm)	Electrical Data			Max.head	Max. Flow
		Voltage	P1(W)	Current(A)	(m)	(m³/h)
APM25-8-180	180	230V-50HZ/60HZ	80	0.72	8	8
APM32-8-180			80	0.72	8	8
APM25-10-180	180		120	1.08	10	9
APM32-10-180			120	1.08	10	9
APM25-12-180	180		180	1.55	12	10
APM32-12-180			180	1.55	12	10

Dimensions



8&10m

12m

Dimensions

Model	Dimensions						Inner Box		Outer Box		
	H	B	L	H1	G	Unions	G.W (kg)	Dim(L×W×H) (mm)	PCS/CTN	Dim(L×W×H) (mm)	G.W (kg)
APM25-8-180	180	95	182	131	G1½"	G1½"-G1"	3.5	225×165×210	4	470×350×230	14
APM25-10-180											
APM25-12-180							3.75				15
APM32-8-180	180	95	182	131	G2"	G2"-G1¼"	4	225×165×210	4	470×350×230	16
APM32-10-180											
APM32-12-180							4.1				16.5

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APM-A

4&6m EEI≤0.2

8m EEI≤0.21

Application Limits

- Medium temperature: 2°C~110 °C
- Ambient temperature: 0°C~40 °C
- Maximum system pressure: 1.0MPa (10bar)
- Protection grade: IP44
- Thermal classification: F
- Voltage / frequency: 230V, 50 / 60Hz
- Suitable medium: Clean water without particles, mineral oil, non-toxic and neutral PH
- Installation method: The motor shaft is installed along the horizontal direction

Certificate

Performance Range

Max. Flow: 4.8m³/h
Max. Head: 8m

Features

- Compact design, easy to set up and operate
- Quick-plug cable connector for safe and easy connection
- Class A energy efficiency, EEI≤0.21
- Real-time power display
- Automatic exhaust function
- Low working noise
- Shielded motor, no risk of leakage

Model Description

APM 25 - 6 - 130 A

- A: Intelligent frequency converter circulation type
- 25: Inlet and Outlet diameter(mm)
- 6: Max. Head (m)
- 130: Distance between Inlet and Outlet(mm)
- Shimge feature code

Control modes

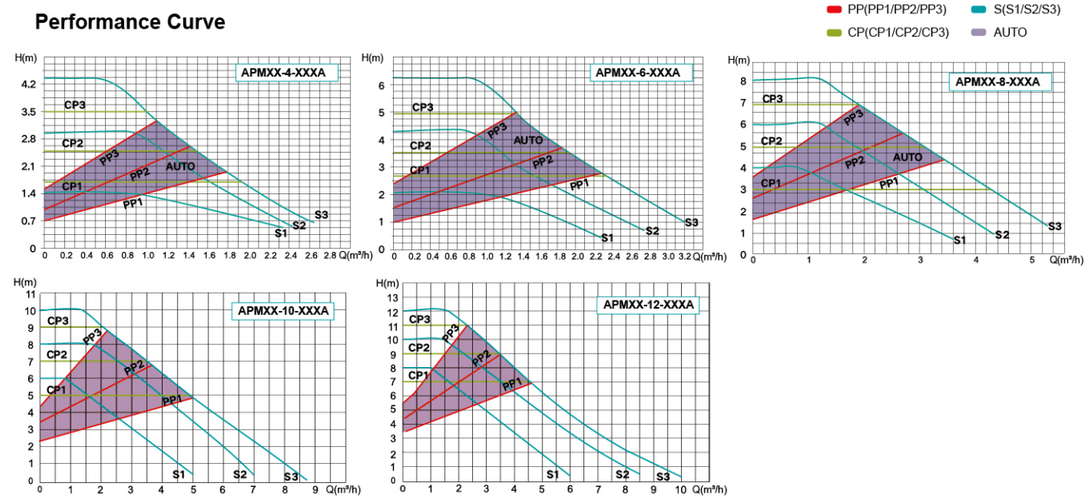
- Proportional Pressure Mode (PP)
- Constant Pressure Mode (CP)
- Constant Speed Mode (S)
- AUTO Mode

Applications Fields

- All Hot-water Heating Systems
- Air Conditioning Systems
- Industrial Circulation Systems

SHIMGE for better life

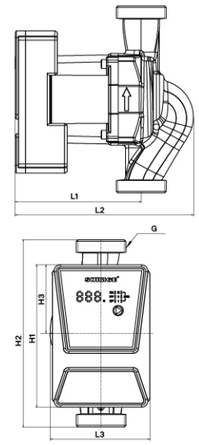
Performance Curve



Eiectrical And Hydraulic Data

Model	Electrical Data			Max.head	Max. Flow
	Voltage	P1(W)	Current(A)	(m)	(m³/h)
APM20-4-130A	230V-50HZ/60HZ	25	0.3	4	2.2
APM25-4-130A					2.5
APM25-4-180A					2.5
APM32-4-180A					2.9
APM20-6-130A		45	0.5	6	2.4
APM25-6-130A					3.2
APM25-6-180A					3.2
APM32-6-180A					3.6
APM25-8-130A		90	0.75	8	4.3
APM25-8-180A					4.3
APM32-8-180A					4.8
APM25-10-180A		140	1.1	10	9.0
APM25-12-180A					9.0
APM32-10-180A		180	1.4	12	10.0
APM32-12-180A					10.0

Dimensions

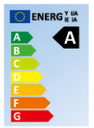


Dimensions

Model	Dimensions								Inner Box		Outer Box		
	L1	L2	L3	H1	H2	H3	G	Unions	G.W (kg)	Dim(L×W×H) (mm)	PCS/CTN	Dim(L×W×H) (mm)	G.W (kg)
APM20-4-130A	93	126	86	114	130	62	G1	G1"-G¾"	1.4	170×135×90	8	360×290×200	12
APM20-6-130A													
APM25-4-130A							G1½	G1½"-G1"	1.5	170×135×90	8	360×290×200	16
APM25-6-130A													
APM25-4-180A					180				1.9	200×130×95	8	420×280×210	15.5
APM25-6-180A													
APM32-4-180A							G2	G2"-G1¼"	1.8	200×130×95	8	420×280×210	21
APM32-6-180A													
APM25-8-130A	107	142	94	130	130	52	G1½	G1½"-G1"	2.2	200×150×110	8	420×320×240	22.4
APM25-8-180A					180			G1½"-G1"	2.4				24
APM32-8-180A					180		G2	G2"-G1¼"	2.8				29.6
APM25-10-180A	121	171.5	96	137	180	66	G1½	G1½"-G1"	3.7	225×165×210	4	470×350×230	15.2
APM25-12-180A							G1½	G1½"-G1"	3.7				15.2
APM32-10-180A							G2	G2"-G1¼"	4.1				16.8
APM32-12-180A							G2	G2"-G1¼"	4.1				16.8

SHIMGE for better life

APM-T



Application Limits

- Medium temperature: 2°C ~ 110 °C
- Ambient temperature: 0°C ~ 40°C
- Maximum system pressure: 1.0MPa (10bar)
- Protection grade: IP44
- Thermal classification: F
- Voltage / frequency: 230V, 50 / 60Hz
- Suitable medium: Clean water without particles, mineral oil, non-toxic and neutral PH
- Installation method: The motor shaft is installed along the horizontal direction

Certificate

4&6m EEI≤0.2
8m EEI≤0.21

Performance Range

Max. Flow: 4m³/h
Max. Head: 8m

Features

- Compact design, easy to set up and operate
- Quick-plug cable connector for safe and easy connection
- Class A energy efficiency
- Automatic exhaust function
- Low working noise
- Shielded motor, no risk of leakage

Model Description

APM 25 - 6 - 130 T

- T: Shimge feature code
- 130: Distance between Inlet and Outlet(mm)
- 6: Max. Head (m)
- 25: Inlet and Outlet diameter(mm)
- APM: Intelligent frequency converter circulation type

Control modes

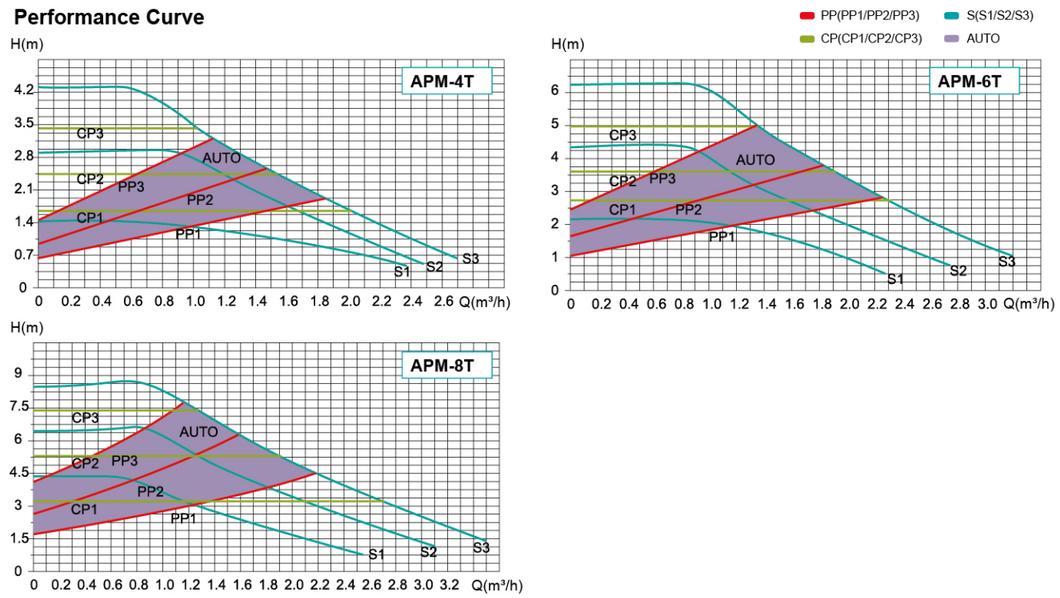
- Proportional Pressure Mode (PP)
- Constant Pressure Mode (CP)
- Constant Speed Mode (S)
- AUTO Mode

Applications Fields

- All Hot-water Heating Systems
- Air Conditioning Systems
- Industrial Circulation Systems

SHIMGE for better life

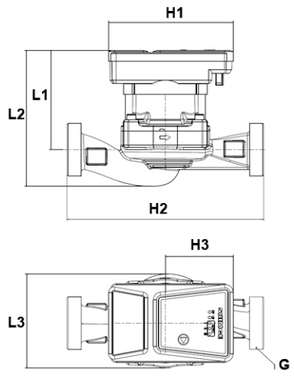
Performance Curve



Eiectrical And Hydraulic Data

Model	Electrical Data			Max.head	Max. Flow
	Voltage	P1(W)	Current(A)	(m)	(m³/h)
APM20-4-130T	230V-50HZ/60HZ	25	0.3	4	2.2
APM25-4-130T					2.5
APM25-4-180T					2.5
APM32-4-180T					2.9
APM20-6-130T		45	0.5	6	2.4
APM25-6-130T					3.2
APM25-6-180T					3.2
APM32-6-180T					3.6
APM20-8-130T		65	0.65	8	2.9
APM25-8-130T					3.4
APM25-8-180T					3.6
APM32-8-180T					4

Dimensions



Dimensions

Model	Dim.(mm)								Inner Box		Outer Box		
	L1	L2	L3	H1	H2	H3	G	Unions	G.W (kg)	Dim(L×W×H) (mm)	PCS/CTN	Dim(L×W×H) (mm)	G.W (kg)
APM20-4-130T	93	126	86	114	130	62	G1	G1"-G¾"	1.8	170×135×90	8	360×290×200	12
APM20-6-130T													
APM20-8-130T													
APM25-4-130T							G 1½	G1½"-G1"	2	170×135×90	8	360×290×200	16
APM25-6-130T													
APM25-8-130T													
APM25-4-180T					180				2.4	200×130×95	8	420×280×210	15.5
APM25-6-180T													
APM25-8-180T													
APM32-4-180T							G2	G2"-G1¼"	2.5	200×130×95	8	420×280×210	21
APM32-6-180T													
APM32-8-180T													

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APM-H

Application Limits

- Medium temperature: 0°C-+95 °C
- Ambient temperature: -20°C - +40°C
- Maximum system pressure: 1.0MPa (10bar)
- Protection grade: IP44
- Voltage / frequency: 230V, 50 / 60Hz
- Thermal classification: F
- Medium characteristics: clean, free of solid and mineral oil, non-toxic, chemically neutral, close to water characteristics

EEI≤0.23

Performance Range

Max. Flow: 10m³/h
Max. Head: 12m

Features

- Compact design, easy to set up and operate
- Quick-plug cable connector for safe and easy connection
- Class A energy efficiency, EEI≤0.23
- Low working noise
- Shielded motor, no risk of leakage
- Large flow, wide application scenarios
- Anti-condensation, high insulation proof

Model Description

APM 25 - 12 - 180 H

- H — Shimge feature code
- 180 — Distance between Inlet and Outlet(mm)
- 12 — Max. Head (m)
- 25 — Inlet and Outlet diameter(mm)
- APM — Intelligent frequency converter circulation type

Control modes

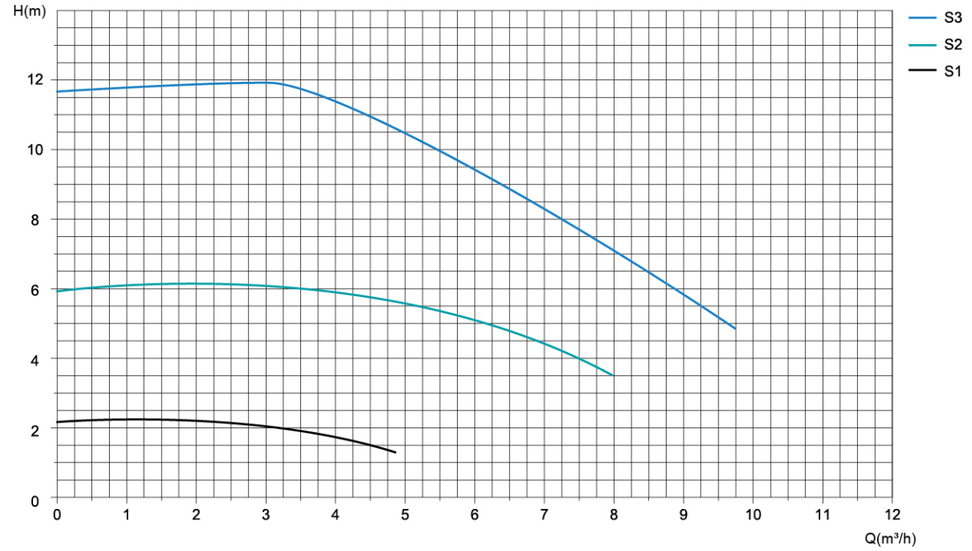
- Proportional Pressure Mode (PP)
- Constant Pressure Mode (CP)
- Constant Speed Mode (S)
- PWM control optional

Applications Fields

- All Hot-water Heating Systems
- Air Conditioning Systems
- Industrial Circulation Systems

SHIMGE for better life

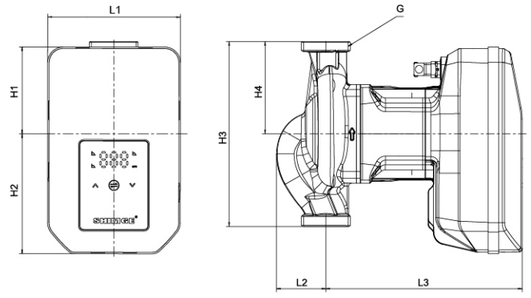
Performance Curve



Eiectrical And Hydraulic Data

Model	Voltage	Speed	Input Power (W)	Current (A)	Max. Head (m)	Max. Flow (m³/h)
APM25-12-180H	230V-50HZ/60Hz	S1	320	1.6	12	10
		S2	200	/	6	8
		S1	55	/	2	5
APM32-12-180H		S3	320	1.6	12	10
		S2	200	/	6	8
		S1	55	/	2	5

Dimensions



Model	Dim(mm)									Inner Box		Outer Box		
	L1	L2	L3	H1	H2	H3	H4	G	Unions	G.W (kg)	Dim(L×W×H) (mm)	PCS/CTN	Dim(L×W×H) (mm)	G.W (kg)
APM25-12-180H	129 ±1	48 ±1	191 ±3	85 ±1	117 ±1	180 ±0.5	90 ±0.5	G1½"	G1½"-G1"	5	255x185x230	4	530x390x250	21
APM32-12-180H								G2"	G2"-G1¼"	6				25

APM-9S

Application Limits

- Medium temp:-0°C~+95°C
- Ambient temp:-25°C~+55°C
- Maxsystem pressure:1.0MPa(10bar)@
- Protection class:IP44
- Rated voltage/frequency: 230V/50,230V/60Hz
- Thermal classification: F
- In order to avoid cavitation noise and damage to pump bearings,the following pressure should be maintained at the pump inlet

Liquid temp(°C)	85	90
Inlet pressure	≥0.5m head	≥2.8mhead
	≥0.05bar	≥0.27bar

Certificate

EEI≤0.21

Performance Range

Max. Flow: 4.5m³/h
Max. Head: 9m

Features

- Class A energy efficiency, EEI≤0.21
- Permanent magnet motor-intelligent frequency control
- Compact design, easy to set up and operate
- Quick-plug cable connector for safe and easy connection
- Low working noise
- Shielded motor, no risk of leakage

Model Description

APM 25 - 9 - 130 S

- S — Shimge feature code
- 130 — Distance between Inlet and Outlet(mm)
- 9 — Max. Head (m)
- 25 — Inlet and Outlet diameter(mm)
- APM — Intelligent frequency converter circulation type

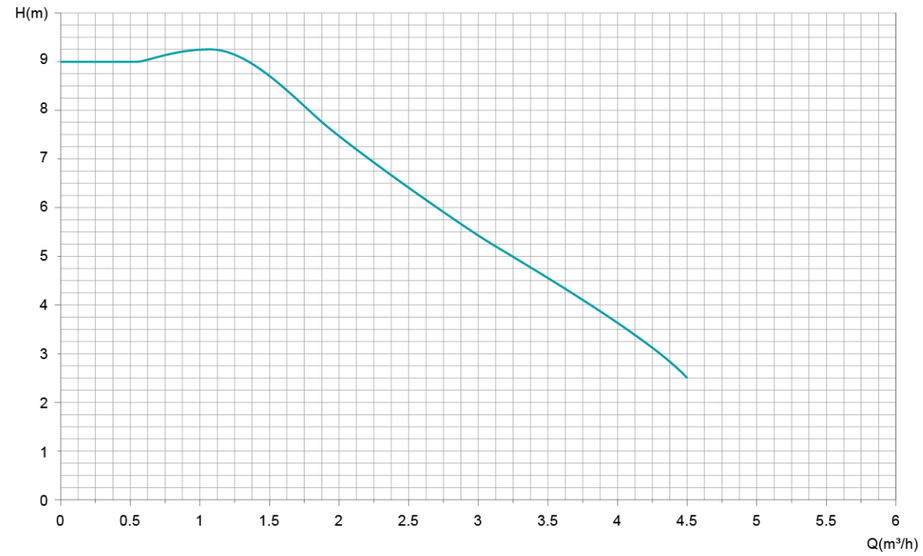
Control modes

- PWM control

Applications Fields

- All Hot-water Heating Systems
- Air Conditioning Systems
- Industrial Circulation Systems

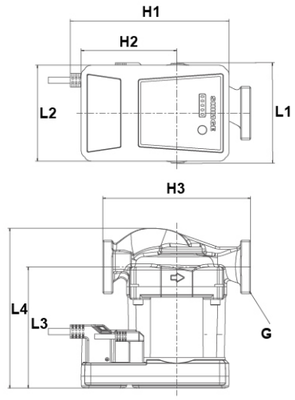
Performance Curve



Eiectrical And Hydraulic Data

Model	Pipe Distance (mm)	Electrical Data			Max.head	Max. Flow
		Voltage	P1(W)	Current(A)	(m)	(m³/h)
APM20-9-130S PWM1	130	230V-50HZ/60HZ	95	0.9	9	3.5
APM25-9-130S PWM1						
APM25-9-180S PWM1	180					4.5

Dimensions



Model	Dim.(mm)									Inner Box		Outer Box		
	L1	L2	L3	L4	H1	H2	H3	G	Unions	G.W (kg)	Dim(L×W×H) (mm)	PCS/ CTN	Dim(L×W×H) (mm)	G.W (kg)
APM25-9-130S PWM1	90	86	108.5	143	130	84	130	G1½	G1½-G1	3	165x140x150	8	350x300x320	25
APM25-9-130S PWM1							180							
APM20-9-130S PWM1							130	G1	G1-G¾	2.75				23

APF

Application Limits

- Liquid temperature: 2°C~110°C
- Maximum ambient temperature +40°C
- Maximum system pressure 10bar
- Protection level: IP42/IP44
- Mains connection: 230V; 50Hz/60Hz
- Insulation class: F
- Pumped liquid characteristics: clean, free from solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water
- Installation: the motor shaft must be kept in horizontal direction

Certificate

Performance Range

Max. Flow: 9m³/h
Max. Head: 12m

EEI≤0.23

Features

- Class A energy efficiency, EEI≤0.23
- Permanent magnet motor-intelligent frequency control
- Compact design, easy to set up and operate
- Low working noise
- Shielded motor, no risk of leakage

Model Description

APF 20 - 6 - 130

- 130 — Distance between Inlet and Outlet(mm)
- 6 — Max. Head (m)
- 20 — Inlet and Outlet diameter(mm)
- APF — Intelligent frequency converter circulation type

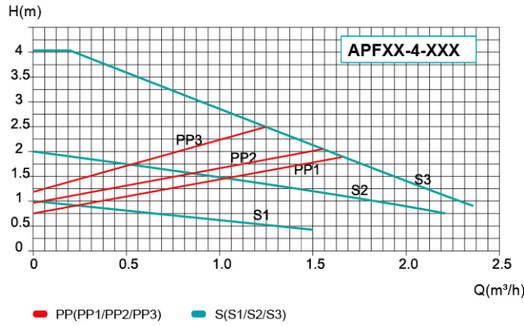
Control modes

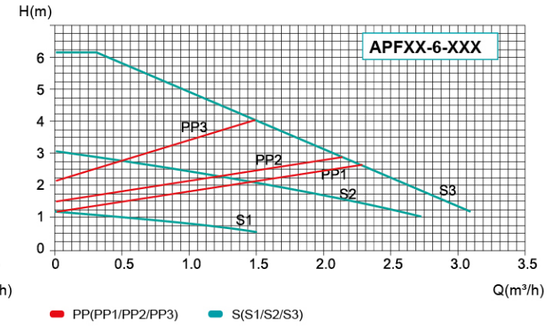
- Proportional Pressure Mode (PP)
- Constant Pressure Mode (CP)(10&12m)
- Constant Speed Mode (S)
- AUTO Mode(10&12m)
- PWM 1/2 control available(10&12m)

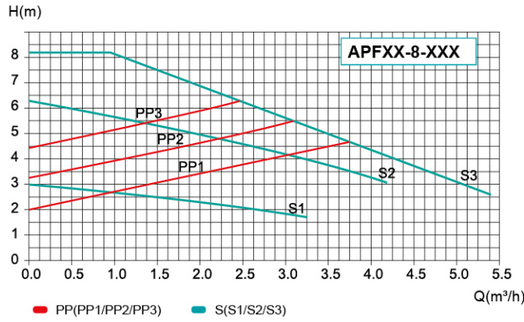
Applications Fields

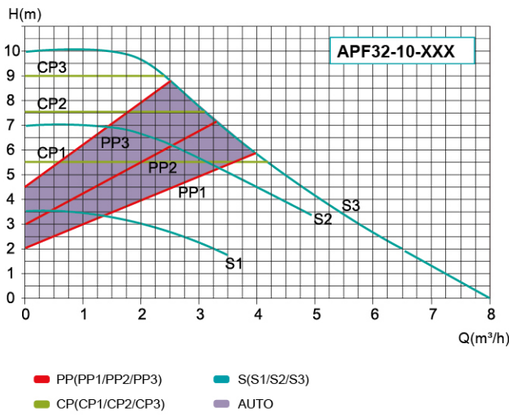
- All Hot-water Heating Systems
- Air Conditioning Systems
- Industrial Circulation Systems

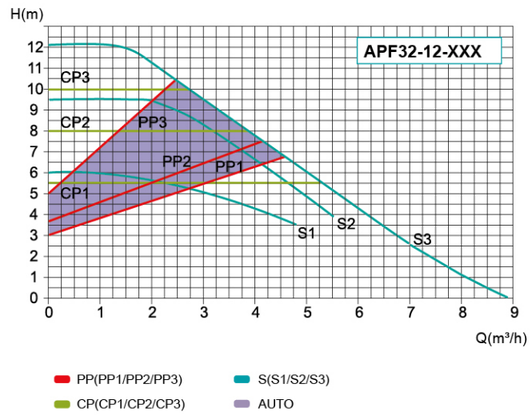
Performance Curve







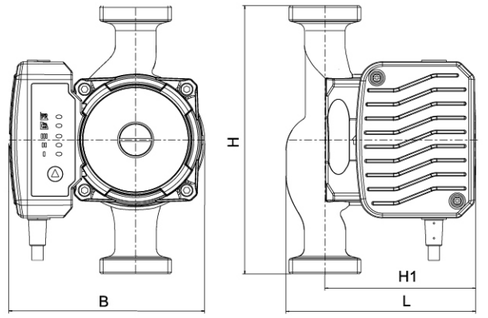




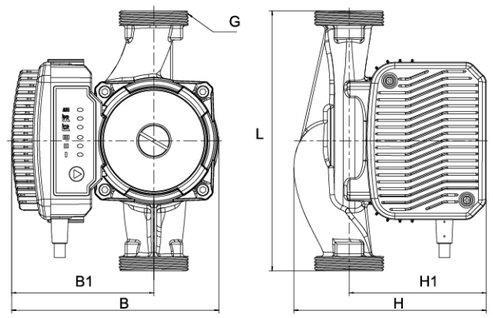
Eiectrical And Hydraulic Data

Model	Pipe Distance	Electrical Data			Max.head	Max. Flow
	(mm)	Voltage	P1(W)	Current(A)	(m)	(m³/h)
APF20-4-130	130	230V-50HZ/60HZ	22	0.18	4	2.5
APF20-6-130			38	0.3	6	3
APF25-4-130	130		22	0.18	4	2.5
APF25-6-130			38	0.3	6	3
APF25-4-180	180		22	0.18	4	2.5
APF25-6-180			38	0.3	6	3
APF25-8-180			80	0.7	8	7
APF32-4-180	180		22	0.18	4	2.5
APF32-6-180			38	0.3	6	3
APF32-8-180			80	0.7	8	7
APF25-10-180	180		140	0.95	10	7.5
APF32-10-180						8
APF25-12-180	180		180	1.18	12	8
APF32-12-180						9
APF25-10-180 PWM1	180		140	0.95	10	7.5
APF32-10-180 PWM1						8
APF25-12-180 PWM1	180		180	1.2	12	8
APF32-12-180 PWM1						9
APF25-10-180 PWM2	180		140	0.95	10	7.5
APF32-10-180 PWM2						8
APF25-12-180 PWM2	180		180	1.2	12	8
APF32-12-180 PWM2						9

Dimensions



4&6&8m



10&12m

Model	Dim(mm)							Inner Box		Outer Box		
	L	B	B1	H	H1	G	Unions	G.W (kg)	Dim(L×W×H) (mm)	PCS/CTN	Dim(L×W×H) (mm)	G.W (kg)
APF20-4-130	126	130	98	130	100	G1"	G1"-G1¼"	2.4	160×145×140	8	340×310×300	19.7
APF20-6-130												
APF25-4-130						G1½"	G1½"toG1"	2.7				22.0
APF25-6-130												
APF25-4-180				180				2.9	200×145×155		420×310×330	23.7
APF25-6-180												
APF25-8-180	148							3.1				26.0
APF32-4-180	131					G2"	G2"toG1¼"	3.3				27.0
APF32-6-180												
APF32-8-180	148							4.0				32.5
APF25-10-180 PWM1	180	143		130	95	G1½"	G1½"toG1"	3.1	200×160×140		420×340×320	26.0
APF25-10-180 PWM2												
APF25-12-180 PWM1												
APF25-12-180 PWM2												
APF32-10-180 PWM1						G2"	G2"toG1¼"	4.0				32.5
APF32-10-180 PWM2												
APF32-12-180 PWM1												
APF32-12-180 PWM2												

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APF-A

EEI≤0.21

Application Limits

- Liquid temperature: 2°C~110°C
- Ambient temperature 0°C~40°C
- Maximum system pressure 10bar
- Protection level: IP44
- Mains connection: 230V; 50Hz/60Hz
- Insulation class: F
- Pumped liquid: clean liquid, free from solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water.
- Installation: the motor shaft must be kept in horizontal direction

Certificate

Performance Range

Max. Flow: 6m³/h
Max. Head: 8m

Features

- Class A energy efficiency, EEI≤0.21
- Compact design, easy to set up and operate
- Low working noise
- Shielded motor, no risk of leakage
- Real-time Power display

Model Description

APF 25 - 6 - 180 A

- A: Shimge feature code
- 180: Distance between Inlet and Outlet(mm)
- 6: Max. Head (m)
- 25: Inlet and Outlet diameter(mm)
- APF: Intelligent frequency converter circulation type

Control modes

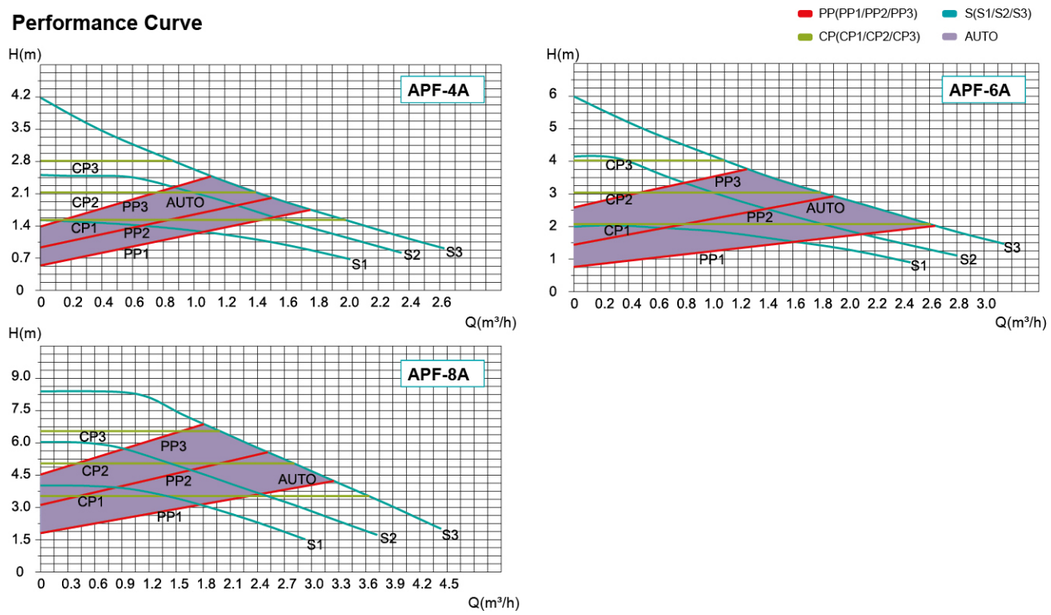
- Proportional Pressure Mode (PP)
- Constant Pressure Mode (CP)
- Constant Speed Mode (S)
- AUTO Mode

Applications Fields

- All Hot-water Heating Systems
- Air Conditioning Systems
- Industrial Circulation Systems

SHIMGE® for better life

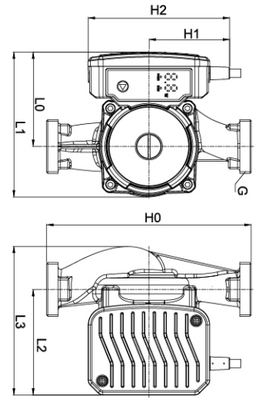
Performance Curve



Eiectrical And Hydraulic Data

Model	Electrical Data			Max.head	Max. Flow
	Voltage	P1(W)	Current(A)	(m)	(m³/h)
APF20-4-130A	230V-50HZ/60HZ	25	0.3	4	2.2
APF25-4-130A					2.5
APF25-4-180A					2.5
APF32-4-180A					2.9
APF20-6-130A		45	0.5	6	2.9
APF25-6-130A					3.2
APF25-6-180A					3.2
APF32-6-180A					3.6
APF25-8-130A		80	0.7	8	5.0
APF25-8-180A					5.0
APF32-8-180A					6.0

Dimensions



Dimensions

Model	Dim(mm)									Inner Box		Outer Box		
	L0	L1	L2	L3	H0	H1	H2	G	Unions	N.W (kg)	G.W (kg)	PCS/CTN	Dim(L×W×H) (mm)	G.W (kg)
APF20-4-130A	84	130	104	127	130	71	125	G1	G1"-G¾"	2.0	2.4	8	340x310x300	19.7
APF20-6-130A														
APF25-4-130A								G1½	G1½"-G1"	2.2	2.7			22
APF25-6-130A														
APF25-4-180A					180					2.4	2.9		420x310x330	23.7
APF25-6-180A														
APF25-8-130A			94	132	130					2.7	3.2			27
APF25-8-180A														
APF32-4-180A			104	127	180			G2	G2"-G1¼"	2.6	3.3			
APF32-6-180A														
APF32-8-180A			94	132						3.0	4.1			33

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APF-E

APF-8E EEIS0.21 Part3

APF-10/12E EEIS0.23 Part3

Application Limits

- Medium temp:-20°C~+95°C
- Ambient temp:-20°C~+55°C
- Medium and ambient temperature comparison table
  Maximum ambient temperature:30°C~55°C
  Maximum liquid temperature:95°C~70°C
- Maximum system pressure: 1.0MPa(10bar)
- Protection class:IP44
- Rated voltage/frequency: 230V,50/60HZ
- Noise: No greater than 45dB
- Installation method: The water inlet and outlet of the pump body are connected by unions, and the electric pump is installed along the horizontal direction of the motor shaft
- To avoid cavitation noise and damage to the pump bearing, the following pressure should be maintained at the pump inlet.

Certificate

Performance Range

Max. Flow: 6.2m³/h
Max. Head: 8m

Features

- Class A energy efficiency, significant energy saving effect
- Permanent magnet motor-intelligent frequency control
- Compact design, easy to set up and operate
- Low working noise
- Shielded motor, no risk of leakage

Model Description

APF 25 - 8 - 180 E

- E: Shimge feature code
- 180: Distance between Inlet and Outlet(mm)
- 8: Max. Head (m)
- 25: Inlet and Outlet diameter(mm)
- APF: Intelligent frequency converter circulation type

Control modes

- PWM control

Applications Fields

- All Hot-water Heating Systems
- Air Conditioning Systems
- Industrial Circulation Systems

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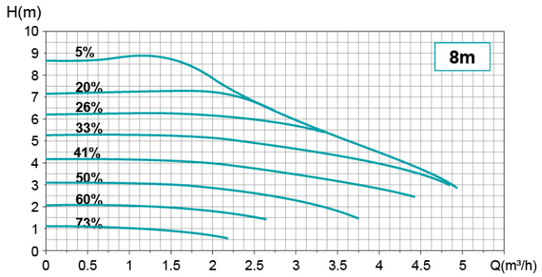
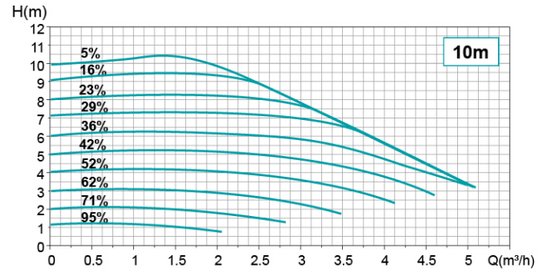
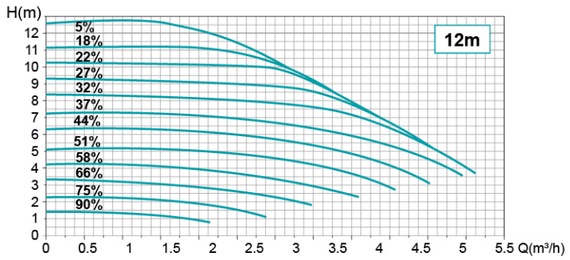
Performance Curve



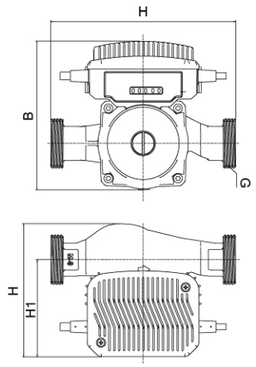




Eiectrical And Hydraulic Data

Model	Voltage	Input power (W)	Current (A)	Max.head (m)	Max. Flow (m³/h)
APF25-8-130E FPWM1	230V-50HZ/60HZ	90	1.0	8	4.2
APF25-8-180E FPWM1					
APF32-8-180E FPWM1					5.0
APF25-10-130E FPWM1		140	1.5	10	5.0
APF25-10-180E FPWM1					
APF32-10-180E FPWM1					5.5
APF25-12-130E FPWM1		180	1.8	12	5.5
APF25-12-180E FPWM1					
APF32-12-180E FPWM1					6.2

Dimensions



ModE l	Dim(mm)						
	L1	H1	H	B	G	H3	N.W(kg)
APF25-10/12-130E FPWM1	130±0.5	94±3	130±3	145±3	145±3	G1 ½	2.6±0.5
APF25-10/12-180E FPWM1	180±0.5	94±3	130±3	145±3	145±3	G1 ½	2.8±0.5
APF32-10/12-180E FPWM1	180±0.5	94±3	130±3	145±3	145±3	G2	2.9±0.5
APF25-8-130E FPWM1	130±0.5	94±3	130±3	129±3	129±3	G1 ½	2.5±0.5
APF25-8-180E FPWM1	180±0.5	94±3	130±3	129±3	129±3	G1 ½	2.7±0.5
APF32-8-180E FPWM1	180±0.5	94±3	130±3	129±3	129±3	G2	2.8±0.5

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APE

Application Limits

- Medium temperature: 2°C~110°C
- Ambient temperature 0°C~40°C
- Maximum system pressure 10bar
- Protection level: IP44
- Thermal classification: E
- Voltage / frequency: 230V, 50Hz/60Hz
- Suitable medium: Clean water without particles, mineral oil, non-toxic and neutral pH
- Installation method: the motor shaft is installed along the horizontal direction

Certificate

Performance Range

Max. Flow: 4m³/h
Max. Head: 8m

Features

- Class A energy efficiency
- Quick-plug cable connector for safe and easy connection
- Compact design, easy to set up and operate
- Low working noise
- Shielded motor, no risk of leakage
- Exhaust function: exhaust the air in the pump to ensure performance
- Manual restart function (in case the rotor stuck due to long-term inactivity in summer)

Model Description

APE 20 - 6 - 130

- 130: Distance between Inlet and Outlet(mm)
- 6: Max. Head (m)
- 20: Inlet and Outlet diameter(mm)
- APE: Intelligent frequency converter circulation type

Control modes

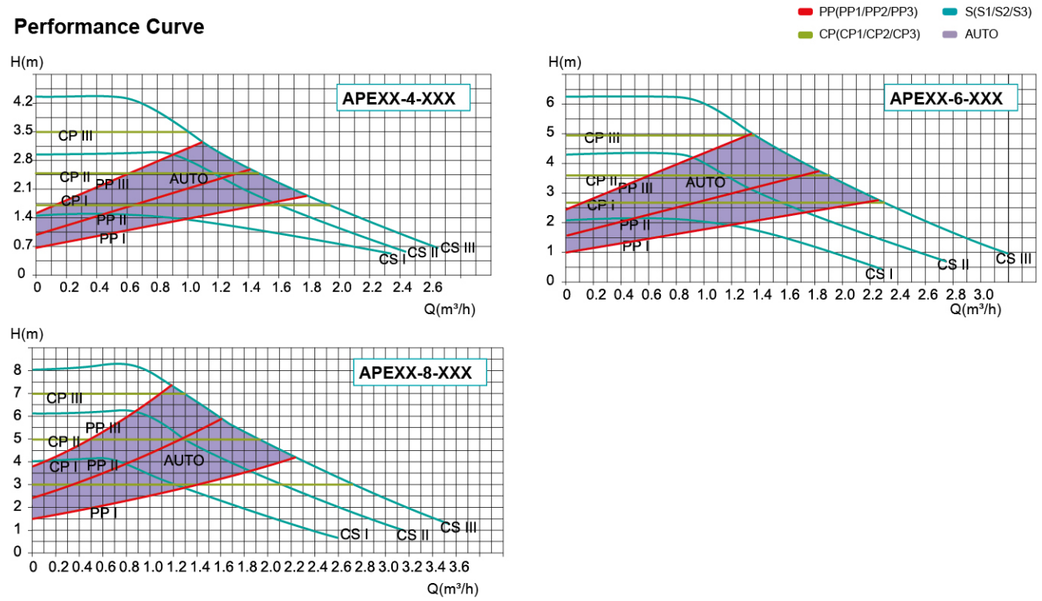
- Proportional Pressure Mode (PP)
- Constant Pressure Mode (CP)
- Constant Speed Mode (S)
- AUTO Mode
- PWM control optional

Applications Fields

- All Hot-water Heating Systems
- Air Conditioning Systems
- Industrial Circulation Systems

SHIMGE for better life

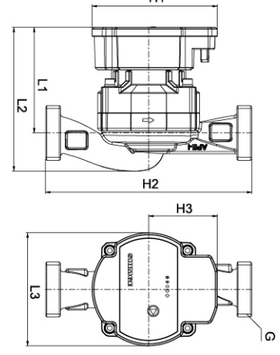
Performance Curve



Eiectrical And Hydraulic Data

Model	Voltage	P1(W)	Current(A)	Max.head (m)	Max. Flow (m³/h)
APE20-4-130(PWM1/PWM2)	230V-50HZ/60HZ	25	0.3	4	2.2
APE25-4-130(PWM1/PWM2)					2.5
APE25-4-180(PWM1/PWM2)					2.5
APE32-4-180(PWM1/PWM2)					2.9
APE20-6-130(PWM1/PWM2)		45	0.5	6	2.9
APE25-6-130(PWM1/PWM2)					3.2
APE25-6-180(PWM1/PWM2)					3.2
APE32-6-180(PWM1/PWM2)					3.6
APE20-8-130(PWM1/PWM2)		65	0.65	8	2.9
APE25-8-130(PWM1/PWM2)					3.4
APE25-8-180(PWM1/PWM2)					3.6
APE32-8-180(PWM1/PWM2)					4.0

Dimensions



Model	Dim(mm)								Inner Box		Outer Box		
	L1	L2	L3	H1	H2	H3	G	Unions	N.W (kg)	G.W (kg)	PCS/CTN	Dim(L×W×H) (mm)	G.W (kg)
APE20-4-130(PWM1/PWM2)	93	126	99	110	130	60	G1	G1"-G¾"	1.6	2.0	8	320×290×260	16
APE20-6-130(PWM1/PWM2)													
APE20-8-130(PWM1/PWM2)													
APE25-4-130(PWM1/PWM2)							G1½	G1½"-G1"	1.7	2.2		320×290×260	18
APE25-6-130(PWM1/PWM2)													
APE25-8-130(PWM1/PWM2)													
APE25-4-180(PWM1/PWM2)					180				1.9	2.4		410×290×240	20
APE25-6-180(PWM1/PWM2)													
APE25-8-180(PWM1/PWM2)													
APE32-4-180(PWM1/PWM2)							G2	G2"-G1¼"	2.0	2.75		420×280×210	22.5
APE32-6-180(PWM1/PWM2)													
APE32-8-180(PWM1/PWM2)													

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APE-S

6m EEI < 0.20-Part3
7m 8m EEI < 0.21-Part3

Application Limits

- Medium temperature: -20°C~95°C
- Ambient temperature: 0°C~40°C
- Max system pressure: 10bar
- Protection class: IP44
- Rated voltage/frequency: 230V,50/60HZ
- Installation mode: horizontal installation along the motor shaft

Certificate

Performance Range

Max. Flow: 4.2m³/h
Max. Head: 8m

Features

- Class A energy efficiency
- Quick-plug cable connector for safe and easy connection
- Compact design, easy to set up and operate
- Low working noise
- Shielded motor, no risk of leakage
- Anti-condensation, high insulation

Model Description

APE 20 - 6 - 130 S

- S: Shimge feature code
- 130: Distance between Inlet and Outlet(mm)
- 6: Max. Head (m)
- 20: Inlet and Outlet diameter(mm)
- APE: Intelligent frequency converter circulation type

Control modes

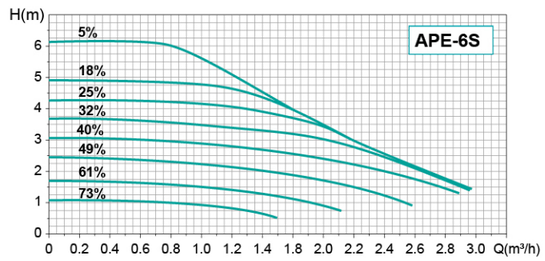
- PWM control

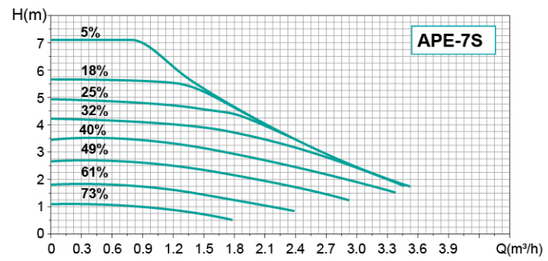
Applications Fields

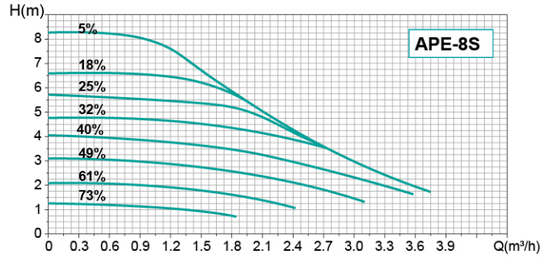
- All Hot-water Heating Systems
- Air Conditioning Systems
- Industrial Circulation Systems

SHIMGE for better life

Performance Curve



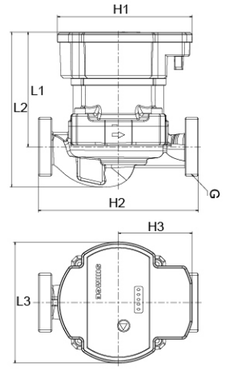




Eiectrical And Hydraulic Data

Model	Voltage	Input power (W)	Current (A)	Max.head (m)	Max. Flow (m³/h)
APE20-6-130S(1)(F)PWM1	230V-50HZ/60HZ	45	0.42	6	2.5
APE25-6-130S(1)(F)PWM1					3.1
APE25-6-180S(1)(F)PWM1					3.3
APE32-6-180S(1)(F)PWM1					3.6
APE20-7-130S(1)(F)PWM1		55	0.5	7	2.6
APE25-7-130S(1)(F)PWM1					3.3
APE25-7-180S(1)(F)PWM1					3.6
APE32-7-180S(1)(F)PWM1					3.9
APE20-8-130S(1)(F)PWM1		65	0.65	8	2.8
APE25-8-130S(1)(F)PWM1					3.4
APE25-8-180S(1)(F)PWM1					3.8
APE32-8-180S(1)(F)PWM1					4.2

Dimensions



Model	Dim(mm)								Inner Box		Outer Box		
	L1	L2	L3	H1	H2	H3	G	Unions	Dim(L×W×H) (mm)	G.W (kg)	PCS/CTN	Dim(L×W×H) (mm)	G.W (kg)
APE20-6-130S(1)(F)PWM1	94	127	99	110	130	60	G1	G1-G¾	145×135×120	1.75	8	310x290x260	14
APE20-7-130S(1)(F)PWM1													
APE20-8-130S(1)(F)PWM1													
APE25-6-130S(1)(F)PWM1							G1½	G1½-G1	145×135×120	2.0		310x290x260	17
APE25-7-130S(1)(F)PWM1													
APE25-8-130S(1)(F)PWM1													
APE25-6-180S(1)(F)PWM1					180				190×135×110	2.15		400x290x240	18
APE25-7-180S(1)(F)PWM1													
APE25-8-180S(1)(F)PWM1													
APE32-6-180S(1)(F)PWM1							G2	G2-G1¼	190×135×110	2.5		400x290x240	21
APE32-7-180S(1)(F)PWM1													
APE32-8-180S(1)(F)PWM1													

SHIMGE for better life

APE-T1

Application Limits

- Medium temperature::-20°C~95°C
- Ambient temperature:0°C~40°C
- Max system pressure: 10bar
- Protection class: IP44
- Rated voltage/frequency: 230V,50/60HZ
- Installation mode: horizontal installation along the motor shaft

Certificate

CE TÜV GS

Performance Range

Max. Flow: 4.2m³/h
Max. Head: 8m

6m EEI≤0.20
7/8m EEI≤0.23

Features

- Class A energy efficiency
- Quick-plug cable connector for safe and easy connection
- Compact design, easy to set up and operate
- Low working noise
- Shielded motor, no risk of leakage
- Anti-condensation, high insulation

Model Description

APE 20 - 6 - 130 T1

- T1 — Shimge feature code
- 130 — Distance between Inlet and Outlet(mm)
- 6 — Max. Head (m)
- 20 — Inlet and Outlet diameter(mm)
- APE — Intelligent frequency converter circulation type

Control modes

- Proportional Pressure Mode (PP)
- Constant Pressure Mode (CP)
- Constant Speed Mode (S)

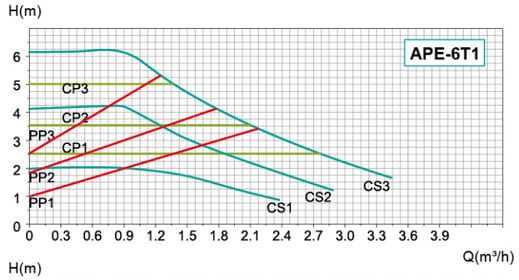
Applications Fields

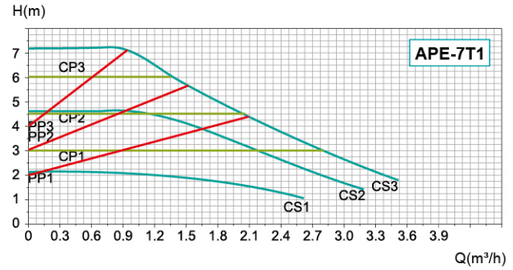
- All Hot-water Heating Systems
- Air Conditioning Systems
- Industrial Circulation Systems

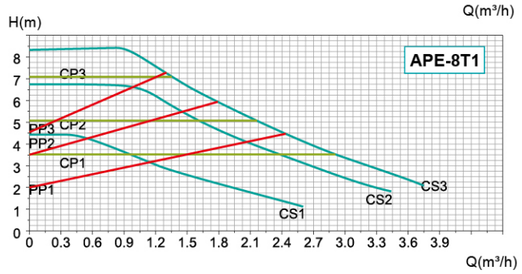
SHIMGE for better life

Performance Curve

PP(PP1/PP2/PP3) S(S1/S2/S3) CP(CP1/CP2/CP3)



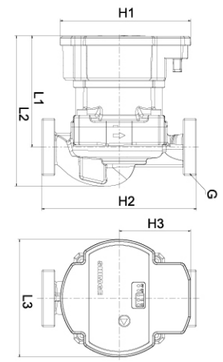




Eiectrical And Hydraulic Data

Model	Electrical Data			Max. Head (m)	Max. Flow (m³/h)
	Voltage	Input Power(W)	Current(A)		
APE20-6-130T1	230V 50HZ/60HZ	45	0.42	6	2.5
APE25-6-130T1					3.1
APE25-6-180T1					3.3
APE32-6-180T1					3.6
APE20-7-130T1		55	0.5	7	2.6
APE25-7-130T1					3.3
APE25-7-180T1					3.6
APE32-7-180T1					3.9
APE20-8-130T1		65	0.65	8	2.8
APE25-8-130T1					3.4
APE25-8-180T1					3.8
APE32-8-180T1					4.2

Dimensions



Dimensions

Model	Dim(mm)								Inner Box		Outer Box		
	L1	L2	L3	H1	H2	H3	G	Unions	G.W (kg)	Dim.(LxWxH) (mm)	PCS/CTN	Dim(L×W×H) (mm)	G.W (kg)
APE20-6-130T1	94	127	99	110	130	60	G1	G1"-G¾"	1.75	145×135×120	8	310×290×260	14
APE20-7-130T1													
APE20-8-130T1													
APE25-6-130T1							G1½	G1½"-G1"	2.0	145×135×120		310×290×260	17
APE25-7-130T1													
APE25-8-130T1													
APE25-6-180T1					180				2.15	190*135*110		400×290×240	18
APE25-7-180T1													
APE25-8-180T1													
APE32-6-180T1							G2	G2"-G1¼"	2.5	190*135*110		400×290×240	21
APE32-7-180T1													
APE32-8-180T1													

BPE

Application Limits

- Medium temperature: 2 °C ~ 95 °C
- Ambient temperature: 0 °C ~ 40 °C
- Maximum system pressure: 0.3MPa (3bar)
- Protection level: IP44
- Thermal classification: E
- Voltage / frequency: 230V, 50 / 60Hz
- Suitable medium: Clean water without particles, mineral oil, non-toxic and neutral PH
- Installation method: The motor shaft is installed along the horizontal direction

Certificate

Performance Range

Max. Flow: 2.2m³/h
Max. Head: 8m

EEI: ≤0.23

Features

- The cable is of quick plug structure, which is convenient for installation and maintenance
- Anti condensation, high insulation
- Small size and light weight
- Four pump body installation modes are suitable for a variety of installation environments
- Automatic exhaust function ,discharge valve from Italian Caleffi
- EEI≤0.23
- Internal five speed adjustable, external PWM speed control available
- Low noise and no leakage

Model Description

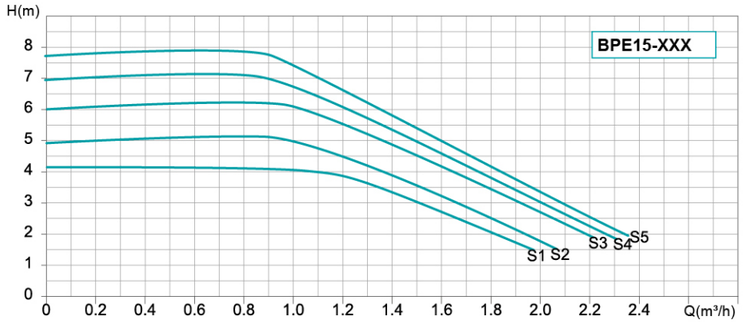
BPE 15 - 8A

- Max. Head (m) A:Pump body type
- Inlet and Outlet diameter(mm)
- Intelligent frequency converter circulation type

Applications Fields

This series of products are suitable for supporting gas wall hang boiler, electric wall hang boiler ,cold and hot water circulation system.

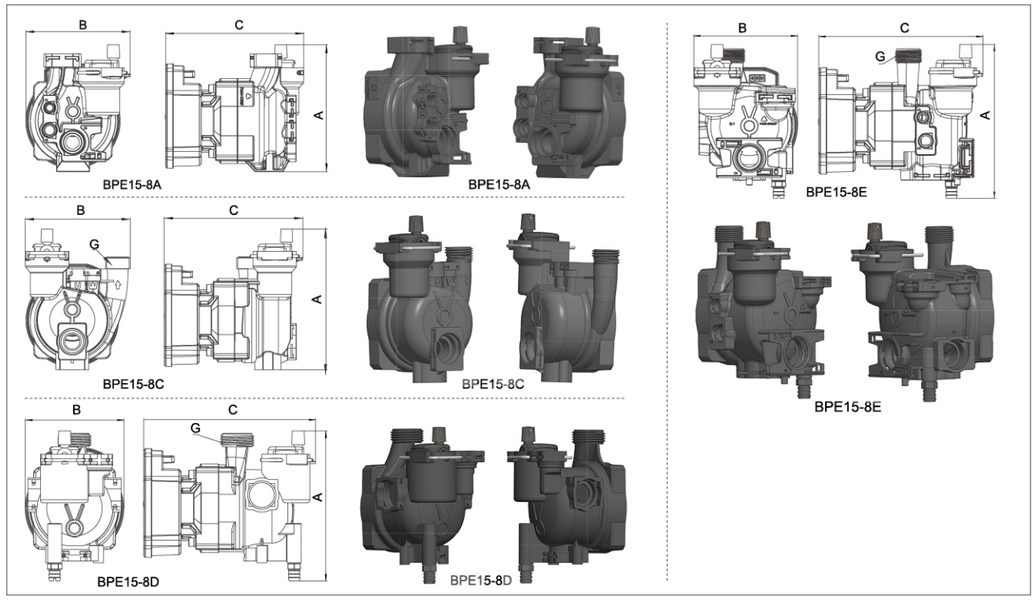
Performance Curve



Eiectrical And Hydraulic Data

Model	Voltage	Speed	Input Power (W)	Current (A)	Max. Head (m)	Max. Flow (m³/h)
BPE15-8A	230V 50HZ/60HZ	S5	60	0.55	8	2.2
		S4	55	0.5	7	2.15
		S3	50	0.45	6	2.1
		S2	40	0.37	5	2
		S1	35	0.33	4	1.9
BPE15-8C		S5	60	0.55	8	2.2
		S4	55	0.5	7	2.15
		S3	50	0.45	6	2.1
		S2	40	0.37	5	2
		S1	35	0.33	4	1.9
BPE15-8D		S5	60	0.55	8	2.2
		S4	55	0.5	7	2.15
		S3	50	0.45	6	2.1
		S2	40	0.37	5	2
		S1	35	0.33	4	1.9
BPE15-8E		S5	60	0.55	8	2.2
		S4	55	0.5	7	2.15
		S3	50	0.45	6	2.1
		S2	40	0.37	5	2
		S1	35	0.33	4	1.9

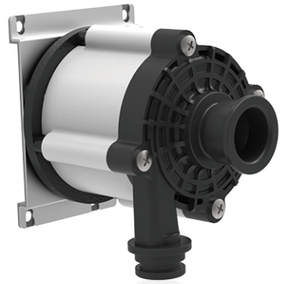
Dimensions



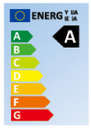
Model	Inlet /outlet size	Size(mm)				Inner Box		Outer Box		
	(mm)	A	B	C	G	N.W (kg)	G.W(kg)	PCS/CTN	Dim(L×W×H)	G.W
BPE15-8A	15	133	109	144	-	1.2	1.4	8	350×260×340	12
BPE15-8C	15	150	112	148	G¾	1.2	1.4	8	350×260×340	12
BPE15-8D	15	151	99	172	G1	1.2	1.5	8	400×340×260	13
BPE15-8E	15	158	106	168	G¾	1.2	1.6	8	400×340×260	14

02 Hot Water Re-Circulation Pump

HBS-12 HBS24-12
HBS-1.5 HB



HBS-12



Start Mode

- **Timing mode**
  Any hour and period in the 24 hours can be set freely,the pump is in the intelligent constant temperature mode during the set period. (Note: Return pipe or temperature control valve is required)

- **Forced water mode**
  In any state, press the"On /Off" key to start the water pump. After reaching the set time or the preset target temperature, the water pump stops.

- **Flow mode**
  Turn it off. When the water temperature of the water pump is lower than the set target temperature, it will run. Turn on the tap again and there will be hot water.

- **Remote control mode**
  In the same water flow mode, the water temperature detection is triggered by remote control. Remote control distance is 15m and can come through a wall.

Certificate

CE

Performance Range

Max. Flow: 8 L/min
Max. Head: 12m

Feature to hot water circulator

- Offering the warm water in any time when you open the tap, which have your life comfortable and intelligent!
- Saving the cooling water every drop, which have us join the action to protect the water resource!
- Offering big water when the pressure is lower.

Model Description

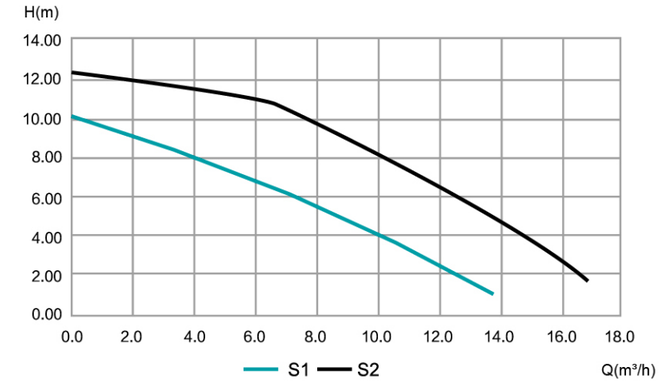
HB S - 12

- The Highest lift(m)
- Type is device
- Hot Water backwater series

Eiectrical And Hydraulic Data

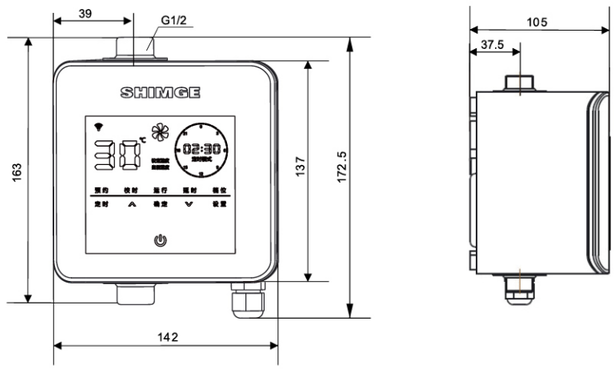
Specification	ITEM:High efficiency converter Circulation Pump
Pump Model	HBS-12
Motor	Permanent Magnet DC motor
Pump structure	Plastic packaging motor , LED screen
Power	220V AC187-253V
Working pattern	Touch control and remote control, wi-fi connection
Medium temperature	2°C-70°C
Hydraulic performance	Max. Head: 12m Rated Head: 10m Rated. Flow: 9L/m
Pipe date	Pipe size: G ½ Circulation pipe length: 150m
Min. Input pressure	0.005MPa
Max. working pressure	1.0MPa
Ambient temperature	-20 to 40°C (without freezing)
Storage temperature / Humidity	-20 to 80°C (without freezing)/ 40°C~ 95%RH

Performance Curve



Model	Max.head	Rated.flow	Rated.Head	Max. Input Power	Pump efficiency
	(m)	(L/min)	(m)	(W)	(W)
HBS-12	12	8	10	55	27

Dimensions



HBS24-12T

Product introduction

If the household heating water equipment is far away from the water point, the cold water in the pipeline must be drained in advance to enjoy the hot water each time, which is a waste of time and resources. The hot Water Re-Circulation Pump is designed for such problems. The product can realize automatic pipeline constant temperature, induction water flow start-up, manual preheating and other functions during the set time period throughout the day. Make sure you can enjoy hot water as soon as you turn on the tap.

Features

- DC24V safe low voltage
- Multiple protection: antifreeze function, descaling function (ensure that the pump is not stuck)
- Easy to install, no drilling installation
- Power off memory: Set parameters can be automatically remembered after power off
- Small body, such as the size of the iPhone 13, does not take up space
- Brass pump body can be selected according to actual needs, copper pump body is clean and rust resistant, and has a long service life

Certificate

CE

Applications Fields

The return pump is suitable for large flat floor within 200m^2; Gas water heater, electric water heater, air energy water heater, wall hanging furnace can be.

Model Description

HB S 24 - 12 T

- T — Shimge company customization
- 12 — Max.Head(m)
- 24 — Voltage
- S — Type is device
- HB — Hot Water backwater series

Start Mode

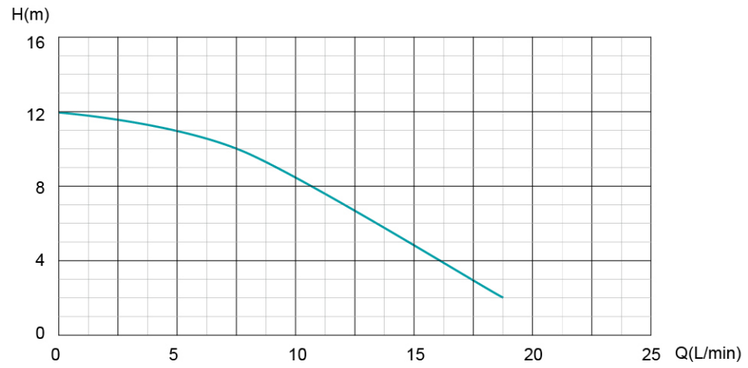
Timing Mode: It can be separately set to open or close 24 hours a day. The timing mode is open and within the selected period of time, the water temperature is lower than the target temperature 5 ° C, and the water temperature reaches the target temperature.

Manual Mode: Click the pre-hotkey to trigger the product water temperature detection. When the water temperature is lower than the target temperature of 5 ° C, the pump automatically runs, and the pump stops when the water temperature reaches the target temperature.

Before using water, turn on the tap for 3-8 seconds and then turn it off. When the water temperature of the water pump is lower than the set target temperature, it will run. Turn on the tap again and there will be hot water.

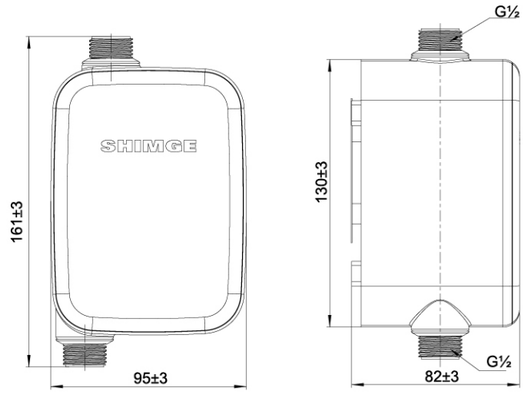
Pressurization Mode: Open the hot water faucet >10S to trigger the water temperature detection, the water temperature is lower than the target temperature 5℃ the pump automatically runs, the water temperature reaches the target temperature the pump stops.

Performance Curve



Model	Voltage	Current	Max. Head	Rated head	Power	Max.Working Pressure	Max. Flow	Rated Flow	G	Temperature Range	Class of protection
	(V)	(A)	(m)	(m)	(W)	(MPa)	(L/min)	(L/min)			
HBS24-12T	DC-24	3.0	12	10m	70	0.5	20	8	G1/2"	40TF70	IP21

Dimensions



HBS24-12

Starting mode:

- **Smart constant temperature mode:**
  When turned on, the “SHIMGE" icon lights orange, and the pump operates at constant temperature throughout a day.

- **Energy-saving constant temperature mode:**
  When turned on, the “SHIMGE" icon lights green, and the pump operates at energy-saving constant temperature state throughout a day.

- **Energy-saving remote control mode:**
  Remove control distance 15m(can pass through a wall). When turned on, the pump operates at constant temperature for one hour.

- **Mandatory mode:**
  Short press the "SHIMGE" icon in any state, the pump will start until it reach the set time or the target temperature.

Certificate

CE

Performance Range

Max. Flow: 23 L/min
Max. Head: 12m

Applications Fields

For gas water heater, air energy water heater, electric water heater, wall-hanging gas boiler, solar water heater etc.

Installation instructions

- For houses without return pipes, the product should be installed at the end of hot water pipe, or under the basin near the end, in series between the hot water pipe and the cold water pipe.
- For houses with return pipes, the product should be installed at the return port of the water tank, or at the end of hot water pipe or under the basin near the end, connected in series between the hot water pipe and the return pipe.

Features

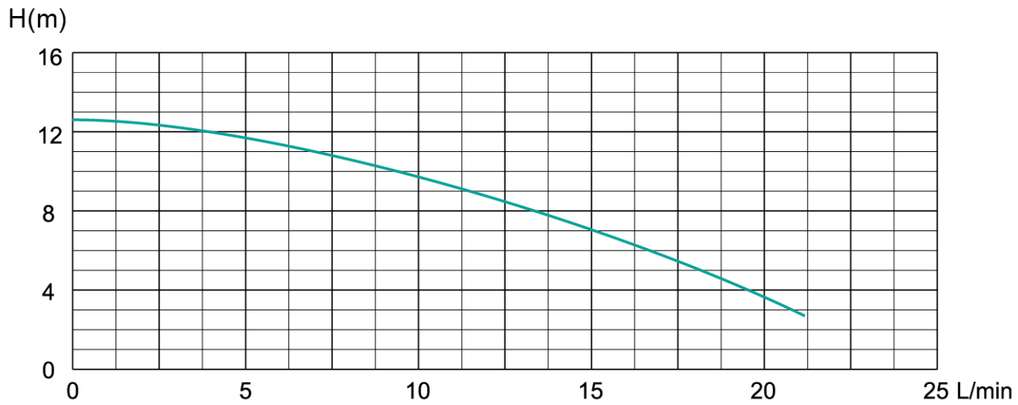
- Brass pump body, clean and anti-rust
- 24V ultra low safe voltage
- Low noise
- High head, big flow
- Smart size, easy to install
- Simplified but nice-looking outlook
- With built-in high efficiency pump
- One-button start
- Remote start

Model Description

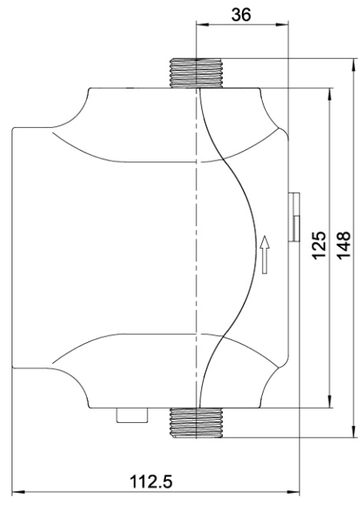
HBS 24 - 12

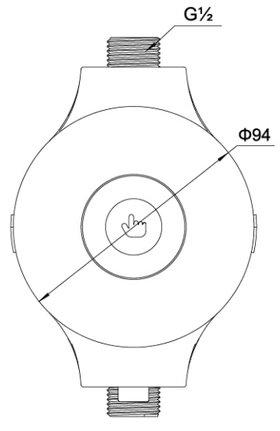
- 12 — Max. Head (m)
- 24 — Voltage
- HBS — Рециркуляционный интеллектуальный насос

Performance Curve



Dimensions





HBS-1.5

Application Limits

- Medium temp:+2°C~+75°C
- Ambient temp:-20°C~+40°C
- Max system pressure: 10bar
- IP class:IPX4
- Rated voltage/frequency: 230V~50/60HZ
- The rated voltage fluctuates from -10% to +6%
- For domestic water (non-drinking), the pH value of the mediumis between 6.5 and 8.5, the volume content of solid particlesdoes not exceed 0.1% of the unit volume, and the particle sizeis not greater than 0.2mm

Performance Range

Max. Flow: 0.6m³/h
Max. Head: 1.5m

Features

- Low noise, no leakage
- Brass pump body, corrosion resistant and durable
- Compact structure, easy to install
- Knob control, easy to operate
- Low power and low energy consumption

Model Description

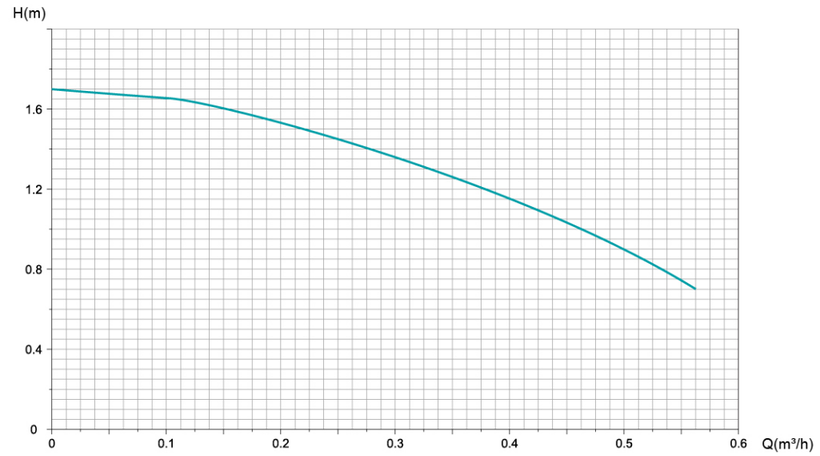
HB S - 1.5

- 1.5 — Max head(m)
- S — Type is device
- HB — Hot Water backwater series

Applications Fields

This series of products can be used in the field of domestic water,must be used with the positive displacement household wallhanging boiler, positive displacement gas water heater, positivedisplacement electric boiler and other hot water equipment, theelectric pump installed on the return water pipe connected tothe side of the water heater, through the continuous circulationof water in the pipeline, to maintain the continuous high watertemperature in the hot water pipe, so as to achieve the effect ofa boiling tap and hot water.

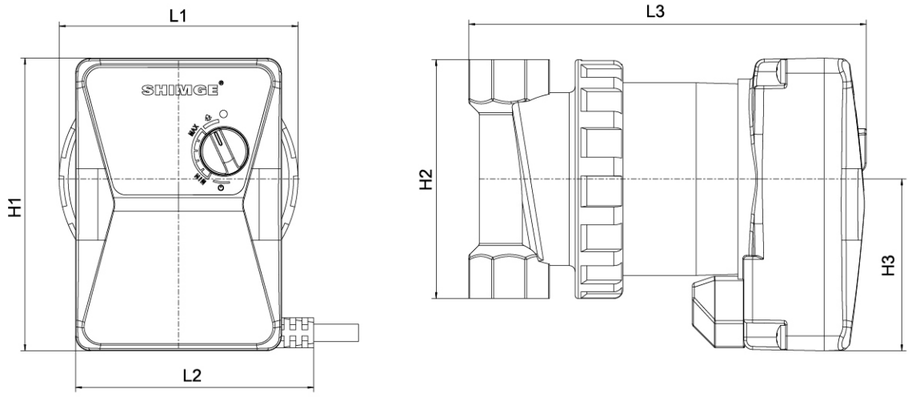
Performance Curve



Eiectrical And Hydraulic Data

Model	Electrical Data			Max. Head (m)	Max. Flow (m³/h)
	Voltage	Input Power(W)	Current(A)		
HBS-1.5	230V-50HZ/60HZ	9	0.09	1.5	0.6

Dimensions



Model	Inlet /outlet size(mm)						
	L1	L2	L3	H1	H2	H3	G
HBS-1.5	80	79.8	132.5	98	80	57.5	G½

HB

Application Limits

The built-in hot water re-Circulation Pump adopts plastic sealed motor, NdFeB rotor, ceramic shaft and engineering plastics pump body. Flow range 0-16L/min, input power 0-55W, used in the circulating heating of the cooled hot water in the water heater system.

Application Limits

- Liquid temperature: 0°C-80°C
- Ambient temperature: -20°C -60°C(No condensation)
- Max. system pressure: 1.0MPa
- Protection level: IPX4
- Pumped liquid characteristics: clean water, free from solids and mineral oils, non-toxic, chemically neutral
- Installation: Installation: the motor shaft must be kept in horizontal direction

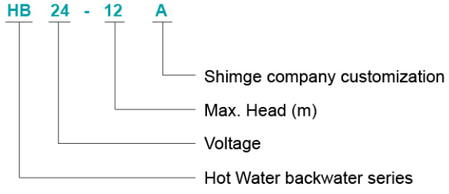
Performance Range

Max. Flow: 18 L/min
Max. Head: 12m

Features

- Ceramic shaft, wear-resistant and corrosion-resistant,longer service life
- High head, low noise and no leakage
- Modular design, easy for maintenance

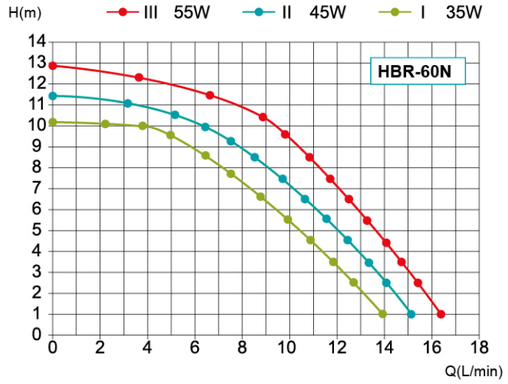
Model Description

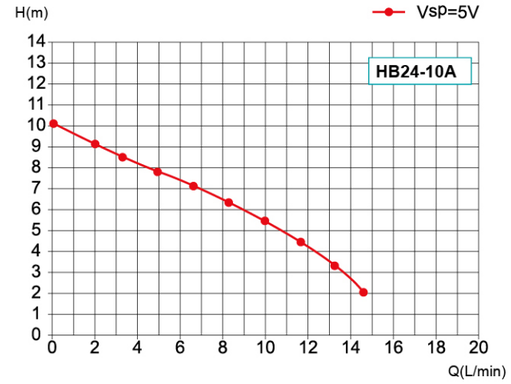


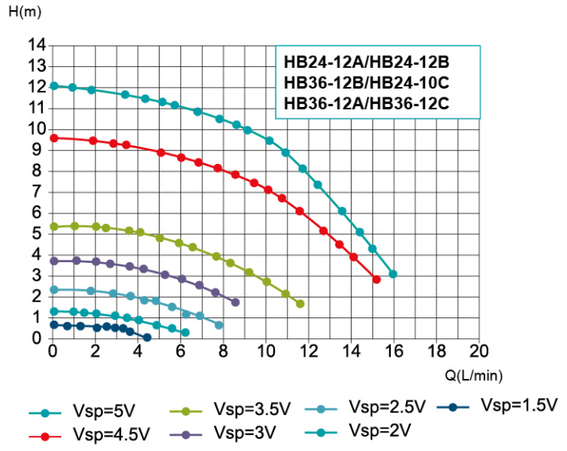
Applications Fields

The product is applied to the system for the purpose of warmwater circulation, especially suitable for the circulating heating of the cooled hot water in the water heater system,reducing the waiting time of hot water and the waste of water.

Performance Curve







Eiectrical And Hydraulic Data

Model	Pipe Diameter (mm)	Voltage	Tapposition	Max. Head (m)	Rated.flow (L/min)	Rated head (m)	Input Power (W)
HBR60N	10	220V/50HZ	III	12	8	10	55
HB24-10A	10	24	VSP/PWM	10	8	6	30
HB24-12A	10	24	VSP/PWM	12	9	10	55
HB24-12B	10	24	VSP/PWM	12	9	10	55
HB24-10C	10	24	VSP/PWM	10	9	8	45
HB36-12A	10	36	VSP/PWM	12	9	8	45
HB36-12B	10	36	VSP/PWM	12	9	10	50
HB36-12C	10	36	VSP/PWM	12	9	8	45

03 TIME FIXED TEMPERATURE CIRCULATION PUMP

XPH15

XPH15

Application Limits

- Liquid temperature: +2°C ~+70°C
- Maximum ambient temperature +40°C
- Maximum system pressure 10bar
- Protection level: IP42
- Mains connection: 115V/60Hz
- Insulation class: H
- Pumped liquid characteristics: clean, free from solids
- and mineral oils, non-toxic, chemically neutral, close to the characteristics of water
- Installation: the motor shaft must be kept in horizontal direction
- PH: 6.5 to 8.5

Certificate

CSA NSF

Performance Range

Max. Flow: 1m³/h
Max. Head: 2m

Features

- Low noise
- No leakage
- Timing operation

Model Description

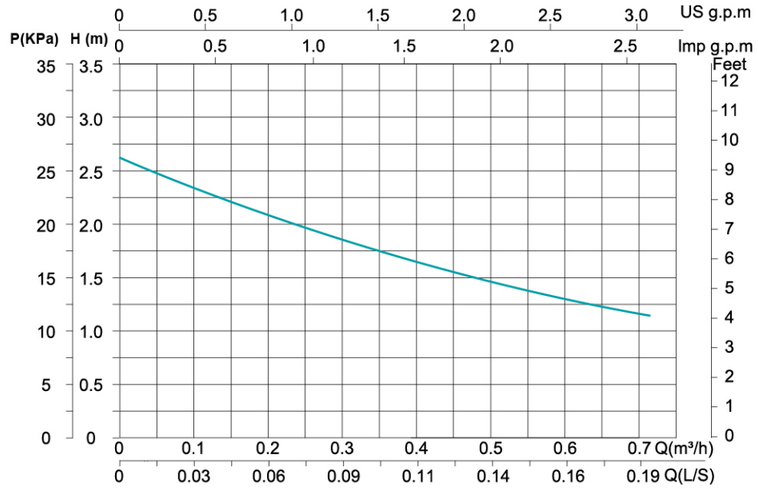
XPH 15 - 2 - 130

- 130: Distance between Inlet and Outlet(mm)
- 2: Max. Head
- 15: Inlet and Outlet diameter(mm)
- XPH: Timing And Constant Temperature Circulation Type

Applications Fields

The product is applied to the system for the purpose of warm water circulation. It is suitable for the re-circulating heating of cooled water in the water heater system with heat storage part, so as to reduce the waiting time of water heating and avoid water wasting.

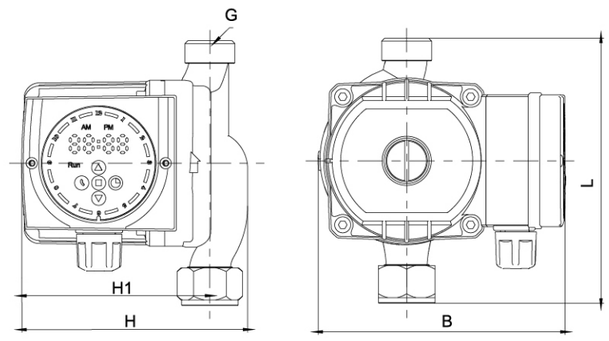
Performance Curve



Eiectrical And Hydraulic Data

Model	Input Power (W)	Current (A)	Pipe Distance (mm)	Max. Head (m)	Max. Flow (m^3/h)
XPH15-2-130	30	0.26	130	2	1

Dimensions



Model	Dim(mm)					Unions	N.W (kg)	Inner Box		Outer Box		
	H	H1	L	G	B			G.W (kg)	Dim.(LxWxH) (mm)	PCS/ CTN	Dim.(LxWxH) (mm)	G.W (kg)
XPH15-2-130	120	100	140	G¾"	130	G¾"-G½"	2.5	3.5	165×140×150	8	350×300×320	29

04 Boiler Circulation Pump

BPS

BPS

Application Limits

- Liquid temperature: +2°C~ +95°C
- Maximum ambient temperature +40°C
- Maximum system pressure 3bar
- Protection level: IP44
- Mains connection: 220V/50Hz
- Insulation class: H
- Pumped liquid characteristics: clean, free from solidsand mineral oils, non-toxic, chemically neutral, closeto the characteristics of water
- Installation: the motor shaft must be kept in horizontaldire ction
- PH: 6.5 to 8.5


A


C


D


B


E

Certificate

CE

Performance Range

Max. Flow: 2m³/h
Max. Head: 6.5m

Features

- 3-speed adjustment
- Low noise
- No leakage
- Automatic Exhaust
- Various pump body structures applied to varioustypes of installation

Model Description

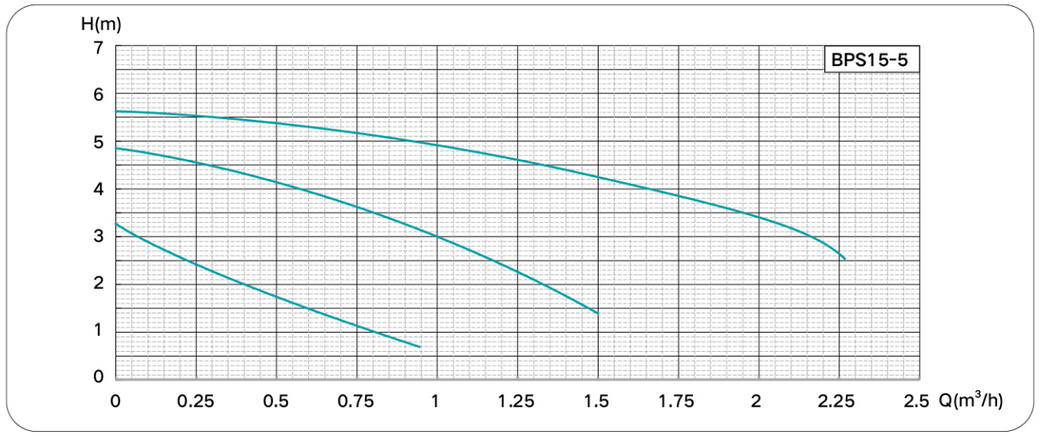
BPS 15 - 5 A

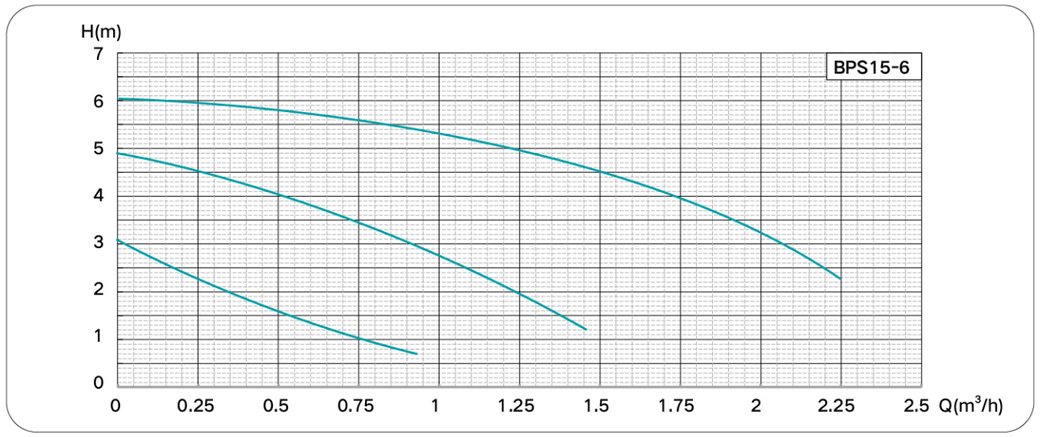
- A: Pump Body Type
- 5: Max. Head (m)
- 15: Inlet and Outlet diameter(mm)
- BPS: Automatic Pressure Circulation Type

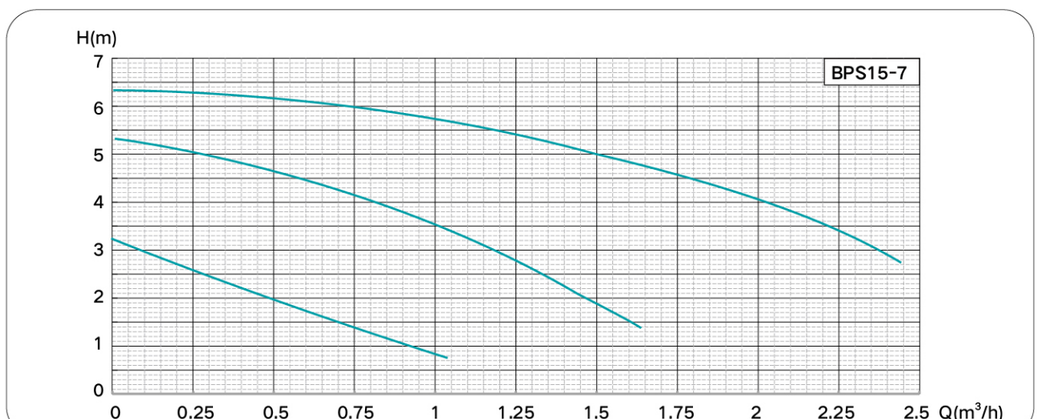
Optional Available on Request

Products can be customized according to customer'svoltage and frequency.

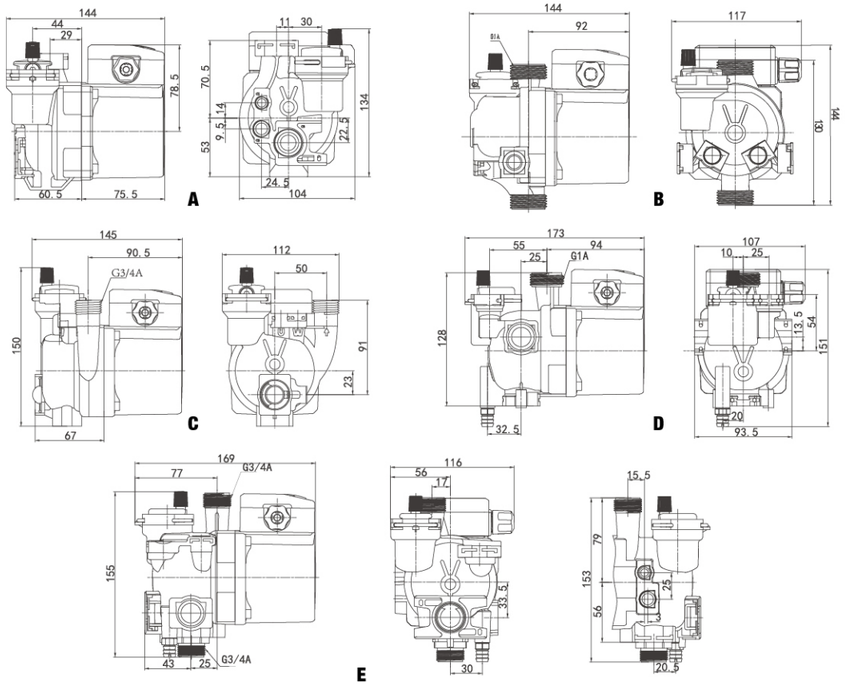
Performance Curve







Dimensions



Model	Inlet (mm)	Dim(mm)			G	Inner Box		Outer Box		
		Height	Width	Length		G.W (kg)	Dim.(LxWxH) (mm)	PCS/ CTN	Dim.(LxWxH) (mm)	G.W (kg)
BPS15-5A	15	134	104	144	-	2	150×130×140	8	320×280×300	16.5
BPS15-6A										
BPS15-7A										
BPS15-5B		144	117	144	G1"	2	155×130×150	8	330×280×320	16.5
BPS15-6B										
BPS15-7B										
BPS15-5C		150	112	145	G¾"	2	155×130×150	8	330×280×320	16.5
BPS15-6C										
BPS15-7C										
BPS15-5D		151	107	173	G1"	2.2	170×120×180	8	500×360×200	18.5
BPS15-6D										
BPS15-7D										
BPS15-5E		155	116	169	G¾"	2.2	170×120×180	8	500×360×200	18.5
BPS15-6E										
BPS15-7E										

Eiectrical And Hydraulic Data

Model	Speed	Input Power	Current	Capacitor		Max. Head	Max. Flow
		(W)	(A)	μF	Vc	(m)	(m^3/h)
BPS15-5A	3	95	0.41	2..5	450	5	2
	2	75	0.33				
	1	50	0.23				
BPS15-6A	3	105	0.43			6	
	2	80	0.36				
	1	55	0.26				
BPS15-7A	3	135	0.58	3		6.5	
	2	115	0.53				
	1	80	0.38				
BPS15-5B	3	95	0.41	2.5		5	
	2	75	0.33				
	1	50	0.23				
BPS15-6B	3	105	0.43			6	
	2	80	0.36				
	1	55	0.26				
BPS15-7B	3	135	0.58	3		6.5	
	2	115	0.53				
	1	80	0.38				
BPS15-5C	3	95	0.41	2.5		5	
	2	75	0.33				
	1	50	0.23				
BPS15-6C	3	105	0.43			6	
	2	80	0.36				
	1	55	0.26				
BPS15-7C	3	135	0.58	3		6.5	
	2	115	0.53				
	1	80	0.38				
BPS15-5D	3	95	0.41	2.5		5	
	2	75	0.33				
	1	50	0.23				
BPS15-6D	3	105	0.43			6	
	2	80	0.36				
	1	55	0.26				
BPS15-7D	3	135	0.58	3		6.5	
	2	115	0.53				
	1	80	0.38				
BPS15-5E	3	95	0.41	2.5		5	
	2	75	0.33				
	1	50	0.23				
BPS15-6E	3	105	0.43			6	
	2	80	0.36				
	1	55	0.26				
BPS15-7E	3	135	0.58	3		6.5	
	2	115	0.53				
	1	80	0.38				

05 Three Speed Circulation Pumps

XPS XPS-B XPS-F

XPS

XPS

XPS-F

Application Limits

- Liquid temperature: +2°C~ +110°C
- Maximum ambient temperature +40°C
- Maximum system pressure 10bar
- Protection level: IP44
- Mains connection: 220V/50Hz
- Insulation class:H
- Pumped liquid characteristics: clean, free from solidsand mineral oils, non-toxic, chemically neutral, closeto the characteristics of water
- Installation: the motor shaft must be kept inhorizontal direction
- PH: 6.5 to 8.5

Certificate

CE

Performance Range

Max. Flow: 10m³/h
Max. Head: 12m

Features

- 3-speed adjustment
- Low noise
- No leakage

Model Description

XPS 32 - 8 F - 220

- Distance between Inlet and Outlet(mm)
- F:Flange ,No "F" For Thread
- Max. Head (m)
- Inlet and Outlet diameter(mm)
- Basic Circulation Typ

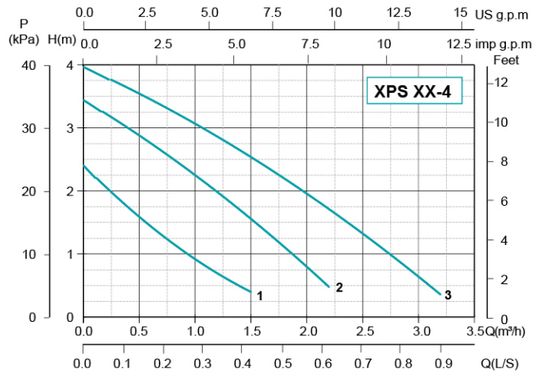
Optional Available on Request

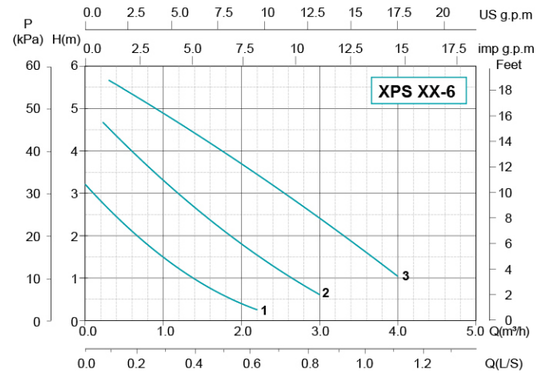
- Products can be customized according to customer's voltage and frequency
- Brass pump body, enamel pump body, stainless steel pump body

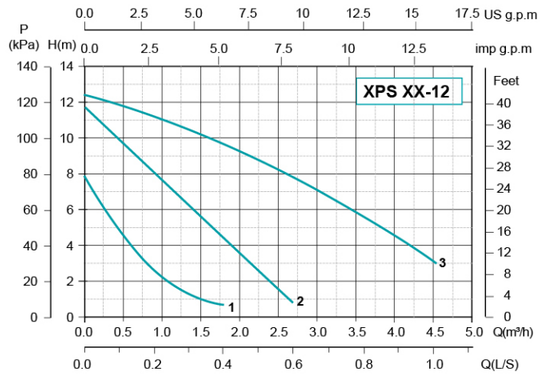
Applications Fields

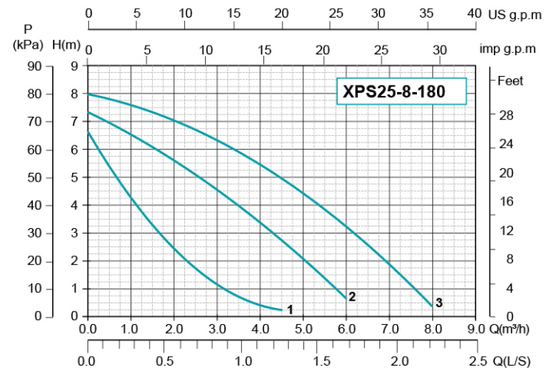
XPS pumps are designed for circulation of liquids in heating and air-conditioning systems. Pumps with bronze or stainless steel housings are also suitable for use in hot-water service systems. Examples of typical applications are mix water underfloor heating system, air energy hot water circulation system, solar hot water circulation system, etc.

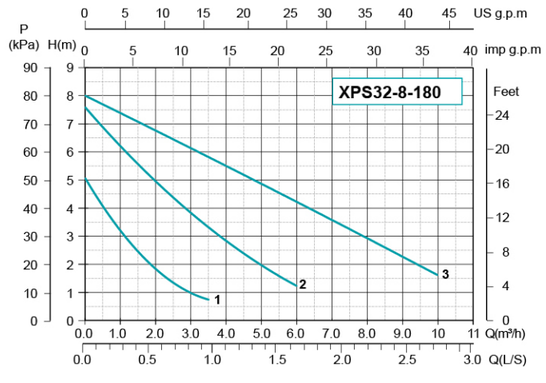
Performance Curve

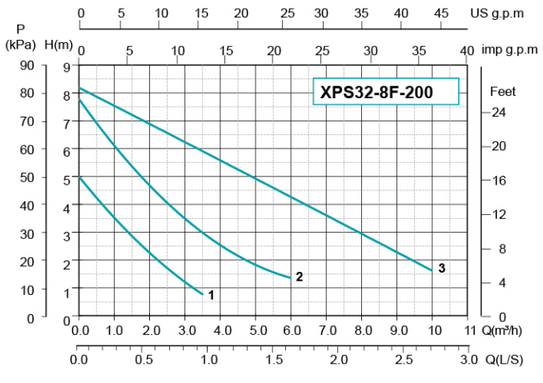




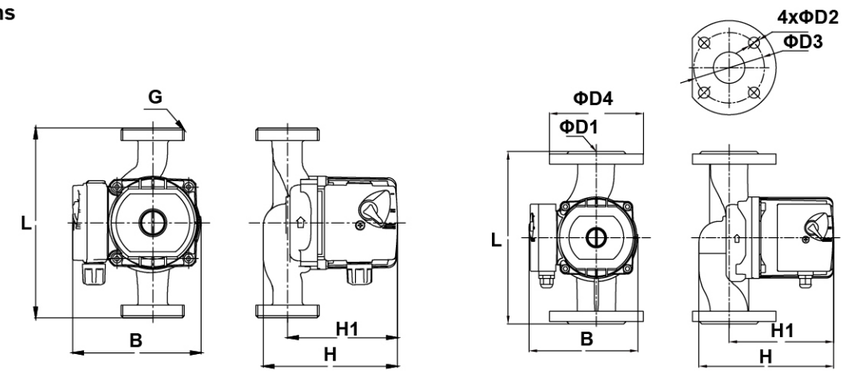








Dimensions



Model	Dimensions									Unions or Flange	N.W (kg)
	H	H1	L	G	B	D1	D2	D3	D4		
XPS15-4-130	120	105	130	G¾"	125	-	-	-	-	G¾"to G½"	2.3
XPS15-6-130											
XPS15-9-140	125	102	140	G¾"	105	-	-	-	-	G¾"to G½"	2.6
XPS20-4-130	125	105	130	G1"	130	-	-	-	-	G1"to G¾"	2.5
XPS20-6-130											
XPS25-4-130	125	105	130	G1½"	130	-	-	-	-	G1½"to G1"	2.8
XPS25-6-130											
XPS25-4-180	125	105	180	G1½"	130	-	-	-	-	G1½"to G1"	3
XPS25-6-180											
XPS32-4-180	130	105	180	G2"	130	-	-	-	-	G2"to G 1 1/4"	3.4
XPS32-6-180											
XPS20-12-180	160	135	180	G1"	150	-	-	-	-	G1"to G¾"	4.6
XPS25-8-180	160	130	180	G1½"	150	-	-	-	-	G1½"to G1"	4.8
XPS25-12-180											
XPS32-8-180	170	130	180	G2"	150	-	-	-	-	G2"to G 1 1/4"	5.2

Eiectrical And Hydraulic Data

Model	Max. Head (m)	Whole lift (m)	Max. Flow (m^3/h)	Inner Box		Outer Box			20"FCL
				G.W (kg)	Dim.(LxWxH) (mm)	PCS/ CTN	Dim.(LxWxH) (mm)	G.W (kg)	
XPS15-4-130	4	0~4	2	2.5	150x130x140	8	320×280×300	21	6664
XPS15-6-130	6	0~6	2						
XPS15-9-140	9	0~9	1.6	2.8	180x120x135	8	380×260×290	23	5880
XPS20-4-130	4	0~4	2.2	2.7	150x130x140	8	320×280×300	22	6664
XPS20-6-130	6	0~6	2.2						
XPS25-4-130	4	0~4	3	3.0	150x130x140	8	320×280×300	25	6664
XPS25-6-130	6	0~6	3						
XPS25-4-180	4	0~4	3	3.2	200x130x155	8	415×280×330	26	4800
XPS25-6-180	6	0~6	3						
XPS32-4-180	4	0~4	3.5	3.6	200x130x155	8	415×280×330	30	4800
XPS32-6-180	6	0~6	3.5						
XPS20-12-180	12	0~12	3	4.8	200x160x180	4	415×340×200	20	3200
XPS25-8-180	8	0~8	7	5.0				21	3200
XPS25-12-180	12	0~12	3.5						
XPS32-8-180	8	0~8	10	5.4				22	3200

Eiectrical And Hydraulic Data

Model	Speed	Input Power (W)	Current(A)			Capacitor		Pipe Distance (mm)
						μF/450V	μF/250V	
			220V 50HZ	220V 60Hz	127V 60Hz	220V 50HZ/60Hz	127V/ 60Hz	
XPS15-4-130	3	60	0.26	/	/	2	/	130
	2	45	0.20	/	/			
	1	30	0.13	/	/			
XPS15-6-130	3	90	0.40	0.40	0.80	2.5	6	
	2	65	0.30	0.30	0.65			
	1	45	0.20	0.20	0.4			
XPS15-9-140	3	120	0.48	0.48	0.95	3	10	140
	2	85	0.38	0.38	0.66			
	1	60	0.26	0.26	0.45			
XPS20-4-130	3	60	0.26	/	/	2	/	130
	2	45	0.20	/	/			
	1	30	0.13	/	/			
XPS20-6-130	3	90	0.40	0.40	0.80	2.5	6	
	2	65	0.30	0.30	0.65			
	1	45	0.20	0.20	0.4			
XPS25-4-130	3	60	0.26	/	/	2	/	
	2	45	0.20	/	/			
	1	30	0.13	/	/			
XPS25-6-130	3	90	0.40	0.40	0.80	2.5	6	
	2	65	0.30	0.30	0.65			
	1	45	0.20	0.20	0.4			
XPS25-4-180	3	60	0.26	/	/	2	/	180
	2	45	0.20	/	/			
	1	30	0.13	/	/			
XPS25-6-180	3	90	0.40	0.40	0.80	2.5	6	
	2	65	0.30	0.30	0.65			
	1	45	0.20	0.20	0.4			
XPS32-4-180	3	60	0.26	/	/	2	/	180
	2	45	0.20	/	/			
	1	30	0.13	/	/			
XPS32-6-180	3	90	0.40	0.40	0.80	2.5	6	
	2	65	0.30	0.30	0.65			
	1	45	0.20	0.20	0.41			
XPS20-12-180	3	245	1.04	1.04	1.80	6	20	180
	2	210	0.92	0.92	1.60			
	1	140	0.63	0.63	1.10			
XPS25-8-180	3	200	0.83	0.83	1.65	6	15	
	2	185	0.78	0.78	1.55			
	1	145	0.62	0.62	1.45			
XPS25-12-180	3	245	1.04	1.04	1.80	6	20	
	2	210	0.92	0.92	1.60			
	1	140	0.63	0.63	1.10			
XPS32-8-180	3	245	1.04	1.04	1.80	6	/	
	2	210	0.92	0.92	1.60			
	1	140	0.63	0.63	1.10			

XPS-B

Application Limits

- Medium temperature:2°C~110°C
- Ambient temperature:0°C~40°C
- Maximum system pressure: 10bar
- Protection level: IP42
- Voltage /frequency: 220V/50HZ,127V/60HZ,220V/60HZ
- Insulation class:H
- Suitable media:Clean water without particles, mineral oil. non-toxic and neutral pH
- Installation method: install along the horizontal directionof motor shaft

Certificate

XPS-B

Performance Range

Max. Flow: 6m³/h
Max. Head: 9m

Features

- Three speed adjustable
- Low noise
- No leakage
- Energy saving and environmental protection

Model Description

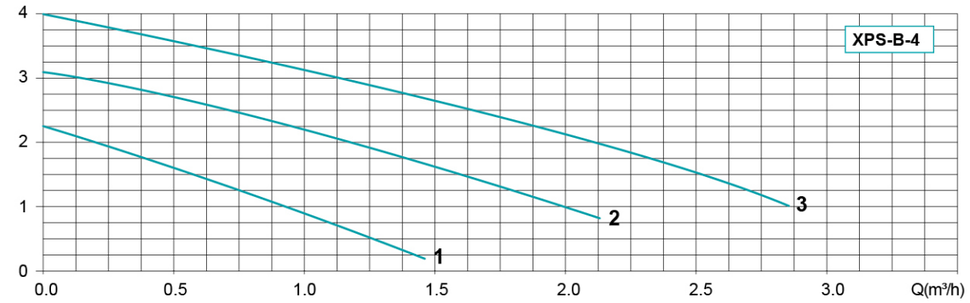
XPS 20 - 6 - 130 B

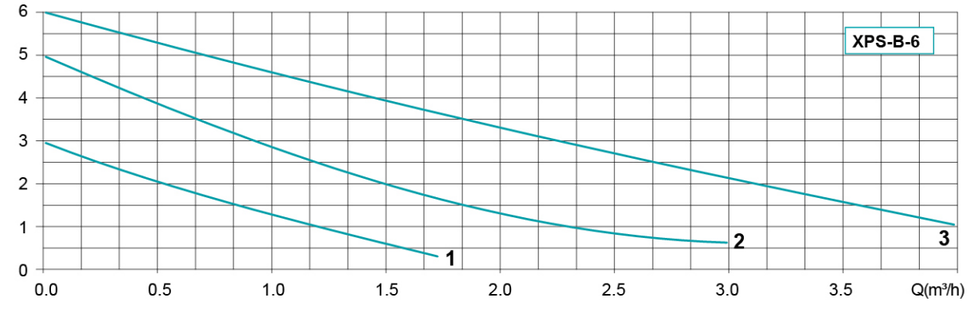
- Shimge company customization
- Distance between Inlet and Outlet(mm)
- Max. Head (m)
- Inlet and Outlet diameter(mm)
- Basic Circulation Type

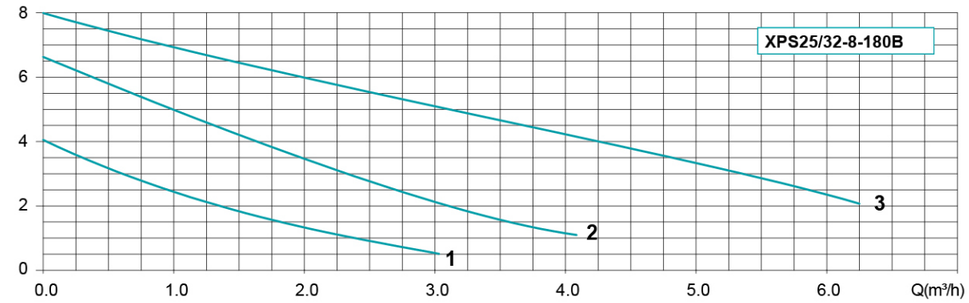
Applications Fields

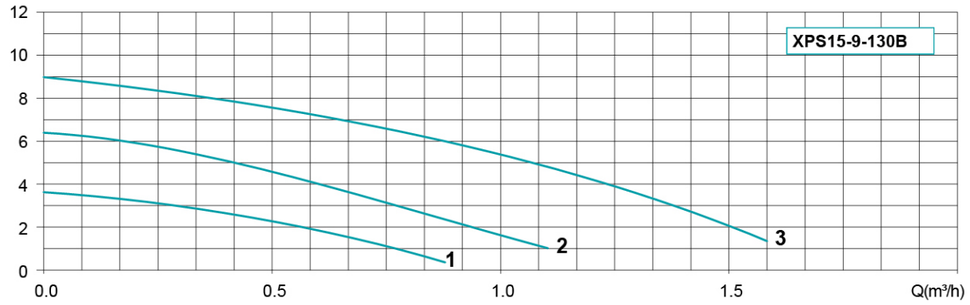
This series of products are applied to HVAC cold and hot water systems, such as floor heating mixed water system, air energy hot water circulation system, solar hot water circulation system and household cold and hot water circulation pressurization system.

Performance Curve





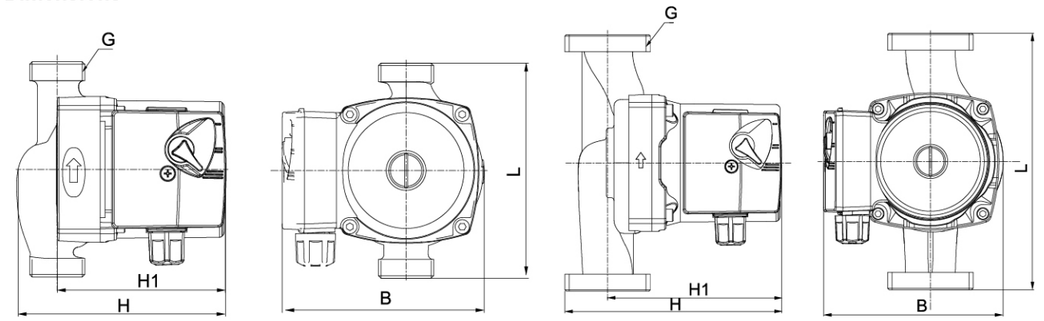




Eiectrical And Hydraulic Data

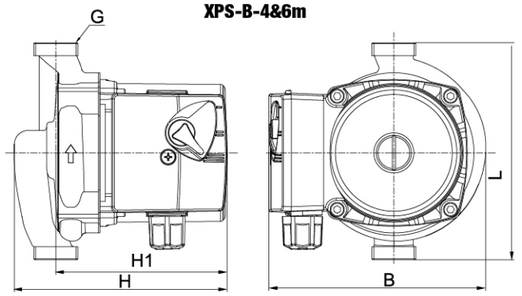
Model	Pipe Distance (mm)	Voltage	Speed	Input Power (W)	Current (A)	Capacitor		Max. Head (m)	Max. Flow (m^3/h)
						μF	Vc		
XPS15-4-130B	130	220V/50HZ	3	70	0.35	2.5	450	4	2
			2	50	0.25				
			1	40	0.18				
XPS15-6-130B			3	100	0.5	3		6	2
			2	70	0.35				
			1	45	0.2				
XPS15-9-130B			3	120	0.58	3		9	1.6
			2	90	0.42				
			1	55	0.26				
XPS20-4-130B			3	70	0.35	2.5		4	3
			2	50	0.25				
			1	40	0.18				
XPS20-6-130B			3	100	0.5	3		6	3
			2	70	0.35				
			1	45	0.2				
XPS25-4-130B			3	70	0.35	2.5		4	3
			2	50	0.25				
			1	40	0.18				
XPS25-6-130B			3	100	0.5	3		6	3
			2	70	0.35				
			1	45	0.2				
XPS25-4-180B	180		3	70	0.35	2.5		4	3
			2	55	0.25				
			1	40	0.18				
XPS25-6-180B			3	100	0.5	3		6	3
			2	70	0.35				
			1	45	0.2				
XPS32-4-130B	130		3	70	0.35	2.5		4	3.5
			2	50	0.25				
			1	40	0.18				
XPS32-6-130B			3	100	0.5	3		6	3.5
			2	70	0.35				
			1	45	0.2				
XPS32-4-130B			3	70	0.35	2.5		4	3.5
			2	50	0.25				
			1	40	0.18				
XPS32-6-130B			3	100	0.5	3		6	3.5
			2	70	0.35				
			1	45	0.2				
XPS32-4-180B	180		3	70	0.35	2.5		4	3.5
			2	50	0.25				
			1	40	0.18				
XPS32-6-180B			3	100	0.5	3		6	3.5
			2	70	0.35				
			1	45	0.2				
XPS25-8-180B			3	180	0.85	4		7.5	5
			2	150	0.75				
			1	90	0.5				
XPS32-8-180B			3	180	0.85	4		7.5	6
			2	150	0.75				
			1	90	0.5				

Dimensions



XPS-B-4&6m

XPS-B-8m



XPS-B-9m

Model	Dim(mm)						Inner Box		Outer Box		
	H	H1	L	B	G	Unions	G.W (kg)	Dim.(LxWxH) (mm)	PCS/ CTN	Dim.(LxWxH) (mm)	G.W (kg)
XPS15-4-130B	125	102	130	122	G¾"	G¾"-G1½"	2.60	150×130×140	8	320×280×300	20
XPS15-6-130B	125	102	130	122	G¾"	G¾"-G1½"	2.75	150×130×140		320×280×300	23
XPS15-9-130B	127	102	130	130	G¾"	G¾"-G1½"	2.80	180×120×135		380×260×290	23
XPS20-4-130B	125	102	130	122	G1"	G1"-G¾"	2.60	150×130×140		320×280×300	20
XPS20-6-130B	125	102	130	122	G1"	G1"-G¾"	2.75	150×130×140		320×280×300	23
XPS25-4-130B	125	102	130	123	G1½"	G1½"-G1"	2.60	150×130×140		320×280×300	20
XPS25-6-130B	125	102	130	123	G1½"	G1½"-G1"	2.75	150×130×140		320×280×300	23
XPS25-4-180B	127	103	180	123	G1½"	G1½"-G1"	2.80	200×130×155		420×280×330	23
XPS25-6-180B	127	103	180	123	G1½"	G1½"-G1"	2.90	200×130×155		420×280×330	24
XPS32-4-130B	133	103	130	123	G2"	G2"-G1¼"	2.80	165×120×140		350×270×300	24
XPS32-6-130B	133	103	130	123	G2"	G2"-G1¼"	2.80	165×120×140		350×270×300	24
XPS32-4-180B	133	103	180	123	G2"	G2"-G1¼"	3.10	200×130×155		420×280×330	25
XPS32-6-180B	133	103	180	123	G2"	G2"-G1¼"	3.30	200×130×155		420×280×330	27
XPS25-8-180B	152	122	180	126	G1½"	G1½"-G1"	3.80	200×135×165	4	420×290×185	16
XPS32-8-180B	152	122	180	126	G2"	G2"-G1¼"	3.80	200×135×165		420×290×185	16

XPS-F

Application Limits

- Liquid temperature: +2°C~ +110°C
- Maximum ambient temperature +40°C
- Maximum system pressure 10bar
- Protection level: IP44
- Mains connection: 380V/50Hz
- Insulation class: F
- Pumped liquid characteristics: clean, free from solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water
- Installation: the motor shaft must be kept in horizontal direction
- PH: 6.5 to 8.5

Certificate

Performance Range

Max. Flow: 42m³/h
Max. Head: 18m

Features

- Wet rotor, canned motor, low noise, no leakage
- Silicon carbide friction pair, which is very wear-resisting

Model Description

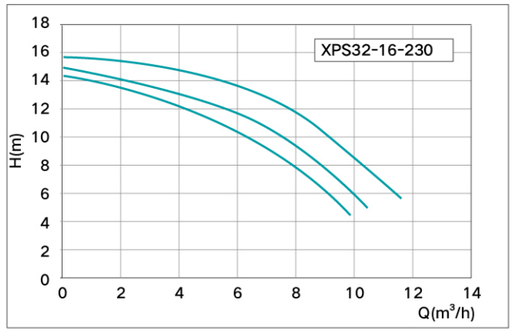
XPS 50 - 16 F - 280

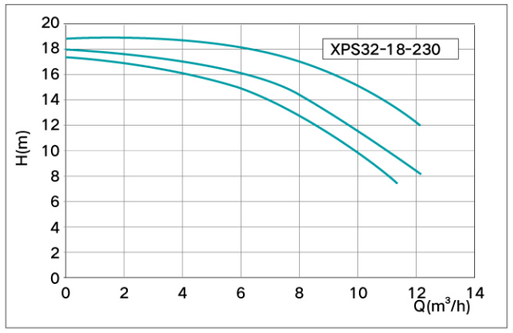
- 280: Distance between Inlet and Outlet(mm)
- F: F:Flange ,No "F" For Thread
- 16: Max. Head (m)
- 50: Inlet and Outlet diameter(mm)
- XPS: Hot Water Circulation Pumps

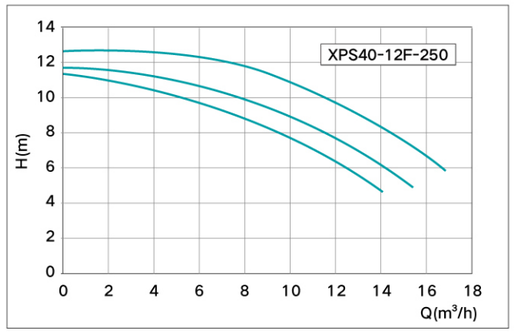
Applications Fields

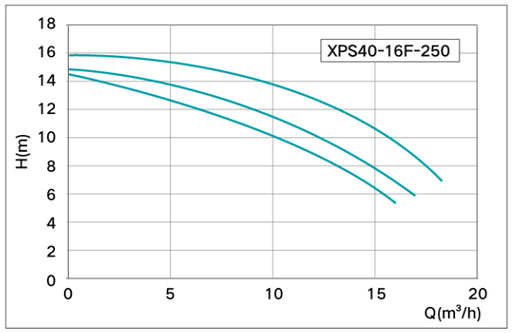
For HVAC systems such as air energy hot water circulation system, solar hot water circulation system, boiler heating system, pressurization of domestic tap water, industry hot or cold water circulation system, etc.

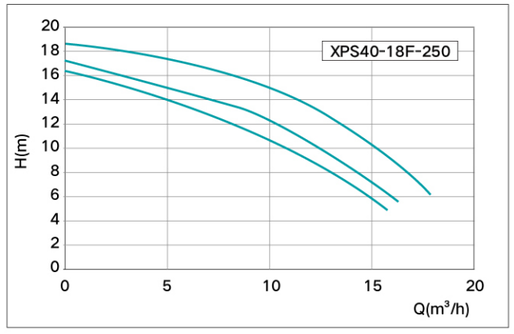
Performance Curve

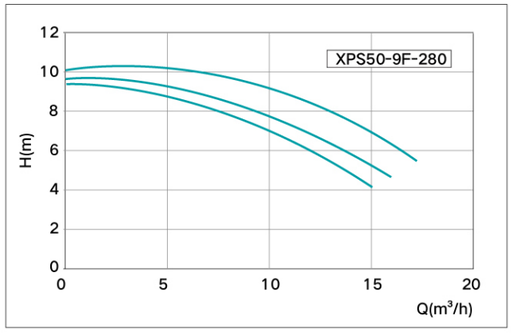


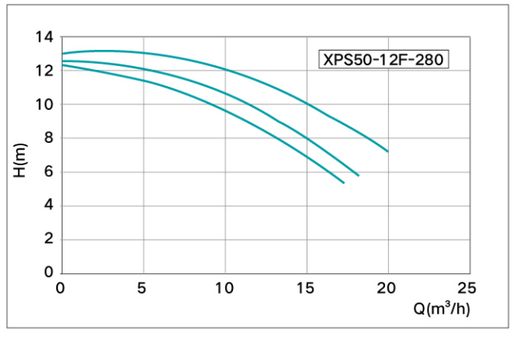


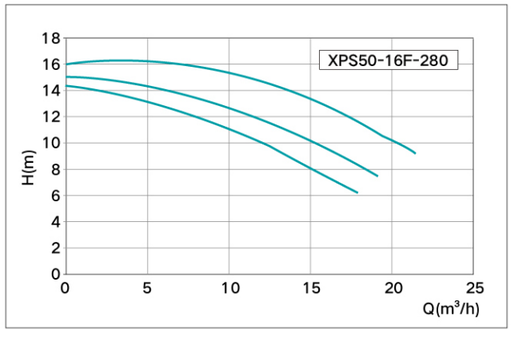












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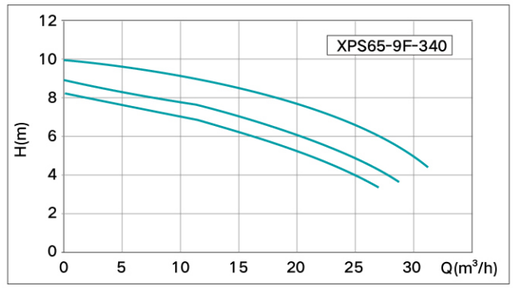
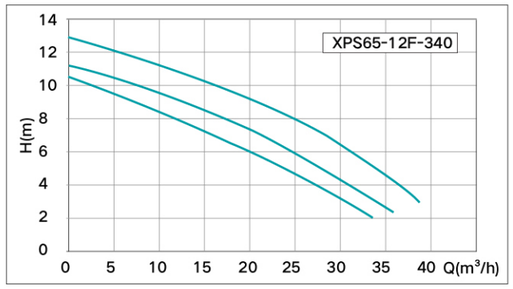
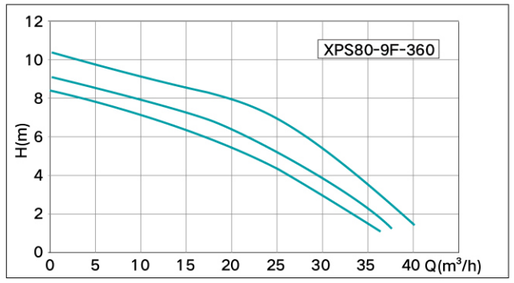
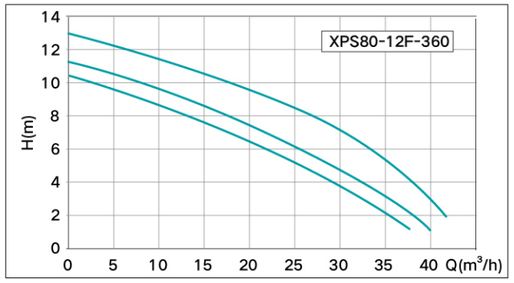
Performance Curve

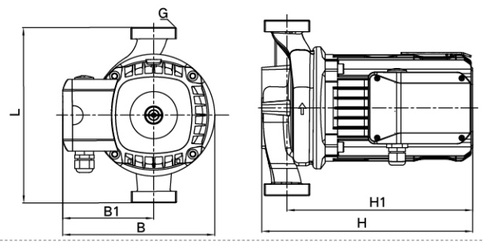




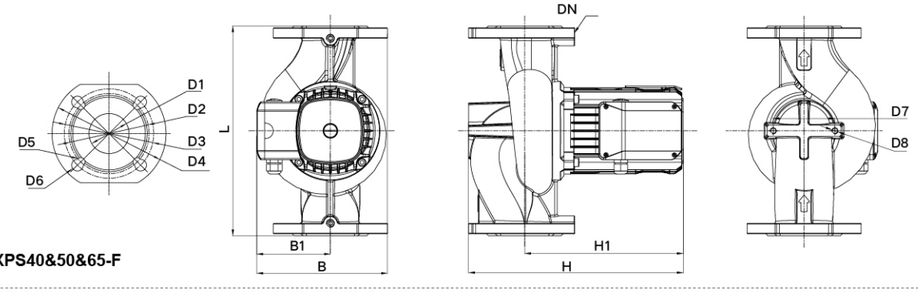




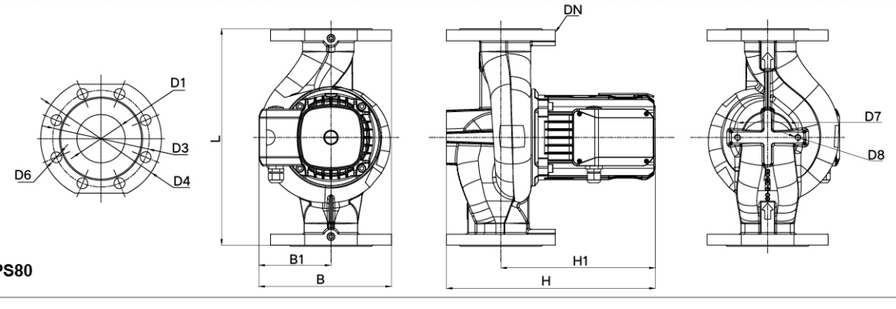
Dimensions



XPS32



XPS40&50&65-F



XPS80

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Model	Dim(mm)															Flange
	H	H1	B	B1	L	D1	D2	D3	D4	D5	D6	G	DN	D7	D8	
XPS32-16-230	277	244	200	120	230	/	/	/	/	/	/	G2	/	/	/	G2"to G11/4"
XPS32-18-230	277	244	200	120	230	/	/	/	/	/	/	G2	/	/	/	G2"to G11/4"
XPS40-12F-250	300	244	205	119	250	40	100	110	150	14	19	/	DN40	80	M8×16	DN40 to G11/2"
XPS40-16F-250	300	244	205	119	250	40	100	110	150	14	19	/	DN40	80	M8×16	DN40 to G11/2"
XPS40-18F-250	302	245	211	119	250	40	100	110	150	14	19	/	DN40	80	M8×16	DN40 to G11/2"
XPS50-9F-280	332	245	206	119	280	50	110	125	165	14	19	/	DN50	90	M10×16	DN50 to G2"
XPS50-12F-280	332	245	206	119	280	50	110	125	165	14	19	/	DN50	90	M10×16	DN50 to G2"
XPS50-16F-280	332	245	206	119	280	50	110	125	165	14	19	/	DN50	90	M10×16	DN50 to G2"
XPS65-9F-340	329	248	217	119	340	70	130	145	185	14	19	/	DN65	100	M10×16	DN65 to G21/2"
XPS65-12F-340	348	257	212	119	340	70	130	145	185	14	19	/	DN65	100	M10×16	DN65 to G21/2"
XPS80-9F-360	345	255	219	119	360	80	/	160	200	/	18	/	DN80	100	M10×16	DN80 to G3"
XPS80-12F-360	347	257	219	119	360	80	/	160	200	/	19	/	DN80	100	M10×16	DN80to G3"

Eiectrical And Hydraulic Data

Model	Voltage	Speed	Input Power (W)	Current (A)	Rated. flow (m³/h)	Rated head (m)	Max. Flow (m³/h)	Max. Head (m)	Inner Box		
									N.W(kg)	G.W(kg)	Dim. (L×W×H)
XPS32-16-230	380V/50HZ	3	700	1.9	5	12.5	11	16	12.0	14.0	330X275X240
		2	550	1							
		1	500	0.8							
XPS32-18-230		3	1000	2.5	5	16	13	18	13.5	15.5	330X275X240
		2	800	1.4							
		1	700	1.2							
XPS40-12F-250		3	700	1.9	8	8	16	12	17.5	22.6	350X300X240
		2	550	1							
		1	500	0.8							
XPS40-16F-250		3	1000	2.5	8	12.5	18	16	18.5	23.6	350X300X240
		2	800	1.4							
		1	700	1.2							
XPS40-18F-250		3	1300	3	8	16	18	18	19.5	24.0	350X300X240
		2	1000	1.8							
		1	900	1.6							
XPS50-9F-280		3	700	1.9	12.5	5	19	9	19.5	26.5	380X330X250
		2	550	1							
		1	500	0.8							
XPS50-12F-280		3	1000	2.5	12.5	8	22	12	21.0	28.0	380X330X250
		2	800	1.4							
		1	700	1.2							
XPS50-16F-280		3	1300	3	12.5	12.5	24	16	22.0	29.0	380X330X250
		2	1000	1.8							
		1	900	1.6							
XPS65-9F-340		3	1000	2.5	20	5	31	9	23.7	32.0	400X380X270
		2	800	1.4							
		1	700	1.3							
XPS65-12F-340		3	1300	3	20	8	38	12	26.0	34.5	400X380X270
		2	1000	1.8							
		1	900	1.6							
XPS80-9F-360		3	1000	2.5	20	5	40	9	26.0	38.0	415X410X280
		2	800	1.4							
		1	700	1.2							
XPS80-12F-360		3	1300	3	20	8	42	12	27.5	39.5	415X410X280
		2	1000	1.8							
		1	900	1.6							

06 Automatic Pressurizing Pumps

ZP/ZPS ZP(S)-B

ZP/ZPS

Application Limits

- Liquid temperature: +2°C~+90°C
- Maximum ambient temperature +40°C
- Maximum system pressure 10bar
- Protection level: IP44
- Mains connection: 220V/50Hz、220V/60Hz、127V/60Hz
- Insulation class: H
- Pumped liquid characteristics: clean, free from solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water
- Installation: the motor shaft must be kept in horizontal direction
- pH: 6.5 to 8.5

Certificate

Performance Range

Max. Flow: 3.5m^3/h
Max. Head: 12m

Features

- Automatic mode and manual mode is available
- Low noise, no leakage
- Flow switch automatic control

Model Description

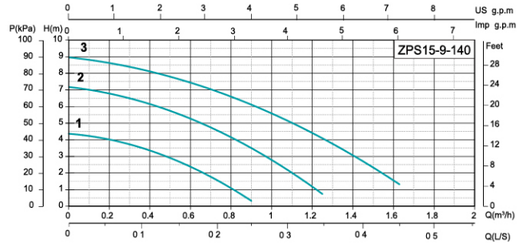
ZPS 20 - 12 - 180

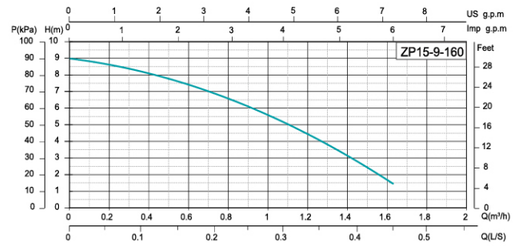
- 180 — Distance Between InletAnd Outlet(mm)
- 12 — Max.Head(m)
- 20 — InletAnd Outlet Diameter(mm)
- ZPS — Automatic Pressure CirculationType

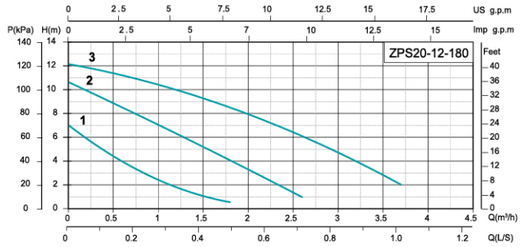
Applications Fields

For automatic pressurization of domestic tap water,solar system pressurization, hot or cold water pipelinepressurization, etc.

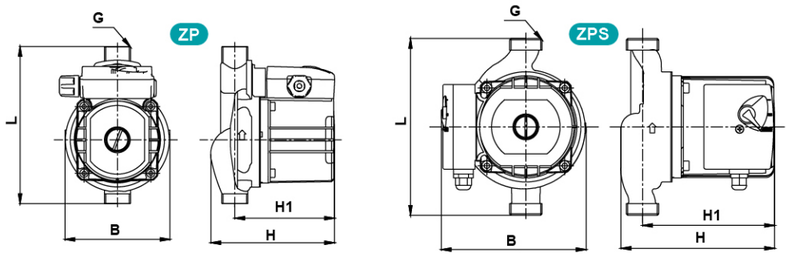
Performance Curve







Dimensions



Model	Dimensions					Unions or Flange	N.W (kg)
	H	H1	L	G	B		
ZP15-9-160	125	102	160	¾"	105	G¾"to G½"	2.6
ZPS15-9-140	125	102	140	¾"	105	G¾"to G½"	2.6
ZPS20-12-180	156	135	180	1"	145	G1"to G¾"	4.6

Model	Speed	Input Power P1(W)	Current (A)			Capacitor		Pipe Distance (mm)	Max.head (m)
			220V 50Hz	220V 60Hz	127V 60Hz	μF/450V 220V 50Hz/60Hz	μF/250V 127V/60Hz		
ZP15-9-160	-	120	0.48	0.48	0.95	3	10	160	9
ZPS15-9-140	3	120	0.48	0.48	0.95	3	10	140	9
	2	85	0.38	0.38	0.66				
	1	60	0.26	0.26	0.45				
ZPS20-12-180	3	245	1.04	1.04	1.80	6	20	180	12
	2	210	0.92	0.92	1.60				
	1	140	0.63	0.63	1.10				

Model	Whole life (m)	Max. flow (m^3/h)	Inter Box		Outer Box			20" Loading Qty(pcs)
			GW (kg)	Dim. (L×W×H)	PCS/CTN	Dim. (L×W×H)	GW (kg)	
ZP15-9-160	0~9	1.6	2.8	180x120x135	8	380x260x290	23	5800
ZPS15-9-140	0~9	1.6						
ZPS20-12-180	0~12	3.5	5	200x160x180	4	415x340x200	21	3200

ZP(S)-B

Application Limits

- Liquid temperature: +2°C~+90°C
- Maximum ambient temperature +40°C
- Maximum system pressure 1.0MPa
- Protection level: IP42
- Mains connection: 115V/127V/220V, 50/60Hz
- Insulation class: H
- Pumped liquid characteristics: clean, free from solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water
- Installation: the motor shaft must be kept in horizontal direction
- pH: 6.5 to 8.5

Certificate

Performance Range

Max. Flow: 3.5m^3/h
Max. Head: 18m

Features

- Automatic mode and manual mode is available
- Low noise, no leakage
- Flow switch automatic control

Model Description

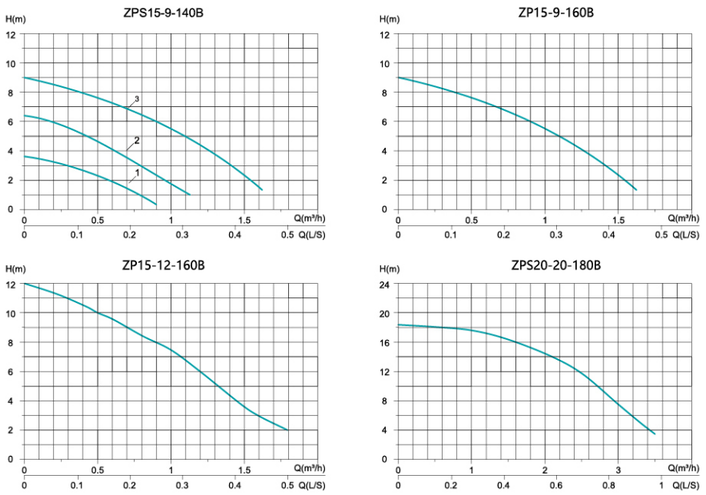
ZPS 20 - 12 - 180 B

- B: Company customization
- 180: Distance Between InletAnd Outlet(mm)
- 12: Max.Head(m)
- 20: InletAnd Outlet Diameter(mm)
- ZPS: Automatic Pressure CirculationType

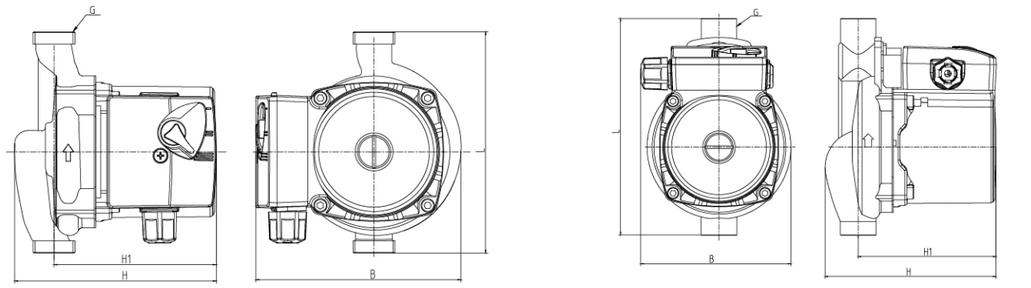
Applications Fields

For automatic pressurization of domestic tap water,solar system pressurization, hot or cold water pipelinepressurization, etc.

Performance Curve



Dimensions



ZPS15-9-140B　　ZP15-9-160B

ZP15-12-160B　　ZPS20-20-180B

Model	Dimensions					Unions or Flange	N.W (kg)
	H	H1	L	G	B		
ZPS15-9-140B	125	102	140	G¾"	122	G¾"to G½"	2.6
ZP15-9-160B	125	102	160	G¾"	111	G¾"to G½"	2.6
ZP15-12-160B	125	102	160	G¾"	111	G¾"to G½"	2.6
ZPS20-20-180B	165	135	180	G1"	150	G1"to G¾"	4.6

Model	Speed	Input Power P1(W)	Current (A)				Capacitor			
			220V 50Hz	220V 60Hz	115V 60Hz	127V 60Hz	220V 50Hz	220V 60Hz	115V 60Hz	127V 60Hz
ZPS15-9-140B	3	120	0.48	-	-	-	3	3	10	10
	2	90	0.42	-	-	-				
	1	55	0.26	-	-	-				
ZP15-9-160B	-	120	0.58	0.56	1.0	1.05	3	3	10	10
ZP15-12-160B	-	160	-	0.75	-	1.25	-	3	10	10
ZPS20-20-180B	3	350	-	1.6	-	2.8	-	8	-	20
	2	310	-	1.4	-	2.6				
	1	210	-	1	-	1.8				

Model	Pipe Distance (mm)	Max. head (m)	Whole life (m)	Max. flow (m^3/h)	Inter Box		Outer Box			20" Loading Qty(pcs)
					GW (kg)	Dim. (L×W×H)	PCS/CTN	Dim. (L×W×H)	GW (kg)	
ZPS15-9-140B	140	9	0~9	1.6	2.8	180x125x135	8	320x260x290	23	5880
ZP15-9-160B	160	9	0~9	1.6	2.8	180x125x135	8	320x260x290	23	5880
ZP15-12-160B	160	12	0~12	1.8	2.8	180x125x135	8	320x260x290	23	5880
ZPS20-20-180B	180	18	0~18	3.5	4.9	200x160x180	4	415x340x200	20.5	3200

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for better life

07 SINGLE SPEED CIRCULATION PUMP

XP/XP-F XP-B

XP/XP-F

XP-F

XP

Application Limits

- Liquid temperature: +2°C~+110°C
- Maximum ambient temperature +40°C
- Maximum system pressure 10bar
- Protection level: IP44
- Mains connection: 220V/50Hz□380V/50Hz
- Insulation class: F
- Pumped liquid characteristics: clean, free from solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water
- Installation: the motor shaft must be kept in horizontal direction
- PH: 6.5 to 8.5

Certificate

CE

Performance Range

Max. Flow: 30m³/h
Max. Head: 18m

Features

- Wet rotor, canned motor, low noise, no leakage
- Silicon carbide friction pair, which is very wear-resisting

Optional Available on Request

- Products can be customized according to customer's voltage and frequency
- Brass pump body, enamel pump body, stainless steel pump body

Model Description

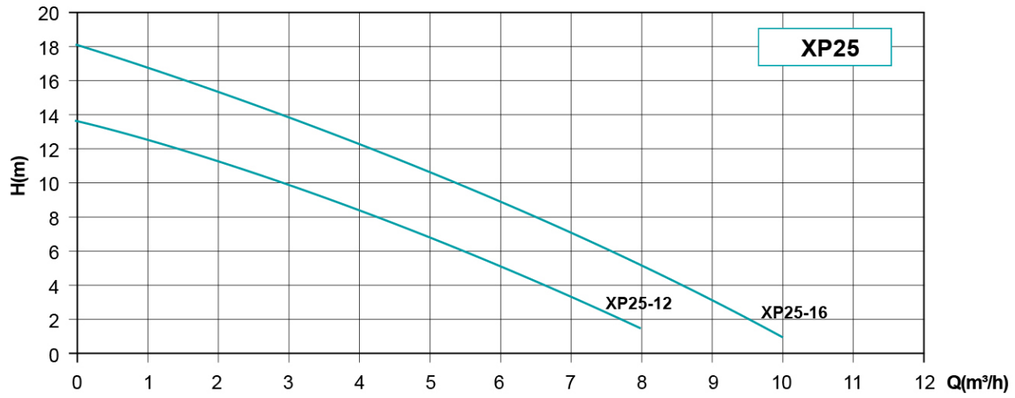
XP 40 - 12 F - 250

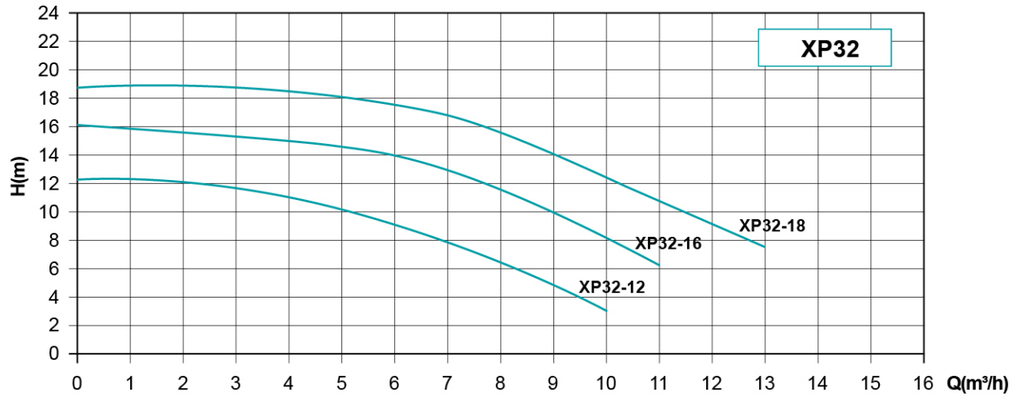
- 250: Distance between Inlet and Outlet(mm)
- F: F:Flange ,No "F" For Thread
- 12: Max. Head (m)
- 40: Inlet and Outlet diameter(mm)
- XP: Hot Water Circulation Pumps

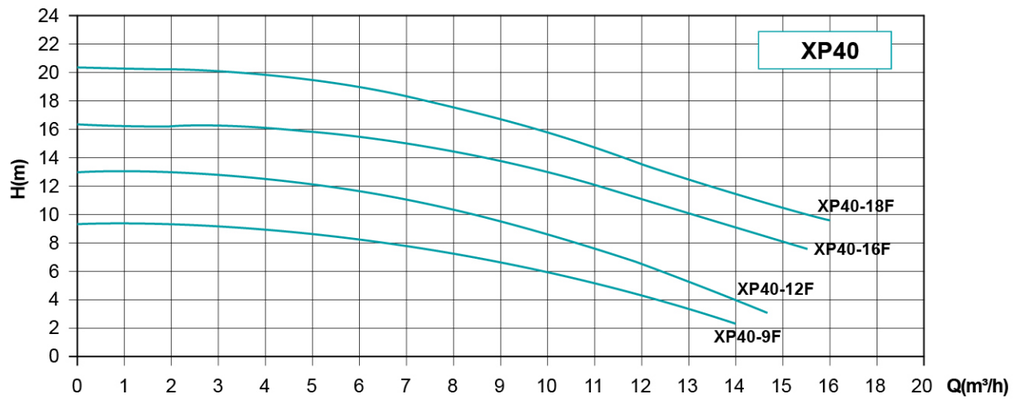
Applications Fields

For HVAC systems such as air energy hot water circulation system, solar hot water circulation system, boiler heating system, pressurization of domestic tap water, industry hot or cold water circulation system, etc.

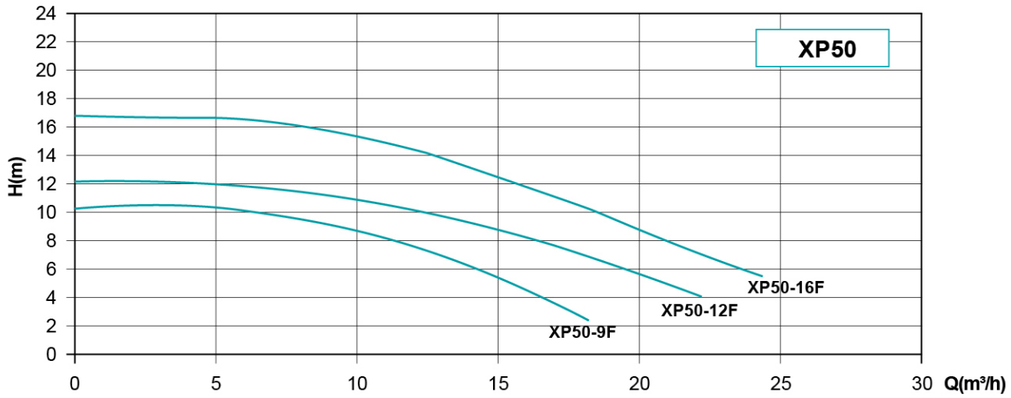
Performance Curve

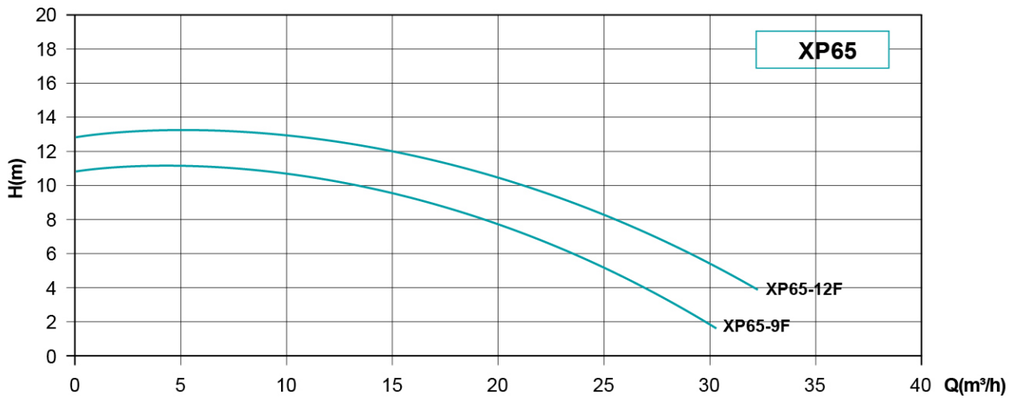


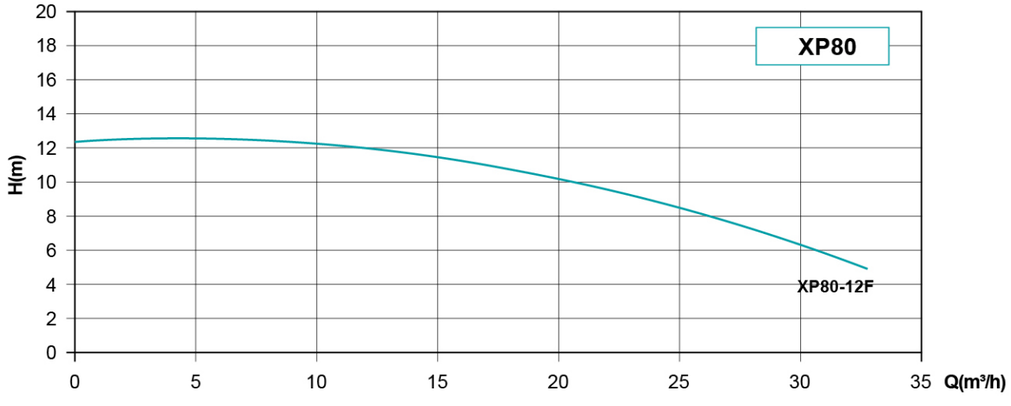




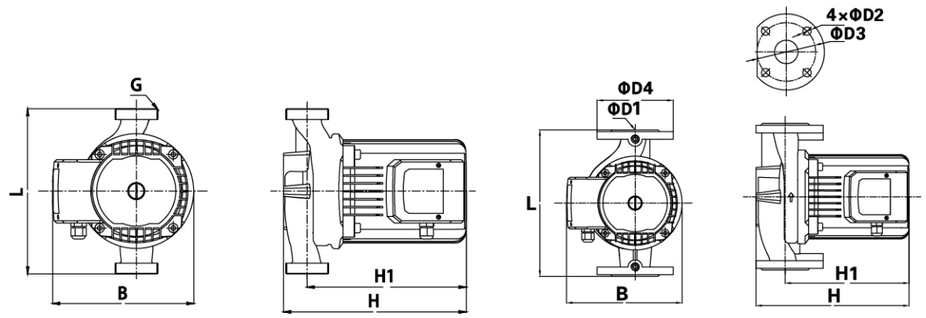
Performance Curve







Dimensions



Model	Dim(mm)									Flange	G.W(kg)
	H	H1	L	G	B	D1	D2	D3	D4		
XP25-12-200	202	163	200	G1½	165	-	-	-	-	G1-1/2" to G1"	6.6
XP25-16-220	213	171	220	G1½	173	-	-	-	-	G1-1/2" to G1"	8.2
XP32-12-220	245	200	220	2"	200	-	-	-	-	G2"to G1-1/4"	9.5
XP32-16-230	255	220	230	2"	215	-	-	-	-	G2"to G1-1/4"	12
XP32-18-230	255	220	230	2"	215	-	-	-	-	G2"to G1-1/4"	13
XP40-9F-250	255	200	250	DN40	200	40	14	100	130	DN40 to G1-1/2"	14.5
XP40-12F-250	265	210	250	DN40	215	40	14	100	130	DN40 to G1-1/2"	18
XP40-16F-250	265	210	250	DN40	215	40	14	100	130	DN40 to G1-1/2"	18
XP40-18F-250	265	210	250	DN40	215	40	14	100	130	DN40 to G1-1/2"	18.5
XP50-9F-280	280	220	280	DN50	215	50	14	110	140	DN50 to G2"	19
XP50-12F-280	280	220	280	DN50	215	50	14	110	140	DN50 to G2"	20
XP50-16F-280	280	220	280	DN50	215	50	14	110	140	DN50 to G2"	21
XP65-9F-300	290	220	300	DN65	215	65	14	130	160	DN65 to G2-1/2"	23
XP65-12F-300	290	220	300	DN65	215	65	14	130	160	DN65 to G2-1/2"	24

Eiectrical And Hydraulic Data

Model	Input Power P1 (W)	Current (A)		Capacitor	Pipe Distance (mm)	Max. head (m)	Whole lift (m)	Max. Flow (m^3/h)	G.W (kg)	Dim. (L×W×H) (mm)	20'' Loading Qty (pcs)
		220V/50HZ	380V/50HZ (PH3)	μF/450V 220V/50HZ							
XP25-12-200	300	1.5	/	10	200	12	0-12	8	7.5	235x200x230	-
XP25-16-220	500	2.4	/	10	220	16	0-16	10	9.2	255x205x240	-
XP32-12-220	500	2.2	/	10	220	12	0~12	10	10.5	250x210x275	1540
XP32-16-230	700	3.4	2	12.5	230	16	0~16	11	13	285x265x235	1368
XP32-18-230	1000	4.9	2	16	250	18	0~18	12	14	285x265x235	1368
XP40-9F-250	500	2.2	2	10	250	9	0~9	14	15.5	275x210x285	1200
XP40-12F-250	700	3.4	2	12.5	250	12	0~12	14	19	300x285x215	1197
XP40-16F-250	1000	4.9	2	16	250	16	0~16	15	19	300x285x215	1197
XP40-18F-250	1300	6.5	2.9	25	250	18	0~18	15	19.5	300x285x215	1197
XP50-9F-280	700	3.4	2	12.5	280	9	0~9	18	20	310x305x215	1071
XP50-12F-280	1000	4.9	2	16	280	12	0~12	22	21	310x305x215	1071
XP50-16F-280	1300	6.5	2.9	25	280	16	0~16	22	22	310x305x215	1071
XP65-9F-300	1000	4.9	2	16	300	9	0~9	30	24	325x325x225	1071
XP65-12F-300	1300	6.5	2.9	25	300	12	0~12	30	25	325x325x225	1071

XP-B

Application Limits

- Liquid temperature: +2°C +110°C
- Maximum ambient temperature +40°C
- Maximum system pressure 10bar
- Protection level: IP44
- Mains connection: 220V/50Hz、380V/50Hz
- Insulation class: F
- Pumped liquid characteristics: clean, free from solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water
- Installation: the motor shaft must be kept in horizontal direction
- PH: 6.5 to 8.5

Certificate

CE

Performance Range

Max. Flow: 44m³/h
Max. Head: 18m

Features

- Electrophoretic coating pump body to prevent condensate corrosion
- Silicon carbide friction pair, long service life
- Easy installation, integrated PN6/PN10 flange (pipe diameter DN40 to DN80)
- Shielded motor, wet rotor technology, noise as low as 50 dB
- Multiple verification tests, reliable performance
- No leakage, maintenance-free

Model Description

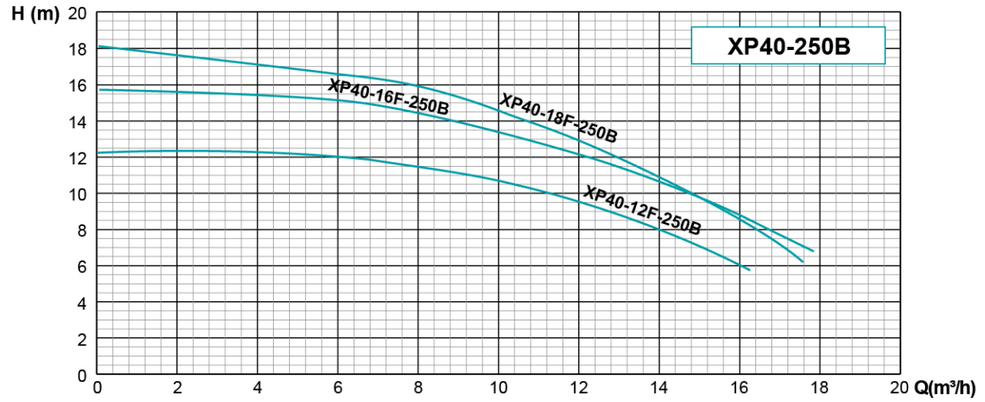
XP 40 - 12 F - 250 B

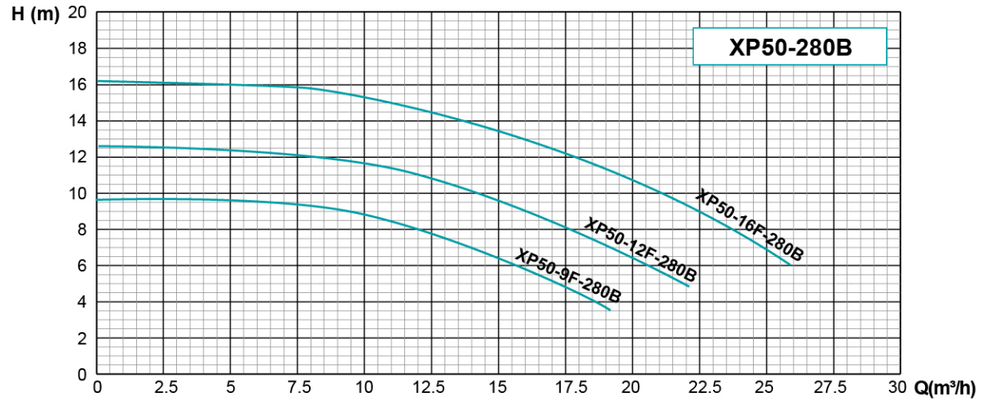
- B: Shimge feature code
- 250: Distance between Inlet and Outlet(mm)
- F: F:Flange ,No "F" For Thread
- 12: Max. Head (m)
- 40: Inlet and Outlet diameter(mm)
- XP: High-Power Circulation Type

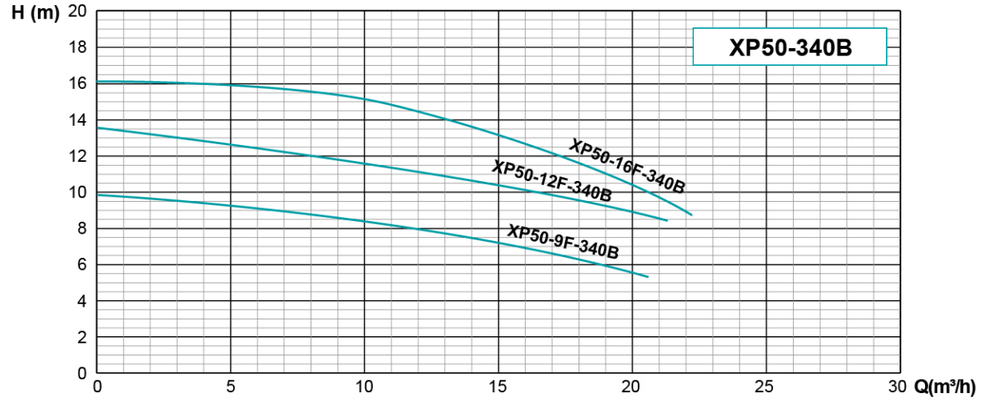
Applications Fields

- Hot water system
- Air-condition system circulation and heating system
- Industrial circulation system

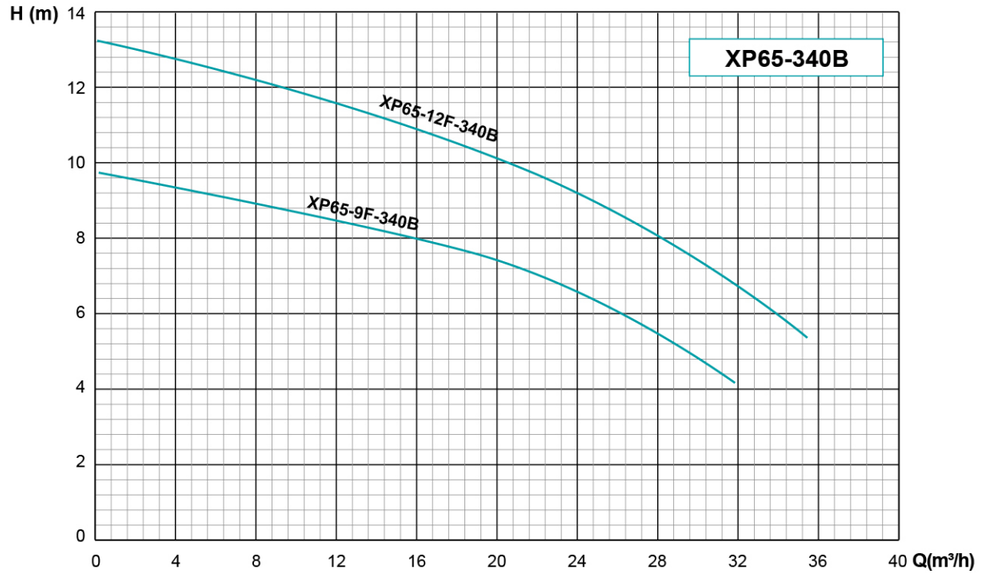
Performance Curve

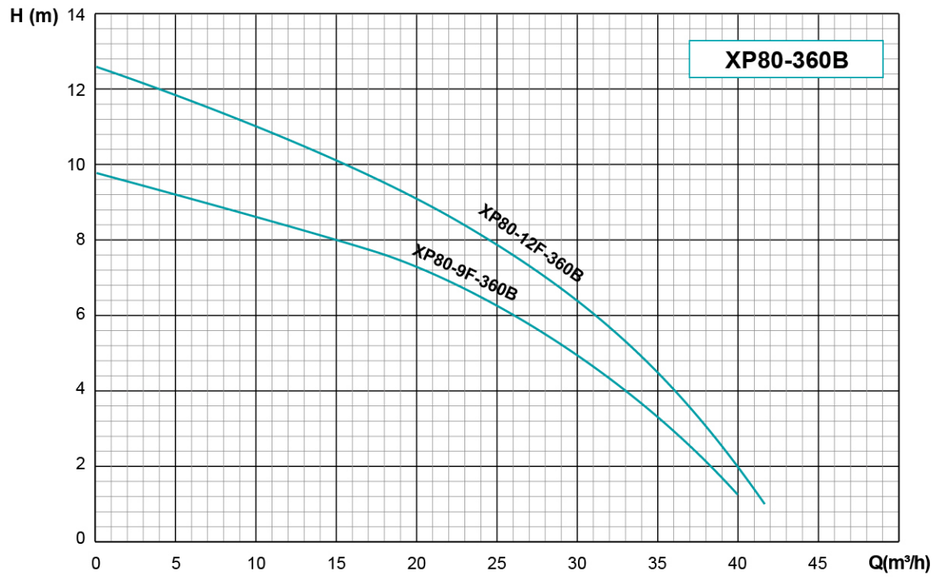






Performance Curve

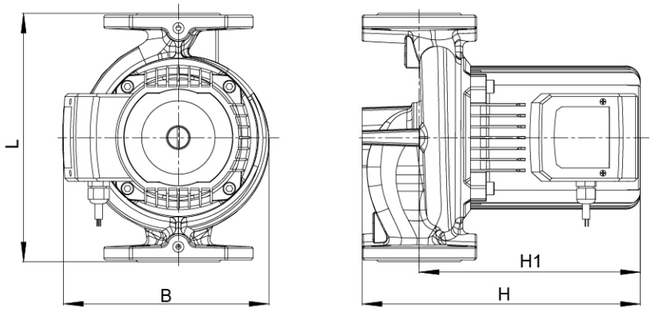




Eiectrical And Hydraulic Data

Model	Pipe Distance	Input power	Current		Capacitor μF/450V	Max. Head	Max. flow	Rated. flow	Rated. head
	(mm)	(W)	220V/50Hz	380V/50Hz(PH3)	220V/50Hz	(m)	(m^3/h)	(m^3/h)	(m)
XP40-12F-250B	250	700	3.4	2	12.5	12	16	8	8
XP40-16F-250B	250	1000	4.9	2	16	16	18	8	12.5
XP40-18F-250B	250	1300	6.5	2.9	25	18	18	8	16
XP50-9F-280B	280	700	3.4	2	12.5	9	16	12.5	5
XP50-12F-280B	280	1000	4.9	2	16	12	20	12.5	8
XP50-16F-280B	280	1300	6.5	2.9	25	16	22	12.5	12.5
XP50-9F-340B	340	700	3.4	2	12.5	9	19	12.5	5
XP50-12F-340B	340	1000	4.9	2	16	12	22	12.5	8
XP50-16F-340B	340	1300	6.5	2.9	25	16	22	12.5	12.5
XP65-9F-340B	340	1000	4.9	2	16	9	30	20	5
XP65-12F-340B	340	1300	6.5	2.9	25	12	38	20	8
XP80-9F-360B	360	1000	4.9	2	16	9	40	20	5
XP80-12F-360B	360	1300	6.5	2.9	25	12	44	20	8

Dimensions



Model	Dim(mm)				Flange	Inner Box (mm)	N.W (kg)	G.W (kg)
	H	H1	L	B				
XP40-12F-250B	278	220	250	203	DN40 to G1-1/2"	340X290X240	17.5	22.0
XP40-16F-250B	278	220	250	203	DN40 to G1-1/2"	340X290X240	18.5	22.5
XP40-18F-250B	280	222	250	208	DN40 to G1-1/2"	340X290X240	18.5	22.5
XP50-9F-280B	309	223	280	204	DN50 to G2"	380X330X250	20.5	26.5
XP50-12F-280B	309	223	280	204	DN50 to G2"	380X330X250	20.5	26.5
XP50-16F-280B	309	223	280	204	DN50 to G2"	380X330X250	20.5	26.5
XP50-9F-340B	311	226	340	208	DN50 to G2"	380x370x250	21.5	28.5
XP50-12F-340B	311	226	340	208	DN50 to G2"	380x370x250	23.0	30.0
XP50-16F-340B	309	223	340	204	DN50 to G2"	380x370x250	23.0	30.0
XP65-9F-340B	307	226	340	218	DN65 to G2-1/2"	390x370x270	24.5	32.5
XP65-12F-340B	326	235	340	209	DN65 to G2-1/2"	390x370x270	26.0	34.0
XP80-9F-360B	324	234	360	218	DN80 to G3"	410x400x280	27.0	38.5
XP80-12F-360B	325	235	360	217	DN80 to G3"	410x400x280	27.5	39.5

08 Hot Water Circulation Pumps

CPH CPHB

SHIMGE for better life

CPH

Application Limits

- Suction head up to 7m
- Liquid temperature up to +100°C
- Ambient temperature up to +40°C
- Max. Working pressure: 6bar
- Voltage fluctuation should not exceed10% of rated value.
- PH: 6.5 to 8.5
- Mains connection: 220V/50Hz、380V/50Hz

Certificate

CE

Performance Range

Max. Flow: 36m³/h
Max. Head: 30m

Features

- Pump body: Cast iron, electrophoretic treatment
- Impeller: Cast iron, electrophoretic treatment
- Shaft: 304 stainless steel welding shaft
- Mechanical seal: SiC/Graphite/ FPM rubber
- Motor: 2 pole asynchronous motor, copper wires, built-in thermal protector, fully closed fan cooling, continuous running
- Protection: IPX4 or IP22
- Insulation: B
- NSK bearing

Model Description

CPH S - 220 - 40 F

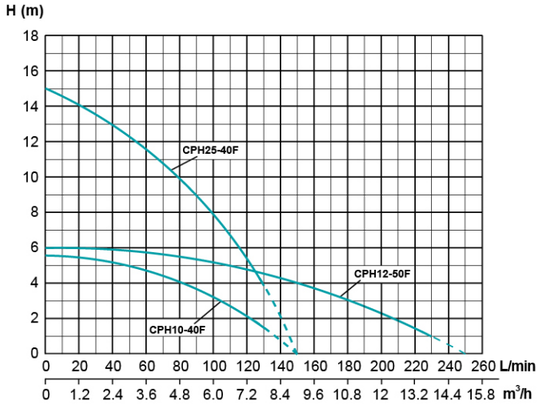
- F — Flange
- 40 — Inlet and Outlet diameter(mm)
- 220 — Rated Power1/10(W)
- S — Three-Phase Circulation Motor
- CPH — Hot Water Circulation Type

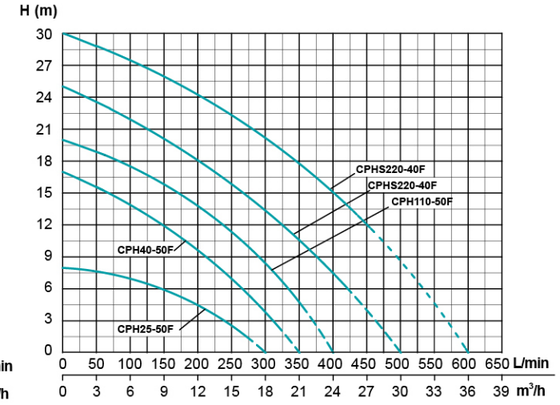
Applications Fields

- Suitable for transferring water without abrasive particles or other liquid whose properties are similar to water.
- Widely used in HVAC, industrial circulating water system, solar hot water and boiler circulating system, living water supply, etc.

SHIMGE for better life

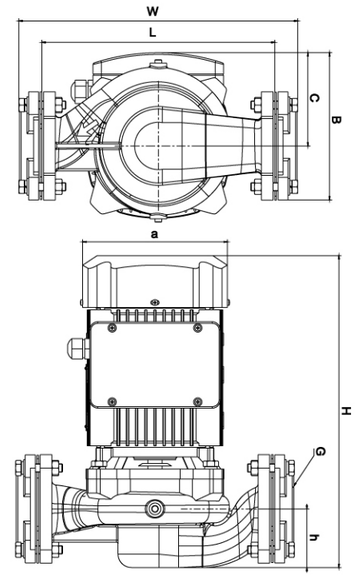
Performance Curve





Dimensions

Model		Dim(mm)							G.W (kg)
Single-Phase	Three-Phase	H	h	a	L	B	C	W	
CPH10-40F	-	248	34	129	210	175	104	264	8.9
CPH12-50F	-	276	55	129	260	175	104	312	12.8
CPH25-40F	-	240	34	129	260	178	104	312	10.3
CPH25-50F	-	328	65	136	280	160	85	335	17
CPH40-50F	-	385	70	172	280	195	112	335	24.5
CPH110-50F	-	385	70	172	280	195	112	335	26
-	CPHS150-40F	435	76	193	310	220	124	365	35
-	CPHS220-40F	435	76	193	310	220	124	365	37.5



Eiectrical And Hydraulic Data

Model		Electrical Data				Max. Flow (m³/h)	Max. Head (m)
Single-Phase	Three-Phase	Input Power (W)	Current (A)	Capacitor μF	Capacitor Vc		
CPH10-40F	-	240	0.9	8	450	9	5.5
CPH12-50F	-	300	1.3	10	450	15	6
CPH25-40F	-	450	1.8	10	450	9	15
CPH25-50F	-	410	1.87	12	450	18	8
CPH40-50F	-	900	2.95	25	450	21	17
CPH110-50F	-	1500	7.02	35	450	24	20
-	CPHS150-40F	2100	3.4	/	/	30	25
-	CPHS220-40F	2900	4.8	/	/	36	30

Model		Whole lift (m)	G	Outer Box		20" Loading Qty (pcs)
Single-Phase	Three-Phase			G.W(kg)	Dimensions	
CPH10-40F	-	0-5.5	G1½	8.9	290×280×220	1600
CPH12-50F	-	0-6	G2	12.8	330×325×225	1190
CPH25-40F	-	0-15	G1½	10.3	330×280×225	1360
CPH25-50F	-	0~8	DN50(G2")	19	310×195×350	1188
CPH40-50F	-	0~17	DN50(G2")	26.5	315×235×430	810
CPH110-50F	-	0~20	DN50(G2")	28	315×235×430	810
-	CPHS150-40F	0~25	DN40(G1-1/2")	37.5	500×350×280	528
-	CPHS220-40F	0~30	DN40(G1-1/2")	40	500×350×280	528

CPHB

Application Limits

- Liquid temperature: +2°C~+100°C
- Maximum ambient temperature +40°C
- Maximum system pressure 10bar
- Protection level: IP44
- Mains connection: 220V/50Hz
- Insulation class: H
- Pumped liquid characteristics: clean, free from solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water
- Installation: the motor shaft must be kept in horizontal direction
- PH: 6.5 to 8.5

Certificate

CE

Performance Range

Max. Flow: 10m³/h
Max. Head: 8m

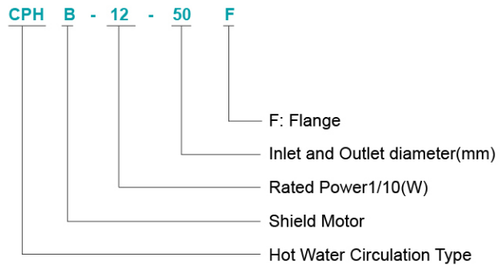
Optional Available on Request

- Products can be customized according to customer's voltage and frequency
- Brass pump body, enamel pump body, stainless steel pump body

Features

- Flange connection
- Low noise
- No leakage

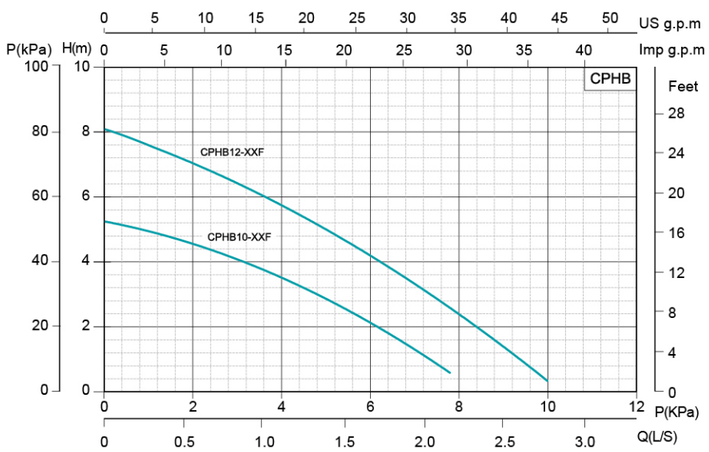
Model Description



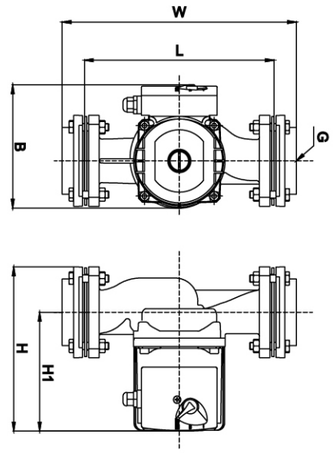
Applications Fields

For hot water circulation system such as HVAC systems, solar hot water circulation system, boiler heating system, pressurization of domestic tap water, industry water circulation system, etc.

Performance Curve



Dimensions



Dimensions

Model	Dim(mm) H	H1	L	B	W	N.W.(kg)
CPHB10-40F	185	135	215	140	26	7.2
CPHB10-50F						
CPHB12-40F						7.7
CPHB12-50F						

Eiectrical And Hydraulic Data

Model	Input Power P1 (W)	Current (A)	Capacitor μF	Capacitor Vc	Max. Flow (m^3/h)	Max. Head (m)
CPHB10-40F	160	0.75	4	450	6	5
CPHB10-50F	160	0.75	4	450	8	5
CPHB12-40F	260	1.21	6	450	7	8
CPHB12-50F	260	1.21	6	450	10	8

Model	Whole lift (m)	G	Inner Box G.W(kg)	Inner Box Dim (L×W×H)	Outer Box PCS/ CTN	Outer Box Dim (L×W×H)	Outer Box G.W(kg)	20" Loading Qty (pcs)
CPHB10-40F	0~5	40(1½")	/	/	/	276x152x200	7.5	3080
CPHB10-50F	0~5	50(2")						
CPHB12-40F	0~8	40(1½")					8	
CPHB12-50F	0~8	50(2")						