COMPASS
INTERNATIONAL(NINGBO)LTD.

COMPASS INTERNATIONAL (NINGBO) LTD.

ADD: Floor 2, No. 2 Building,Silver Walk Street,
789 Middle Rili Road, Yinzhou District,315199,Ningbo, China
TEL:0086-574-83008927
Http://www.compass-nb.com
Email:sales@compass-nb.com

DEKRA ERP

COMPASS
INTERNATIONAL(NINGBO)LTD.

CIRCULATION PUMP

GENERAL CATALOGUE

COMPASS INTERNATIONAL (NINGBO) LTD.

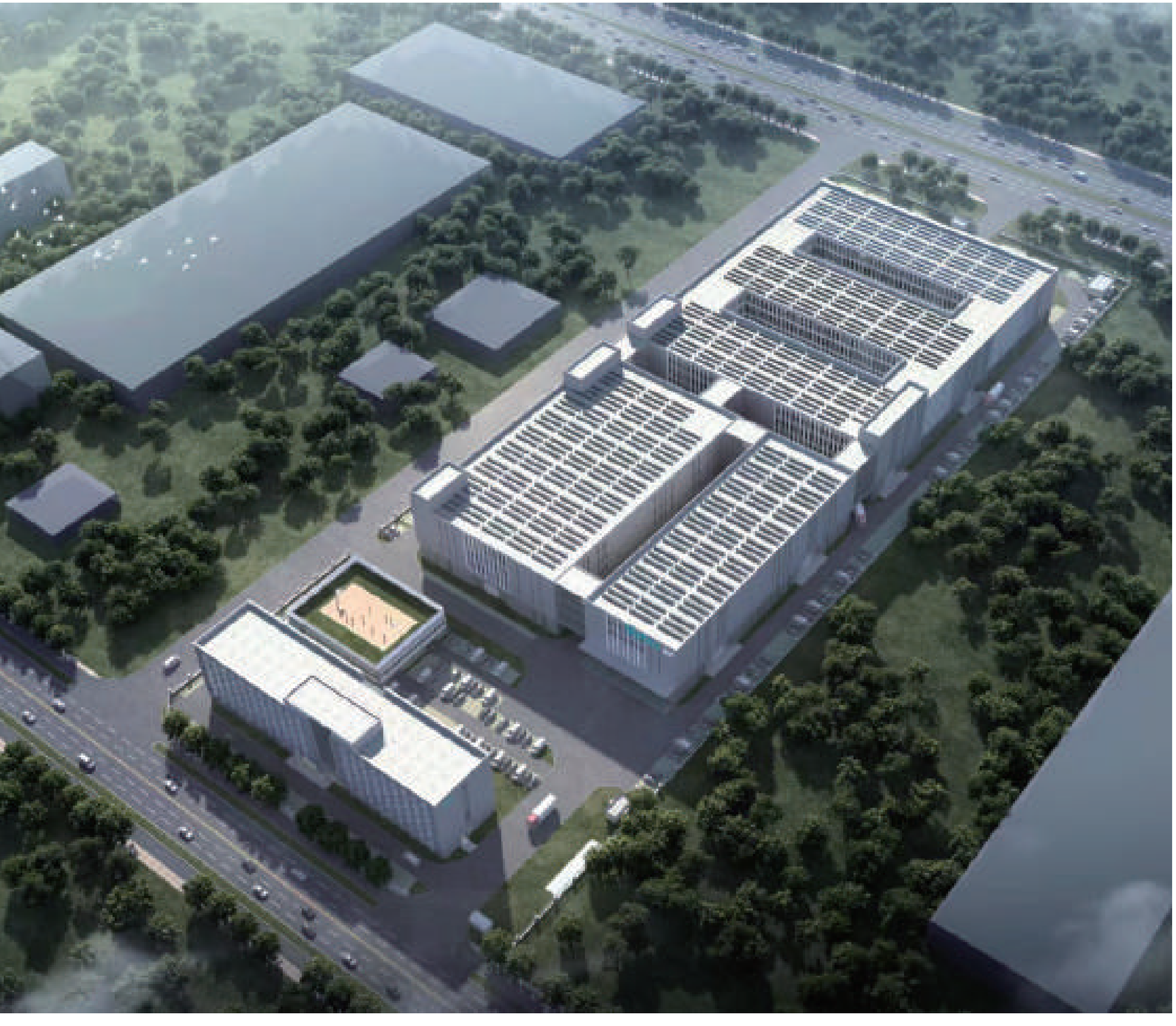
HIGH EFFIEIENCY

Circulation Pump

BASIC SERIES

Circulation Pump

With more than 20 years' experiences on design, research & development in canned motor and canned motor pumps. We are committed to product research and development as well as quality promotion with orientation of customers' requirements. We offer professional solutions for general and special requirements regarding non-leakages delivery of various kinds for fluid. Our products are sold abroad to many countries in Europe, America, Asia and other areas, being widely used in chemical industry, petrifaction, petroleum refining, textile industry, locomotive, central air conditioning, aerospace, military industry, nuclear power, air conditioning system cooling and heating circulation, construction, environment protection, ventilation and new energy. With reliable quality and attentive service, we have gained a high reputation in the market. We sincerely hope to cooperate with you for a splendid future together.



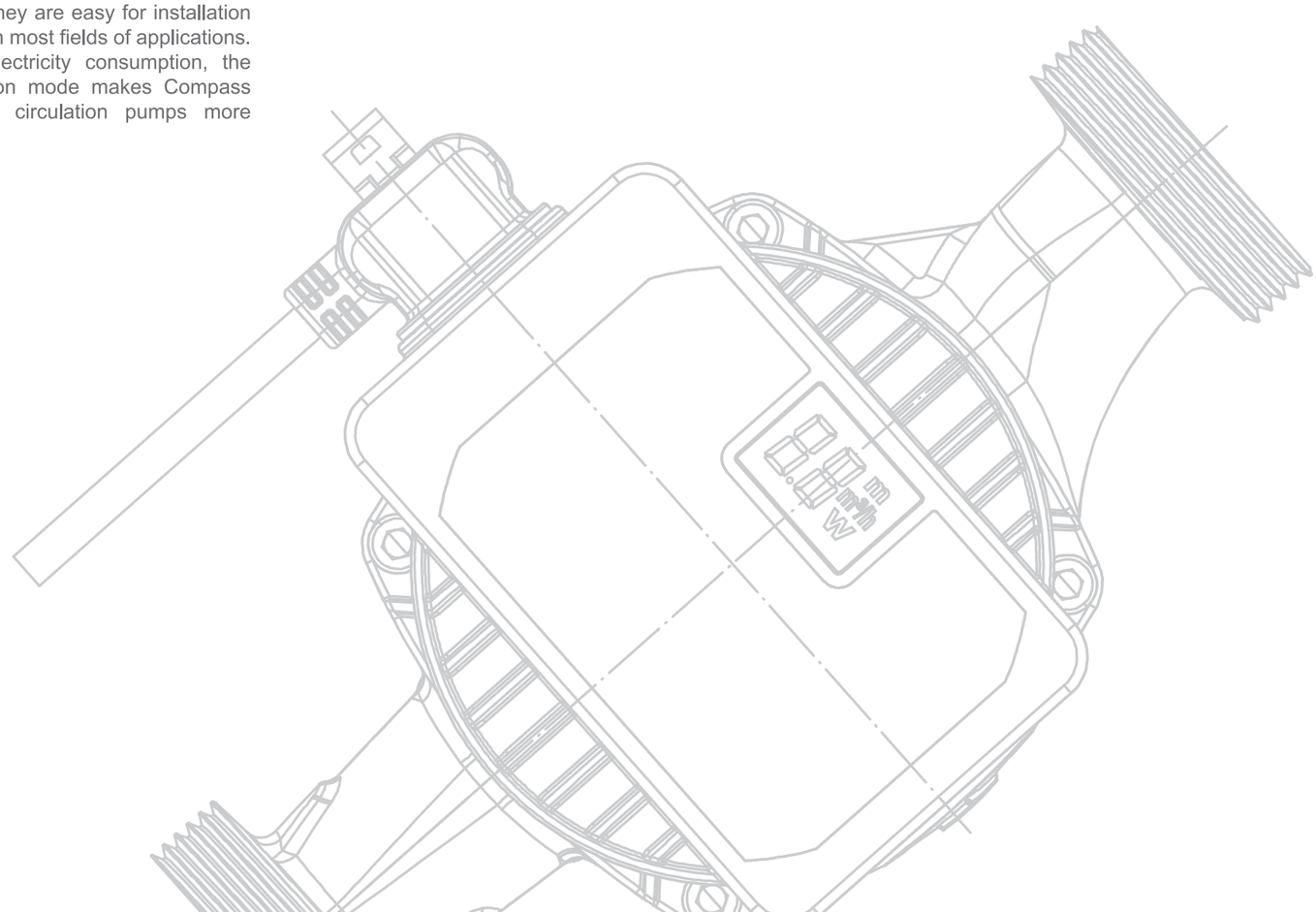
BRIEF INTRODUCTION

With two modern production bases located in Jiangxi & Anhui provinces, totally cover a area of 300,000 square meters specializing in canned motor manufacturing. Based on the standard of ISO 9001:2015 Quality Management System, ISO14001:2015 Environment Management System and OHSAS18001:2007 Occupa-tion Health and Safety Management System, We established a complete set of design, producing, marketing and service system. As required by different countries and areas, our related products successfully obtained certifications such as CCC, GS, UL and CE as well as passed required tests such as RoHS, REACH and EEI. All of these ensured the safety, stability, reliability, durability and legality of our products in the market. We have formed our own core competitiveness as well as the space for sustainable development with sufficient material resources, reinforced regulation system and high-tech talents we gathered.

PRODUCT INTRODUCTION

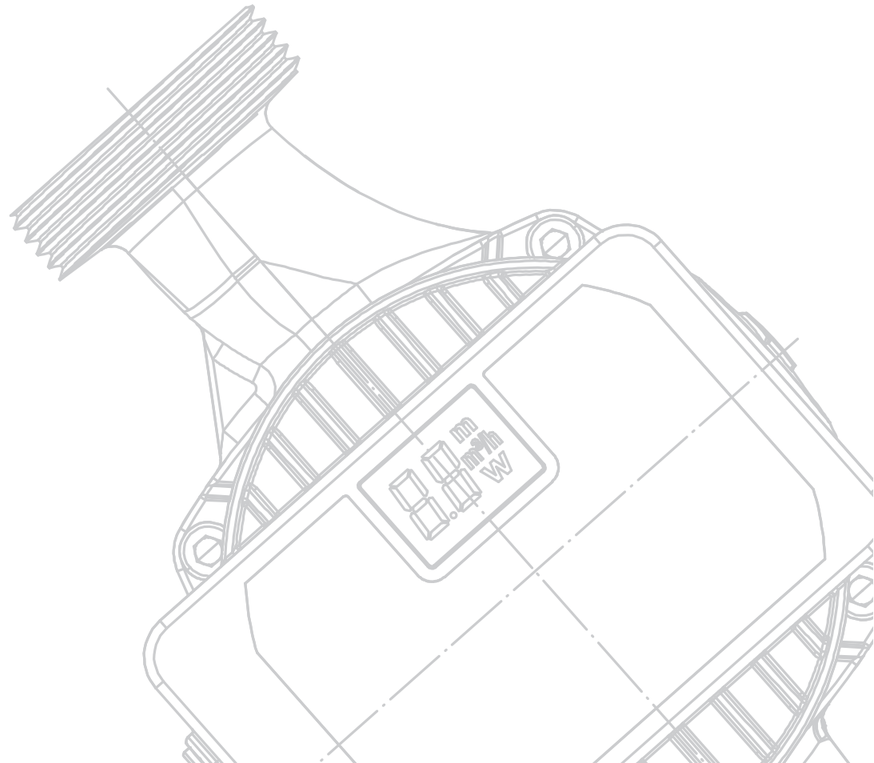
FEATURES:

Compass high efficiency circulation pumps owe features of well-designed compact structure, integrated controller and frequency converter. They are easy for installation and operation in most fields of applications. In terms of electricity consumption, the unique operation mode makes Compass high efficiency circulation pumps more energy saving.



FIELDS OF APPLICATIONS:

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



Structural Diagram

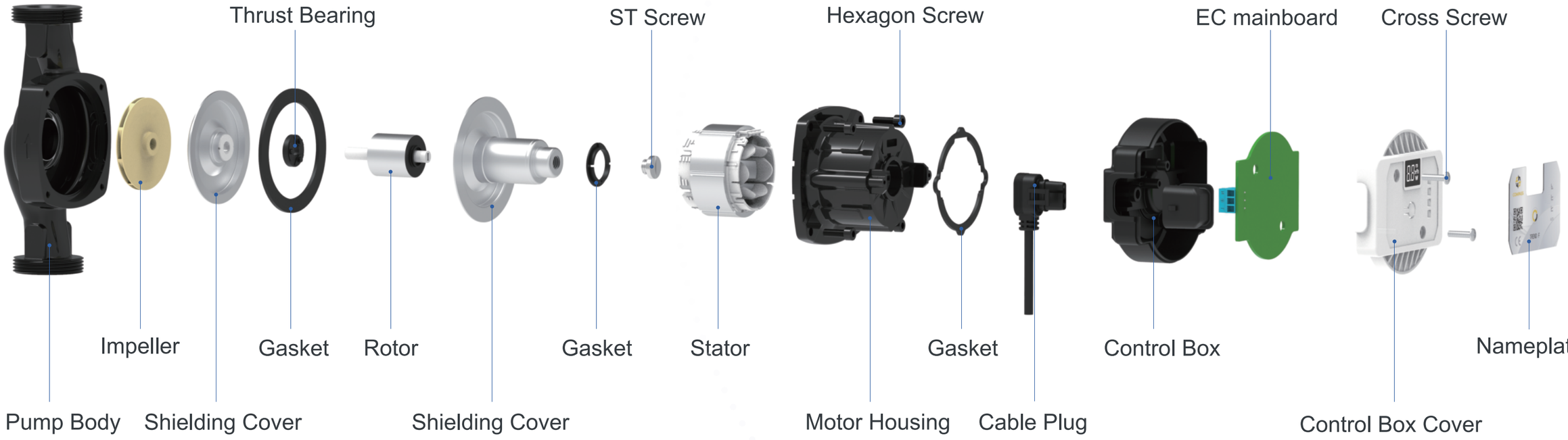


TABLE OF CONTENTS

TREND C

HIGH EFFICIENCY CIRCULATION PUMP

Frequency Conversion

High Efficiency Impeller

Shielded Motor

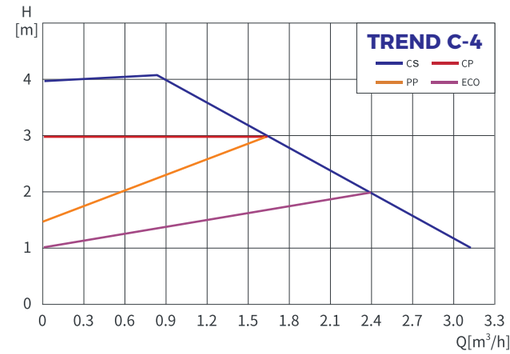
Low Noise

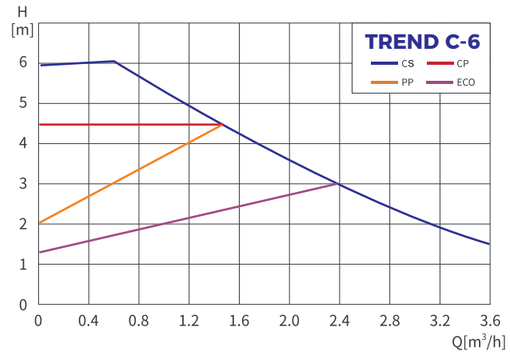
Ceramic Bearing

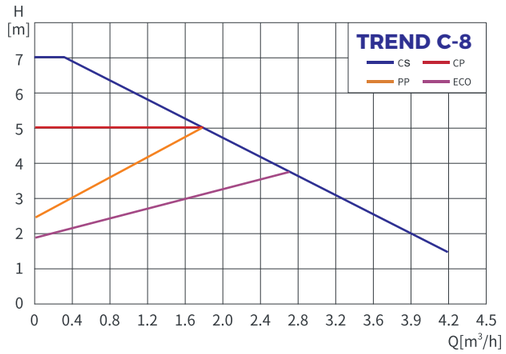
Operating Condtion

- Supply voltage: 1x230V-50/60HZ
- Head rate,Hmax: 4-6-8m
- Flow rate,Qmax: 2.2-4.2m³/h
- Power Range: 28-65W
- EEI ⩽ 0.22
- Liquid temperature: +2°C to +95°C (TF95)
- Ambient temperature: 0°C to +40°C
- Enclosure protection class: IP44
- Insulation class:H

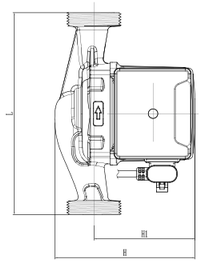
Performance Curve

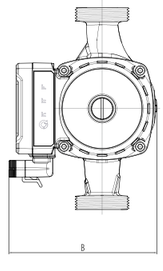






Technical Parameter





Model	Prower (W)	Flow MAX (m³/h)	Head Max (m)	Pump Connection	L(mm)	B(mm)	H(mm)	H1(mm)
TREND C 15-4-130	28	2.2	4	G1"	130	132	125	90
TREND C 20-4-130		2.6		G1 1/4"				
TREND C 25-4-130		3.0		G1 1/2"				
TREND C 25-4-180		3.0			180			
TREND C 32-4-180		3.2		G2 "				
TREND C 15-6-130	45	2.8	6	G1"	130			
TREND C 20-6-130		3.2		G1 1/4"				
TREND C 25-6-130		3.6		G1 1/2"				
TREND C 25-6-180		3.6			180			
TREND C 32-6-180		3.8		G2 "				
TREND C 15-8-130	65	3.2	8	G1"	130			
TREND C 20-8-130		3.6		G1 1/4"				
TREND C 25-8-130		4.0		G1 1/2"				
TREND C 25-8-180		4.0			180			
TREND C 32-8-180		4.2		G2 "				

TREND F

HIGH EFFICIENCY CIRCULATION PUMP

Frequency Conversion

High Efficiency Impeller

Shielded Motor

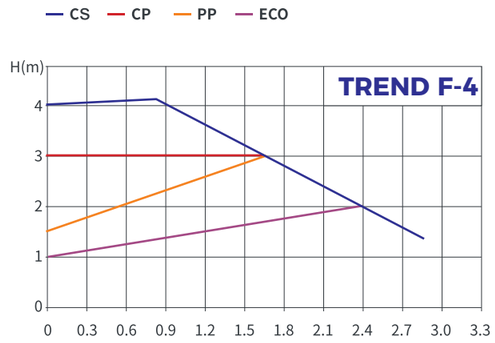
Low Noise

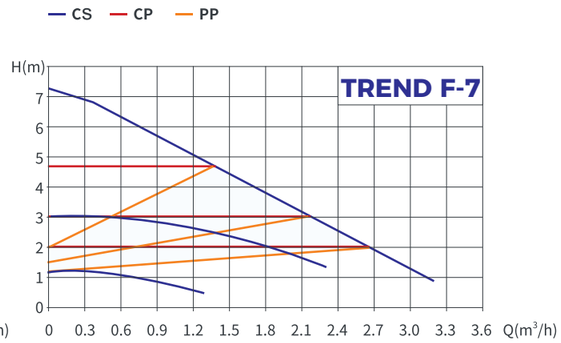
Ceramic Bearing

Operating Condtion

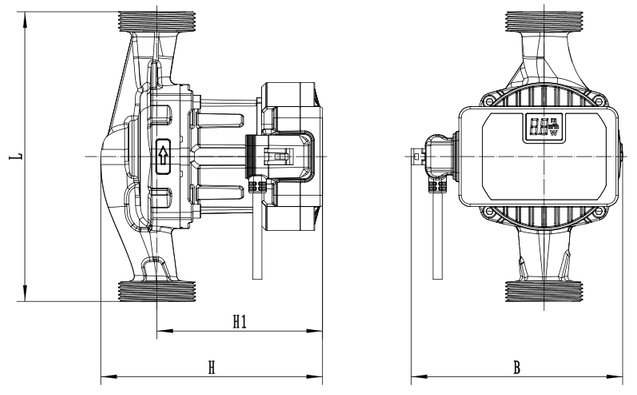
- Supply voltage: 1x230V-50/60HZ
- Head rate,Hmax: 4-7-8m
- Flow rate,Qmax: 2.2-3.6-4.3 ^{3}/h
- Power Range: 25-45-65W
- EEI ⩽ 0.20
- Liquid temperature: +2°C to +95°C (TF95)
- Ambient temperature: 0°C to +40°C
- Enclosure protection class: IP44
- Insulation class:H

Performance Curve



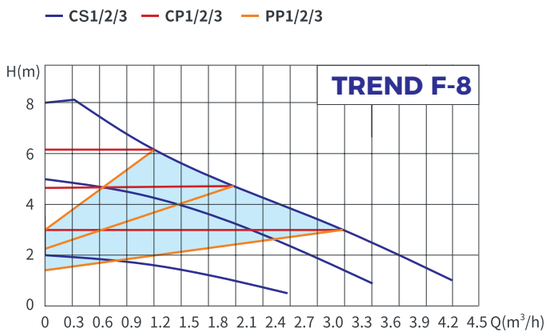


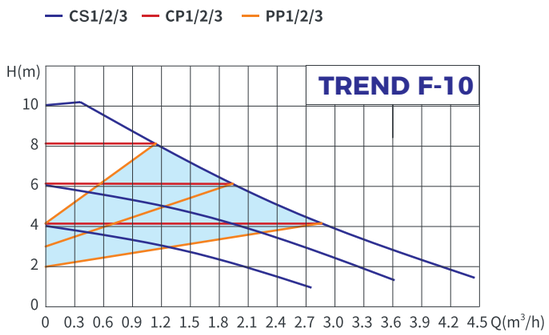
Technical Parameter



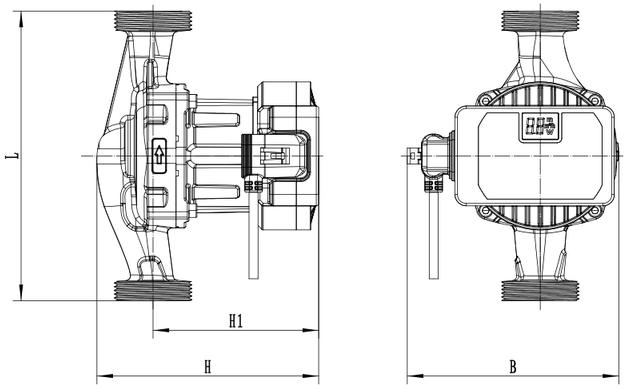
Model	Prower (W)	Flow MAX (m^3/h)	Head Max (m)	Pump Connection	L(mm)	B(mm)	H(mm)	H1(mm)
TREND F 15-4-130	25	2.2	4	G1"	130	132	138	103
TREND F 20-4-130		2.6		G1 1/4"				
TREND F 25-4-130		2.8		G1 1/2"				
TREND F 25-4-180		3.0			180			
TREND F 32-4-180		3.2		G2"				
TREND F 15-7-130	45	2.4	7	G1"	130			
TREND F 20-7-130		2.8		G1 1/4"				
TREND F 25-7-130		3.2		G1 1/2"				
TREND F 25-7-180		3.2			180			
TREND F 32-7-180		3.6		G2"				

Performance Curve





Technical Parameter



Model	Prower (W)	Flow MAX (m^3/h)	Head Max (m)	Pump Connection	L(mm)	B(mm)	H(mm)	H1(mm)
TREND F 15-8-130	65	2.2	8	G 1"	130	115	125	88
TREND F 20-8-130		3.4		G1 1/4"				
TREND F 25-8-130		4.2		G1 1/2"				
TREND F 25-8-180		4.2		G1 1/2"	180	115	125	92
TREND F 32-8-180		4.3		G2"				

TREND BF

BIG FLOW SERIES

HIGH EFFICIENCY CIRCULATION PUMP

Frequency Conversion

High Efficiency Impeller

Shielded Motor

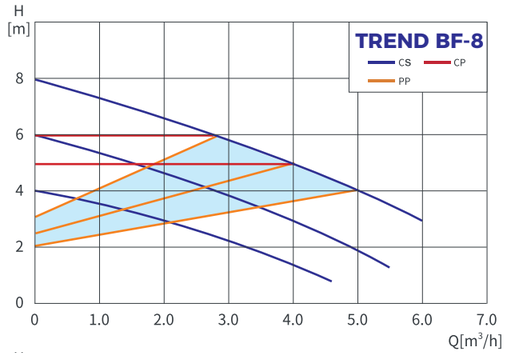
Low Noise

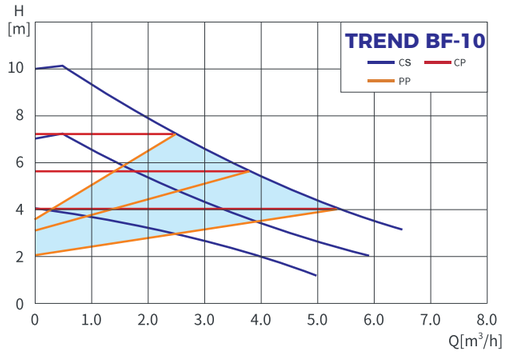
Ceramic Bearing

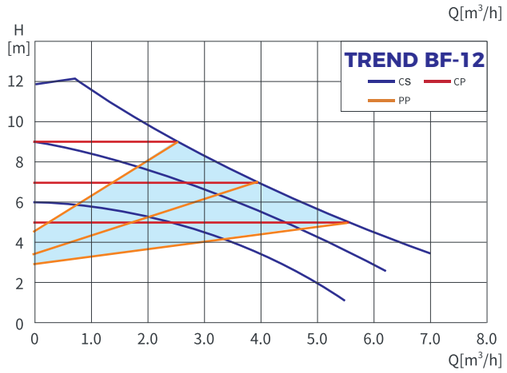
Operating Condtion

- Supply voltage: 1x230V-50/60HZ
- Head rate,Hmax: 8-10-12m
- Flow rate,Qmax: 6-8m^3/h
- Power Range: 120-180W
- EEI ⩽ 0.23
- Liquid temperature: +2°C to +95°C (TF95)
- Ambient temperature: 0°C to +40°C
- Enclosure protection class: IP44
- Insulation class:H

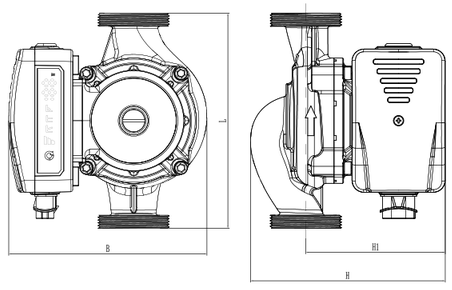
Performance Curve







Technical Parameter



Model	Prower (W)	Flow MAX (m^3/h)	Head Max (m)	Pump Connection	L(mm)	B(mm)	H(mm)	H1(mm)
TREND BF 25-8-180	120	6	8	G1 1/2"	180	162	165	118
TREND BF 32-8-180		7		G2"				
TREND BF 25-10-180	150	6.5	10	G1 1/2"				
TREND BF 32-10-180		7.5		G2"				
TREND BF 25-12-180	180	7	12	G1 1/2"				
TREND BF 32-12-180		8		G2"				

TREND H

HIGH EFFICIENCY CIRCULATION PUMP

Frequency Conversion

High Efficiency Impeller

Shielded Motor

Low Noise

Ceramic Bearing

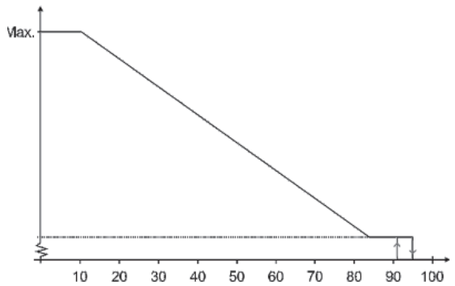
Operating Condtion

- Supply voltage: 1x230V-50/60HZ
- Head rate,Hmax: 4-7-8m
- Flow rate,Qmax: 2.5-4.4 m^3/h
- Power Range: 25-45-65W
- EEI ⩽ 0.20
- Liquid temperature: +2°C to +95°C (TF95)
- Ambient temperature: 0°C to +40°C
- Enclosure protection class: IP44
- External control:PWM-H & PWM-D
- Insulation class:H

Function

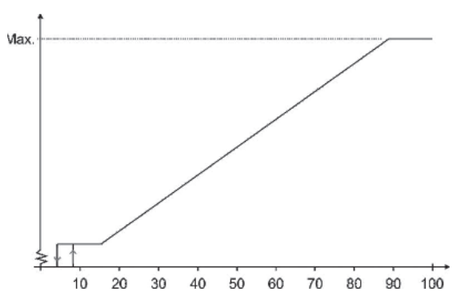
	Constant speed	Constant speed,curves S3 S2 S1
	Constant pressure	Constant pressure,curves C3 C2 C1
	Proportion	Proportion,curves P3 P2 P1
AUTO	**Auto**	Automatically detect the hydraulic characteristics of the pipeline and adjust the water pump to operate in the most energy-efficient manner.
PWM H	**H mode**	PWM input signal inverse proportional control (heating)
PWM D	**D mode**	PWM input signal proportional control (solar)
	Sleep mode	The pump operates at the minimum power level and with the lowest noise level.

Technical specification H mode (PWM Heating)



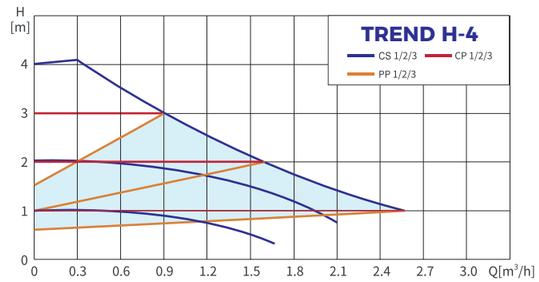
PWM input signal (%)	Pump condition
[0,5]	The pump operates at maximum speed
[6,85]	The pump is linear from the highest to the lowest
[86,88]	The pump operates at minimum speed
[89, 93]	Ifthe input signal fluctuates near the speed change point,it will prevent the pump from starting and stopping according to the principle of hysteresis
[94, 100]	The pump stopped running and standby

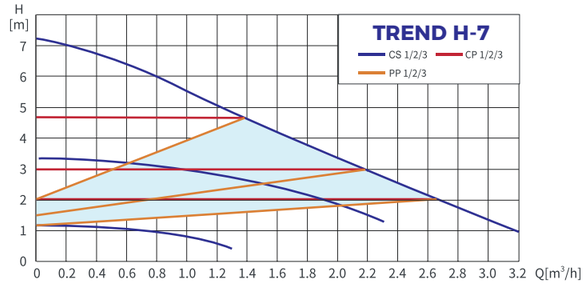
Technical specification D mode (PWM Solar mode)

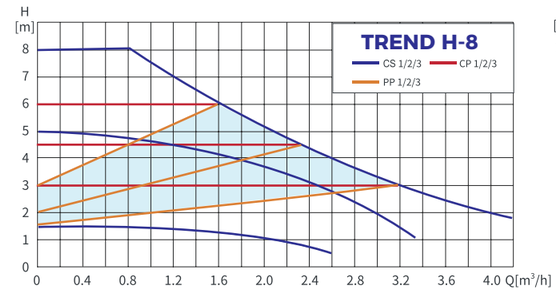


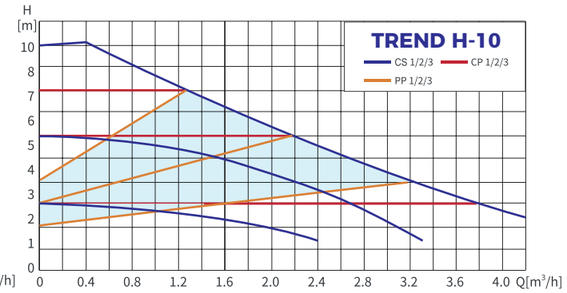
PWM input signal (%)	Pump condition
[0,7]	Standby,pump stopped running
[6,85]	If the input signal fluctuates near the speed change point,it will prevent the pump from starting and stopping according to the principle of hysteresis
[8, 12]	The pump operates at minimum speed
[13, 15]	The pump is linear from the highest to the lowest
[96, 100]	The pump operates at maximum speed

Performance Curve

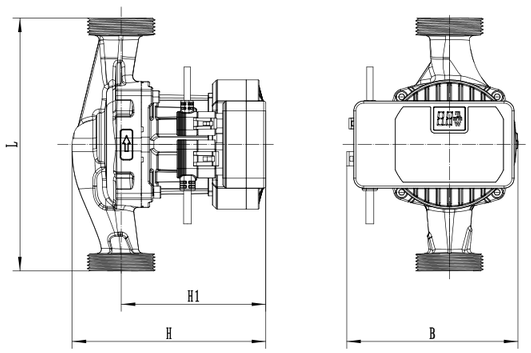








Technical Parameter



Model	Prower (W)	Flow MAX (m^3/h)	Head Max (m)	Connectio (in)	L (mm)	B (mm)	H (mm)	H1 (mm)
TREND H 25-4-130	25	2.5	4	G1 1/2"	130	122	138	103
TREND H 25-4-180					180			
TREND H 32-4-180		2.7		G2"				
TREND H 25-7-130	45	3.2	7	G1 1/2"	130			
TREND H 25-7-180					180			
TREND H 32-7-180		3.4		G2"				
TREND H 25-8-130	65	4.2	8	G1 1/2"	130			
TREND H 25-8-180					180			
TREND H 32-8-180		4.4		G2"				

TREND M

HIGH EFFICIENCY CIRCULATION PUMP

Frequency Conversion

High Efficiency Impeller

Shielded Motor

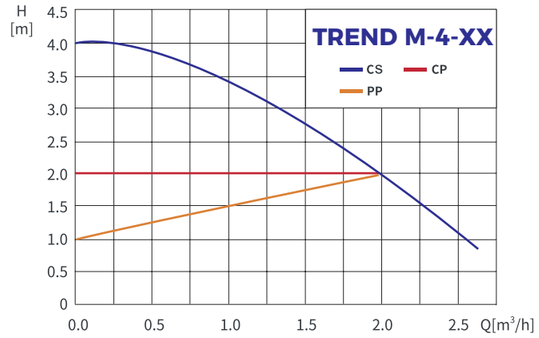
Low Noise

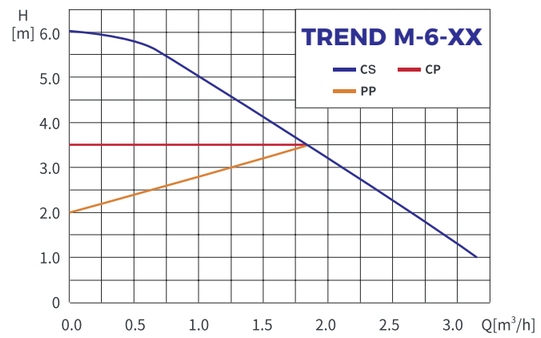
Ceramic Bearing

Operating Condtion

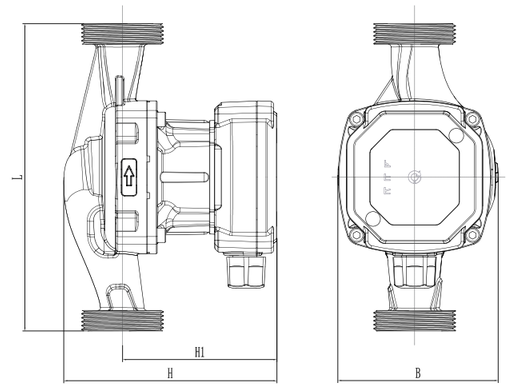
- Supply voltage: 1x230V-50/60HZ
- Head rate,Hmax: 4-10m
- Flow rate,Qmax: 2.2-4.2m^3/h
- Liquid temperature: +2°C to +110°C
- Power Range: 28-80W
- Ambient temperature: 0°C to +40°C
- Enclosure protection class: IP44
- Insulation class:H

Performance Curve





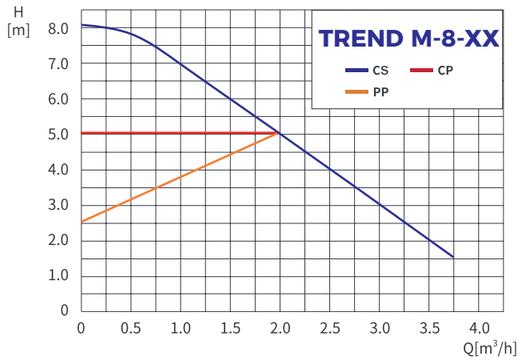
Technical Parameter

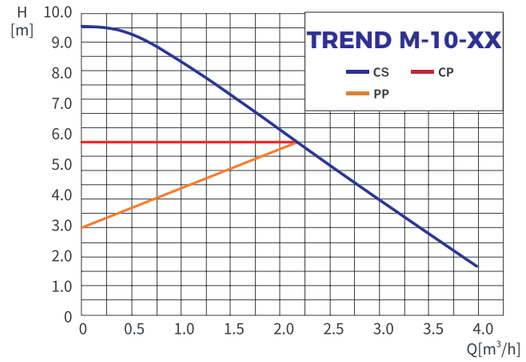


Model	Prower (W)	Flow MAX (m^3/h)	Head Max (m)	Pump Connection	L(mm)	B(mm)	H(mm)	H1(mm)
TREND M 15-4-130	28	2.2	4	G1"	130	94	125	90
TREND M 25-4-130		2.6		G1 1/2"				
TREND M 25-4-180					180			
TREND M 32-4-180		2.8		G2"				

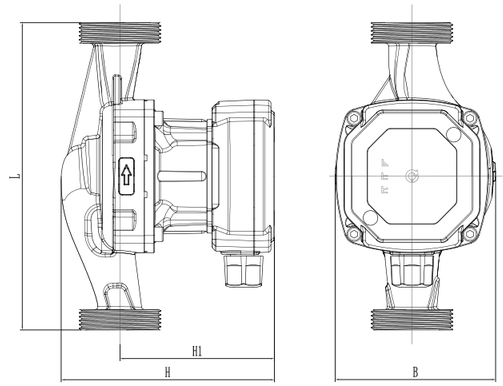
Model	Prower (W)	Flow MAX (m^3/h)	Head Max (m)	Pump Connection	L(mm)	B(mm)	H(mm)	H1(mm)
TREND M 15-6-130	45	2.8	6	G1"	130	94	125	90
TREND M 25-6-130		3.2		G1 1/2"				
TREND M 25-6-180					180			
TREND M 32-6-180		3.4		G2"				

Performance Curve





Technical Parameter



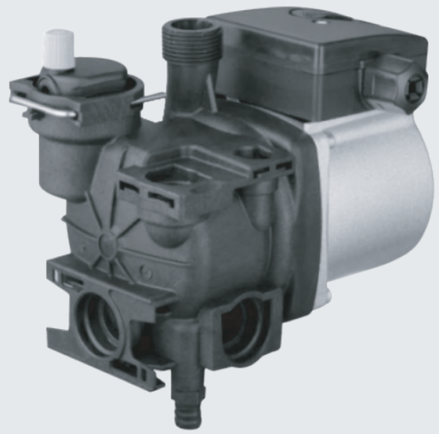
Model	Prower (W)	Flow MAX (m^3/h)	Head Max (m)	Pump Connection	L(mm)	B(mm)	H(mm)	H1(mm)
TREND M 15-8-130	65	3.2	8	G1"	130	94	125	90
TREND M 25-8-130		3.6		G1 1/2"				
TREND M 25-8-180					180			
TREND M 32-8-180		3.8		G2"				

Model	Prower (W)	Flow MAX (m^3/h)	Head Max (m)	Pump Connection	L(mm)	B(mm)	H(mm)	H1(mm)
TREND M 15-10-130	80	3.4	10	G1"	130	94	125	90
TREND M 25-10-130		4.0		G1 1/2"				
TREND M 25-10-180					180			
TREND M 32-10-180		4.2		G2"				

BASIC SERIES CIRCULATION PUMPS

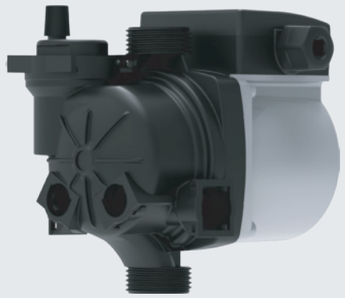
BGS

GAS WALL MOUNTED FURNACE SPECIAL PUMP



BGS-A

BGS-B



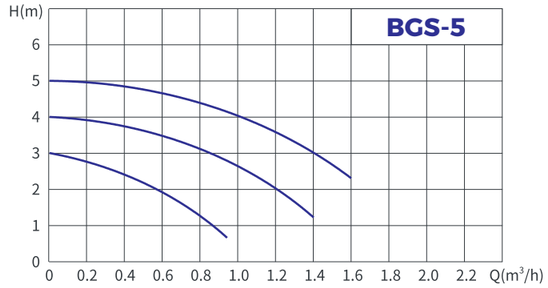
BGS-E

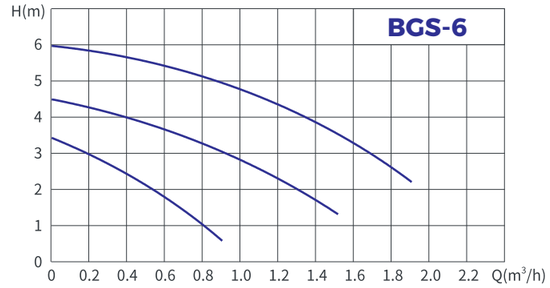
*** Power supply :220V/50HZ, single-phase AC.The product parameters listed in the sample represent only 220V/50HZ.**

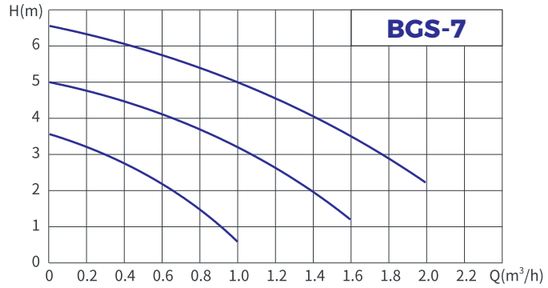
Operating Condtion

- Supply voltage: 1x230V-50/60Hz
- Flow rate,Qmax: 1.8-1.9-2.0m^3/h
- Head rate,Hmax: 5-6-7m
- Power Range: 50-120W
- Liquid temperature: +2° C to +95° C(TF95)
- Ambient temperature: 0°C to +40°C
- Enclosure protection class: IP44
- Insulation class:H

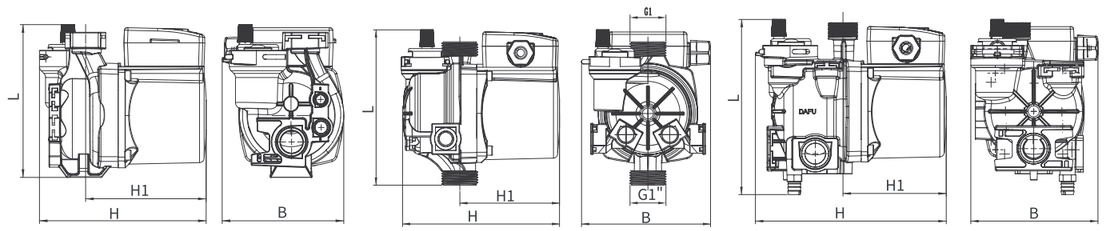
Performance Curve







Technical Parameter



BGS-A BGS-B BGS-E

Model	Prower (W)	Flow MAX (m^3/h)	Head Max (m)	Pump connection	L (mm)	B (mm)	H (mm)	H1 (mm)
BGS-5A	90/70/50	1.8/1.2/0.9	5/4/3	G3/4"	131	104	143	103
BGS-5B					155	133	169	91
BGS-5E				G1"	142	102	143	91
BGS-6A	100/70/55	1.9/1.5/1.0	6/5/3.2	G3/4"	131	104	143	103
BGS-6B					155	133	169	91
BGS-6E				G1"	142	102	143	91
BGS-7A	120/100/65	2.0/1.6/1.2	6.8/5.8/1.2	G3/4"	131	104	143	103
BGS-7B					155	133	169	91
BGS-7E				G1"	142	102	143	91

D/KPS

COLD AND HOT WATER CIRCULATION PUMP

High Efficiency Impeller

Shielded Motor

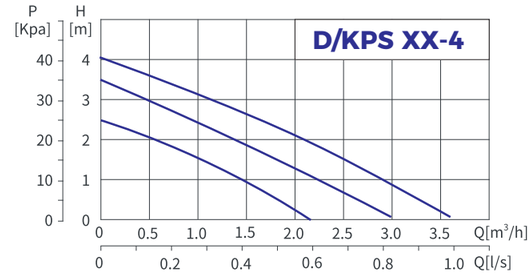
Low Noise

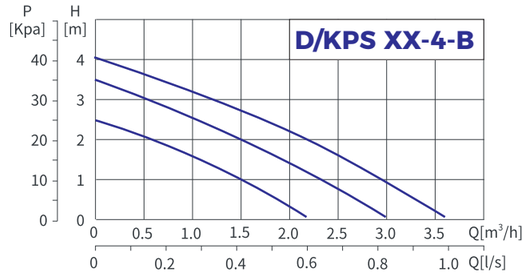
Ceramic Bearing

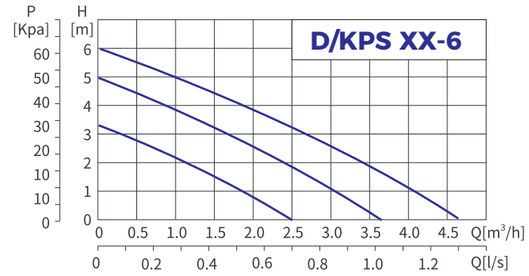
Operating Condtion

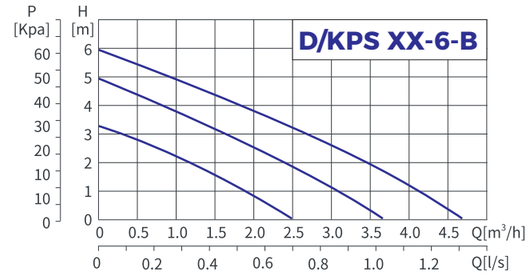
- Supply voltage: 1x230V-50/60HZ
- Head rate,Hmax: 4-6m
- Flow rate,Qmax: 1.2-3.6m^3/h
- Power Range: 38-100W
- Liquid temperature: +2°C to +95°C (TF95)
- Ambient temperature: 0°C to +40°C
- Enclosure protection class: IP44
- Insulation class:H

Performance Curve

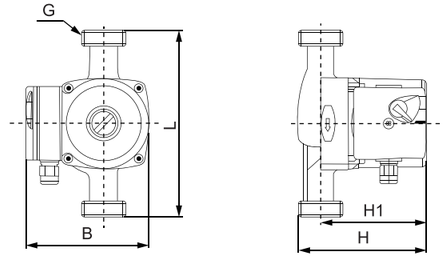








Technical Parameter



Model	Prower (W)	Head Max (m)	Flow (m^3/h)	Current(A) 220V/50HZ	Current(A) 127V/60HZ	Diameter (mm)	L (mm)	B (mm)	H (mm)	H1 (mm)	Package size(cm)	CTN/ PCS	G.W (Kg)
D/KPS15-4-130	72/53/38	4.3/3.5/2.8	3.0/2.1/1.2	0.29	0.66	G1"	130	125	130	105	28.8*28*29.6	8	20.3
D/KPS15-4-130B(S)													20.4
D/KPS20-4-130			3.12/2.28/1.32			G1 1/4"							21.7
D/KPS20-4-130B(S)													21.8
D/KPS25-4-130			3.2/2.6/1.3			G1 1/2"							23.2
D/KPS25-4-130B(S)													23.3
D/KPS25-4-180			3.2/2.6/1.3			G1 1/2"	180				39*27.5*30		27
D/KPS25-4-180B(S)													27.2
D/KPS32-4-130			3.3/2.7/1.4			G 2"							28
D/KPS32-4-130B(S)													28.2
D/KPS15-6-130	100/70/55	6.0/5.2/40	3.2/2.4/1.5	0.39	0.9	G1"	130				28.8*28*29.6		20.3
D/KPS15-6-130B(S)													20.4
D/KPS20-6-130			3.3/2.751.6			G1 1/4"							21.7
D/KPS20-6-130B(S)													21.8
D/KPS25-6-130			3.4/2.7/1.8			G1 1/2"							23.2
D/KPS25-6-130B(S)													23.3
D/KPS25-6-180			3.4/2.8/1.9			G1 1/2"	180				39*27.5*30		27
D/KPS25-6-180B(S)													27.2
D/KPS32-6-180			3.6/2.6/1.3			G 2"							28
D/KPS32-6-180B(S)													28.2

D/KPS

COLD AND HOT WATER CIRCULATION PUMP

High Efficiency Impeller

Shielded Motor

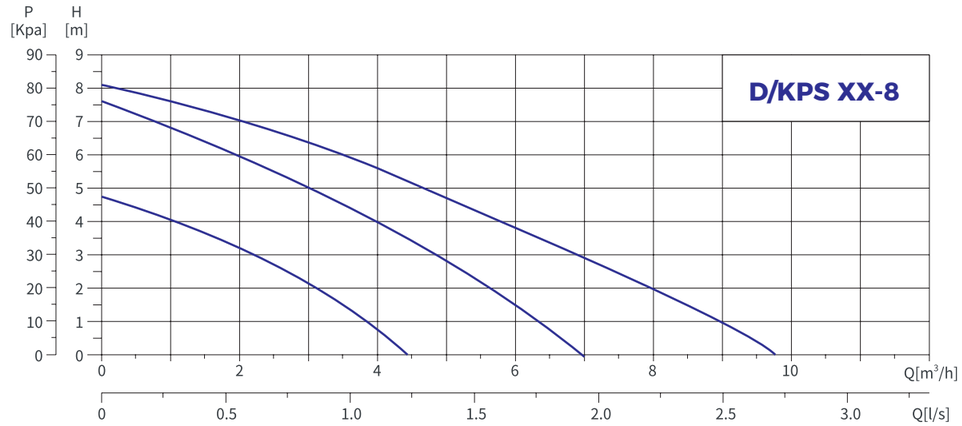
Low Noise

Ceramic Bearing

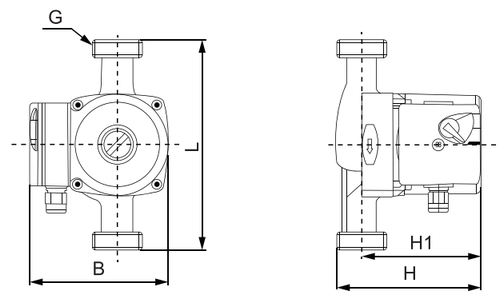
Operating Condtion

- Supply voltage: 1x230V-50/60HZ
- Head rate,Hmax: 6-12m
- Flow rate,Qmax: 1.5-8.4m^3/h
- Power Range: 87-280W
- Liquid temperature: +2°C to +95°C (TF95)
- Ambient temperature: 0°C to +40°C
- Enclosure protection class: IP44
- Insulation class:H

Performance Curve



Technical Parameter



Model	Prower (W)	Head Max (m)	Flow (m^3/h)	Current(A)	
				220V/50HZ	127V/60HZ
D/KPS25-8-180	245/180/130	8.0/6.0/4.2	7.5/4.8/2.5	1.2	2.32
D/KPS32-8-180	260/190/135	8.0/6.0/4.2	8.4/6.4/2.7		
D/KPS20-12-180	280/220/150	12/9.0/6.0	4.2/2.7/1.6	1.27	2.2
D/KPS15-6F	140/119/87	6.0/5.4/4.0	3.72/2.52/1.5	-	1.1

Model	Diameter (mm)	L (mm)	B (mm)	H (mm)	H1 (mm)	G.W (Kg)	Package size(cm)	Package (pcs)
D/KPS25-8-180	G1 1/2"	180	125	170	145	27	38.5x33.5x21	4
D/KPS32-8-180	G2"					28		
D/KPS20-12-180	G1"					27		
D/KPS15-6F	-			155	100	30.4	28.8x28x29.6	8

D/KPA

COLD AND HOT WATER CIRCULATION PUMP

High Efficiency Impeller

Shielded Motor

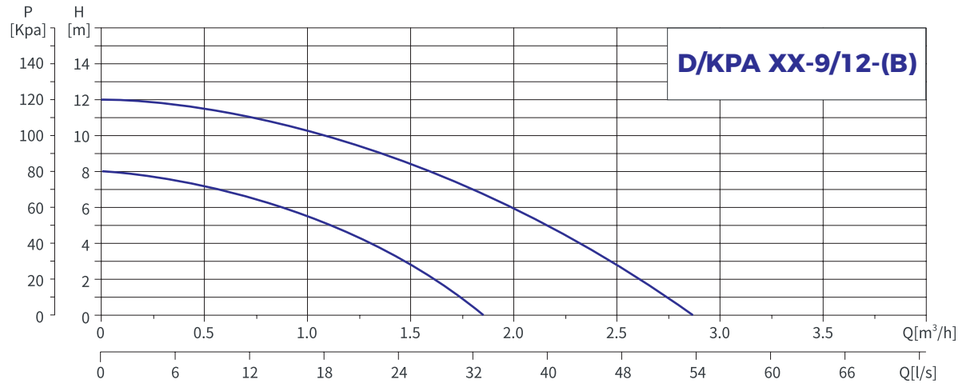
Low Noise

Ceramic Bearing

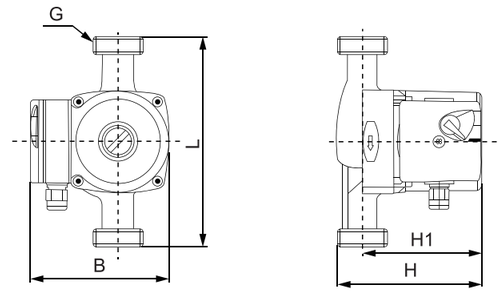
Operating Condtion

- Supply voltage: 1x230V-50/60HZ
- Head rate,Hmax: 9-15m
- Flow rate,Qmax: 1.5-3.9m^3/h
- Power Range: 110-350W
- Liquid temperature: +2°C to +95°C (TF95)
- Ambient temperature: 0°C to +40°C
- Enclosure protection class: IP44
- Insulation class:H

Performance Curve



Technical Parameter



Model	Prower (W)	Head Max (m)	Flow (m^3/h)	Current(A)	
				220V/50HZ	127V/60HZ
D/KPA15-9-160	110	9	1.5	0.5	1.03
D/KPA15-9-160B(S)					
D/KPA25-12-200	260	12	3	1.18	2.35
D/KPA25-12-200B(S)					
D/KPA25-15-200	350	15	3.9	1.59	3.15
D/KPA25-15-200B(S)					

Model	Diameter (mm)	L (mm)	B (mm)	H (mm)	H1 (mm)	G.W (Kg)	Package size(cm)	Package (pcs)
D/KPA15-9-160	G3/4"	160	120	140	115	23.5	39*31*32	8
D/KPA15-9-160B(S)						23		
D/KPA25-12-200	G1"	200		160	135	20.5	45*31*20	4
D/KPA25-12-200B(S)			155			20		
D/KPA25-15-200	G1"	200						
D/KPA25-15-200B(S)								

FPS

COLD AND HOT WATER CIRCULATION PUMP

High Efficiency Impeller

Shielded Motor

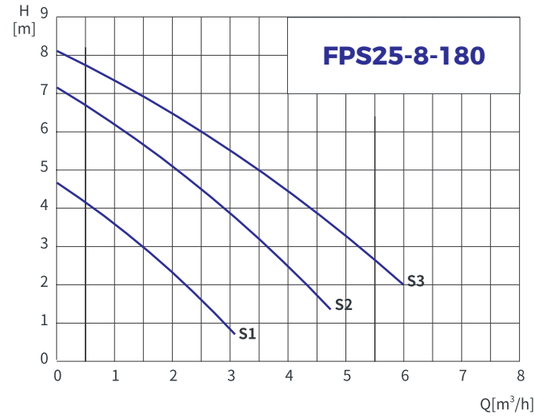
Low Noise

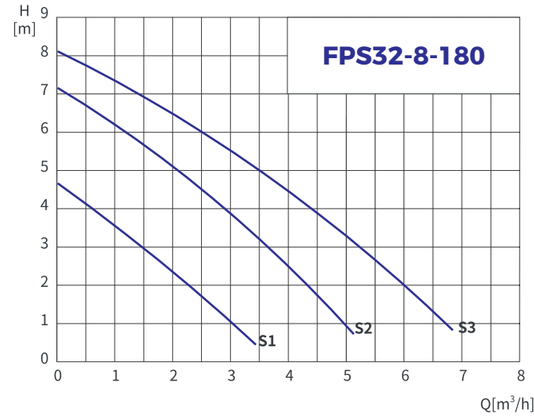
Ceramic Bearing

Operating Condtion

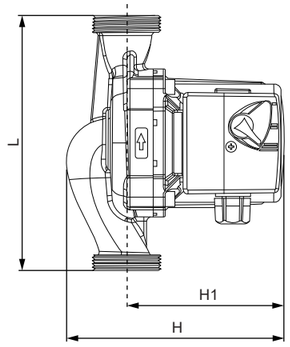
- Supply voltage: 1x230V-50/60HZ
- Head rate,Hmax: 8m
- Flow rate,Qmax: 6.1-6.9m^3/h
- Power Range: 175W
- Liquid temperature: +2°C to +95°C (TF95)
- Ambient temperature: 0°C to +40°C
- Enclosure protection class: IP44
- Insulation class:H

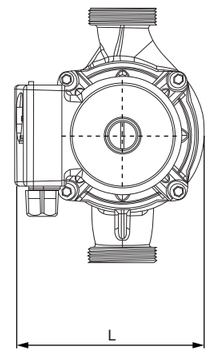
Performance Curve





Technical Parameter

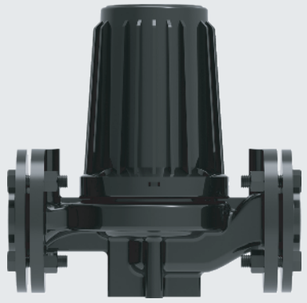


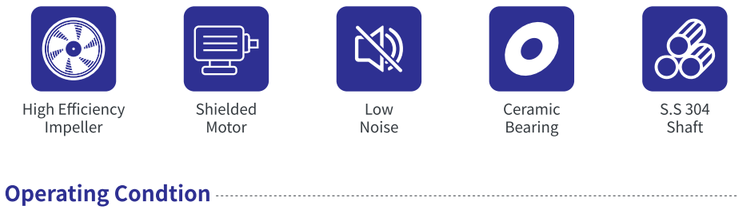


Model	Prower (W)	Flow MAX (m^3/h)	Head Max (m)	Pump Connection	L(mm)	L1(mm)	H(mm)	H1(mm)	D(mm)
FPS25-8-180	175	6.1	8	G1 1/2"	180	134	153	110	72±1
FPS32-8-180		6.9		G2"					

GDP

PIPELINE CIRCULATION PUMP

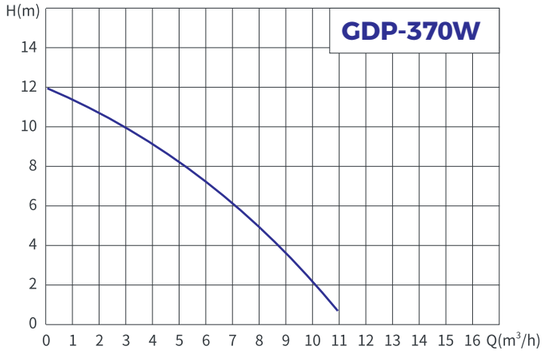


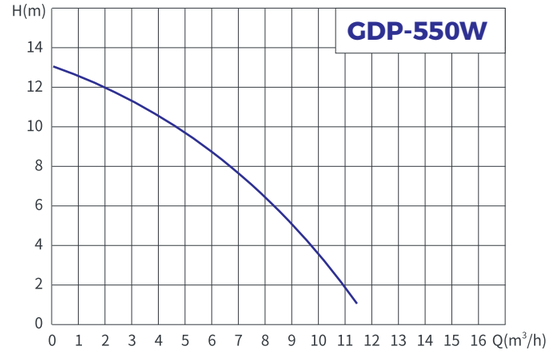


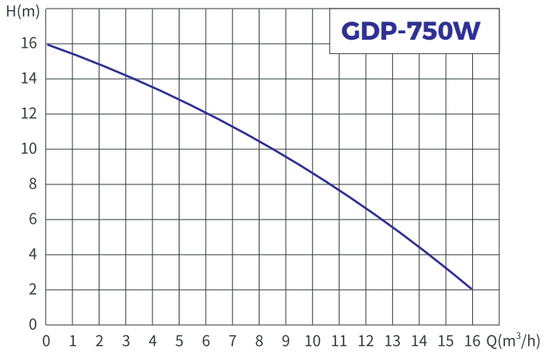
Operating Condtion

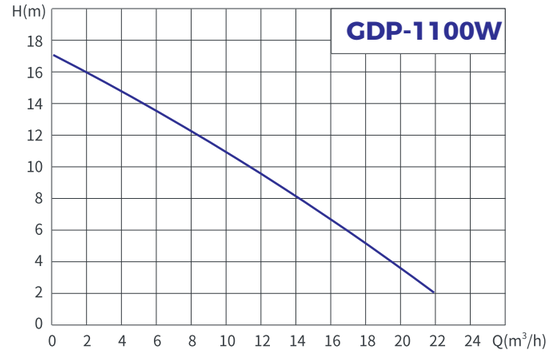
- Supply voltage: 1x230V-50/60HZ
- Head rate,Hmax: 12-19m
- Flow rate,Qmax: 10-25m^3/h
- Power Range: 370-1500W
- Liquid temperature: +2°C to +95°C (TF95)
- Ambient temperature: 0°C to +40°C
- Enclosure protection class: IP44
- Insulation class:H

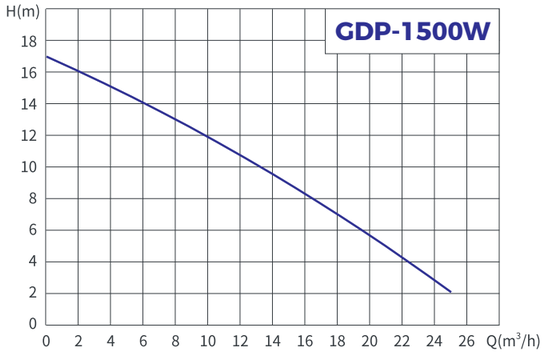
Performance Curve



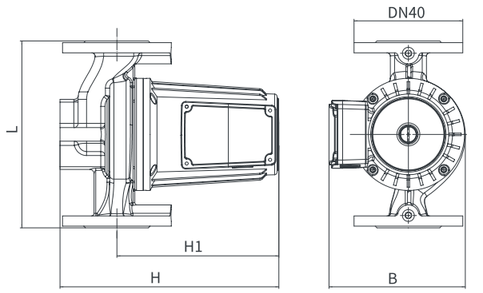




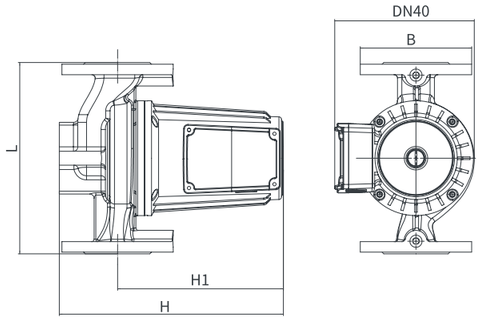




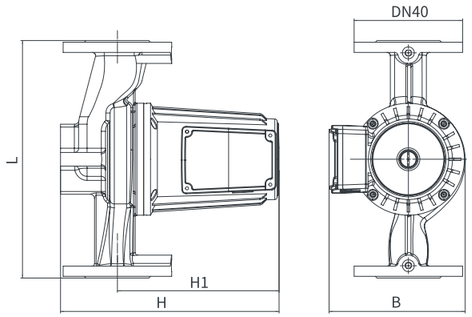
Technical Parameter



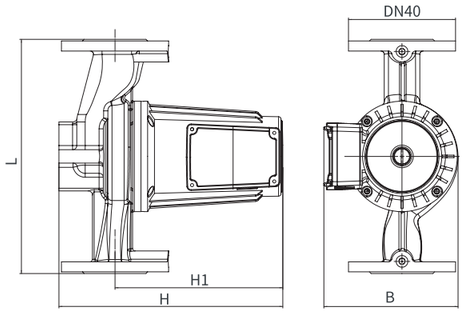
GDP370W/550W



GDP750W



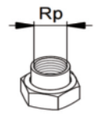
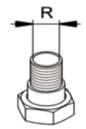
GDP1100W



GDP1500W

Model	Prower (W)	Flow MAX (m^3/h)	Head Max (m)	Pump connection	L (mm)	B (mm)	H (mm)	H1 (mm)
GDP40-11-220F	370	10	11	DN40	220	160	258	190
GDP50-11-220F		11	11	DN50				
GDP40-12-220F	550	11	12	DN40				
GDP50-12-220F		11.5	12	DN50				
GDP40-16-255F	750	14	16	DN40	255	199	293	222
GDP50-16-255F		16	16	DN50				
GDP40-17-280F	1100	17	17	DN40	280	199	302	225
GDP50-17-280F		22	17	DN50				
GDP40-18-280F	1500	20	18	DN40	280	199	325	242
GDP50-18-280F		25	18	DN50				

Spare Part

Pipe Fitting					
Pump Body	**Pump Body Thread Size**	**Rp**		**R**	
15-XX	G3/4"			G1/2"	
15-XX-B				G1/2"	
15-XX	G1"				G3/4"
15-XX-B				G1/2"	G3/4"
20-XX	G1 1/4"				G1"
20-XX-B					G1"
25-XX	G1 1/2"	G1"			G1 1/4"
25-XX-B		G1"			
32-XX	G2"	G1 1/4"	G1 1/2"		
32-XX-B			G1 1/2"		