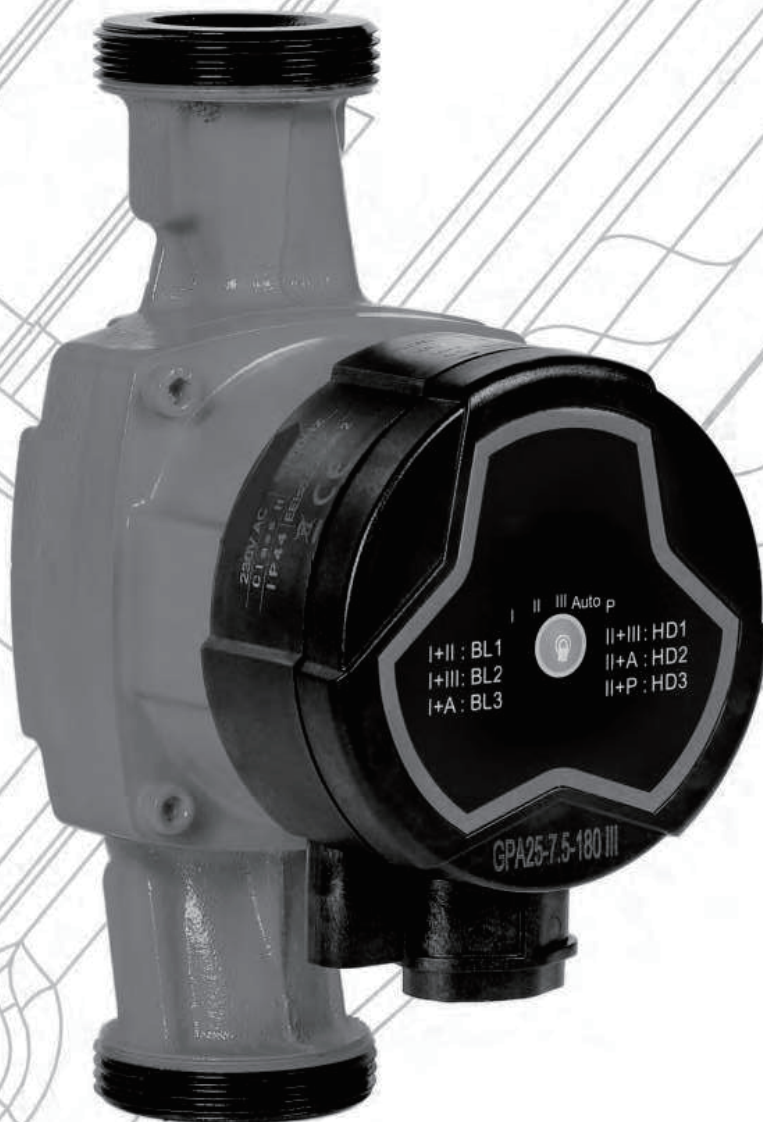


EKG III

High Efficiency Circulation Pump



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

Features and benefits

Easy installation and operation

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

Low noise and high comfort

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

Low energy consumption

A class energy efficiency, Power consumption lowest to 5W

Multiple protection

With over-voltage and over-current protection

Eco-Design Benchmark

$\text{EEI} \leq 0.20\text{-Part2}$

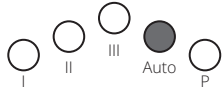
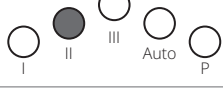
Quick release power plug

Start-up and stop the pump quickly.

Product photo and control modes



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

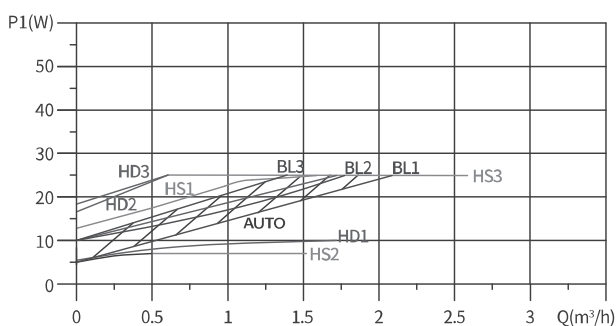
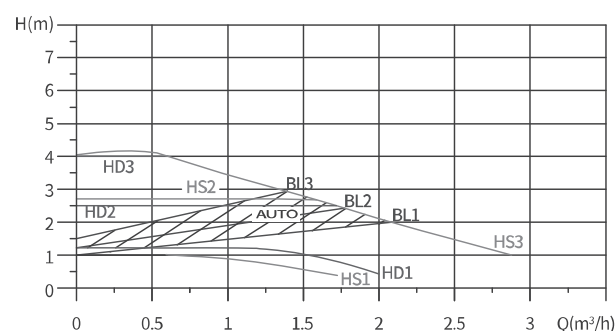
Lighting area	Explanation	As shown in the figure
Auto (Factory setting)	Highest to Lowest Proportional Pressure Curve	
HS1	Constant Speed 1	
HS2	Constant Speed II	
HS3	Constant Speed III	
BL1	Lowest Proportional Pressure Curve	
BL2	Intermediate Proportional Pressure Curve	
BL3	Highest Proportional Pressure Curve	
HD1	Lowest Constant Pressure Curve	
HD2	Intermediate Constant Pressure Curve	
HD3	Highest Constant Pressure Curve	
PWM	Duty cycle and rotational velocity curve	

Technical data

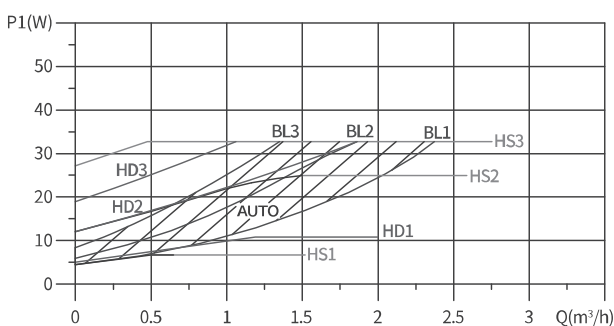
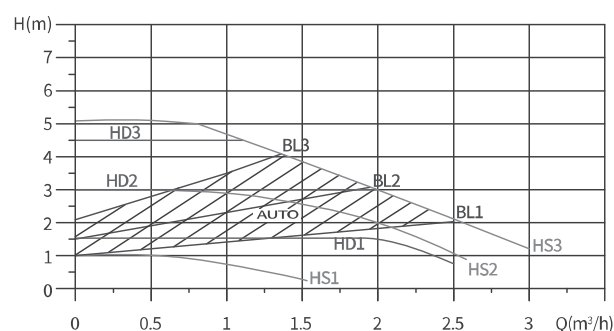
Power supply voltage	230V 50/60HZ, PE
Motor protection	No external protection required
IP class	IP44
Insulation class	H
Humidity (RH)	Max 95%
System pressure	1.0 MPa
Compliance	CE / GS/ EMC/ LVD/RoHS/REACH
Environment temperature	0~+70°C
Temperature class	TF110
Liquid temperature	-30~+110°C (Glycol up to 50%)

Performance curve

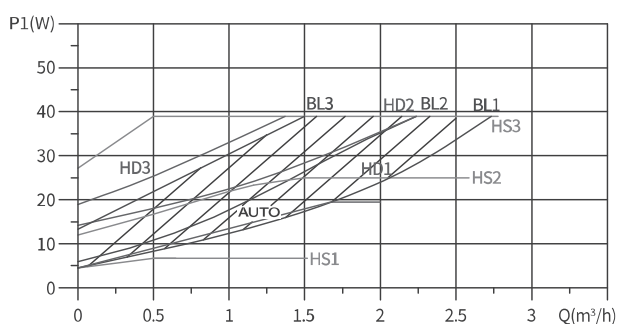
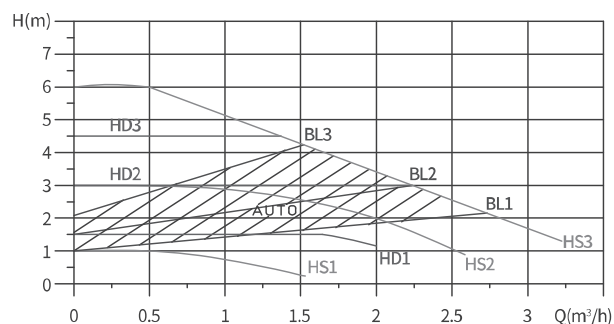
EKGXX-4 III Performance curve



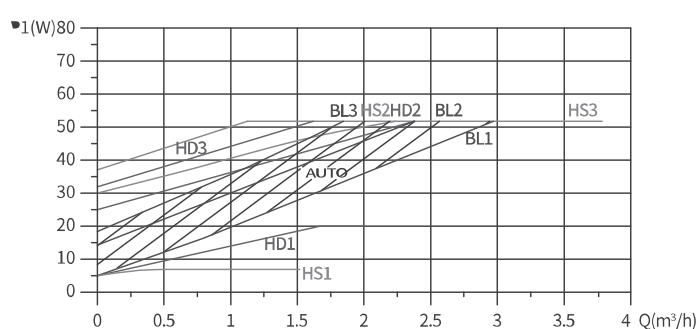
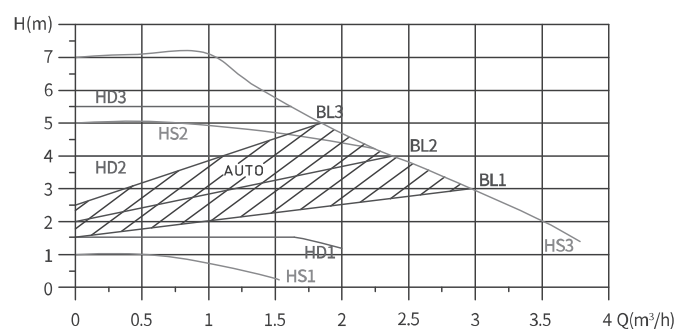
EKGXX-5 III Performance curve



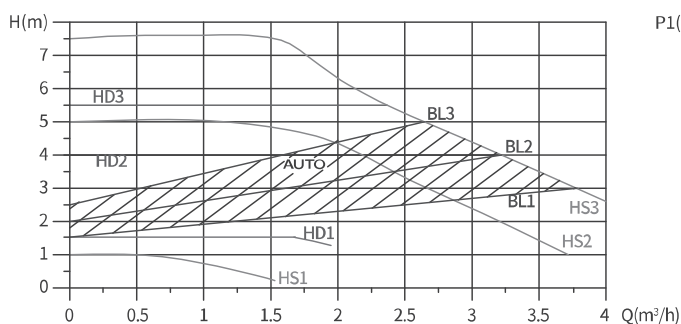
EKGXX-6 III Performance curve



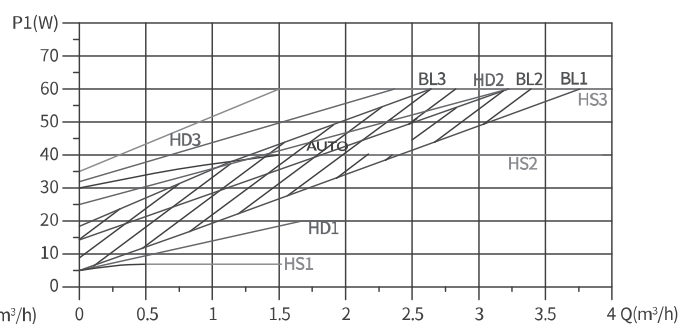
EKGXX-7 III Performance curve



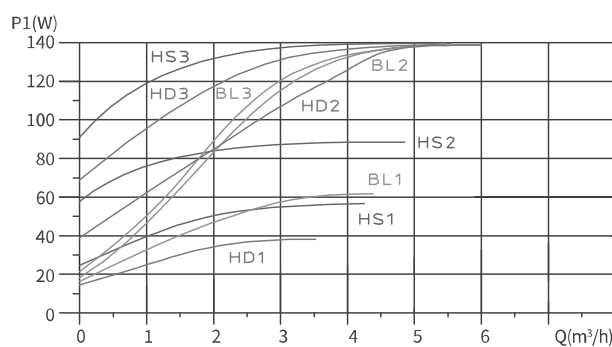
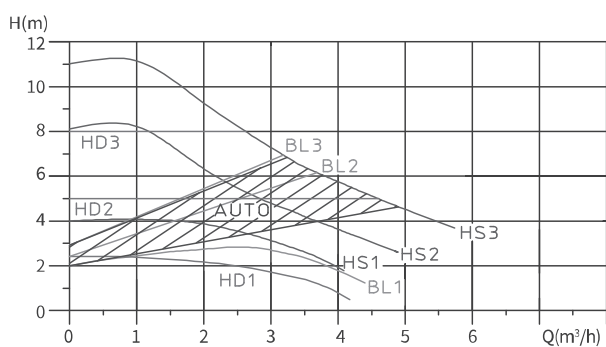
EKGXX-7.5 III Performance curve



EKGXX-7.5 III Performance curve

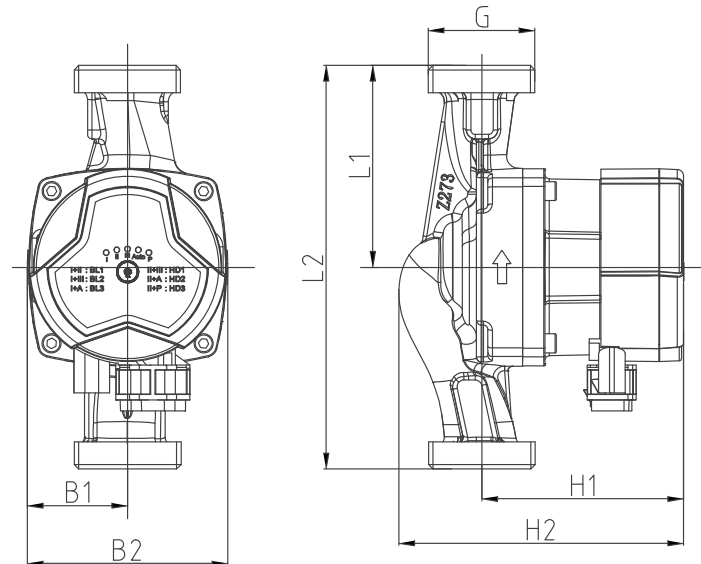


EKG25-11 III Performance curve



Installation drawing and performance parameter

Installation drawing



Performance parameter

Power (W)	Model	Max Flow (m³/h)	Max Head (m)	Current (A)	Voltage/ Frequency	Material of pump housing				Dimension(mm)							Package size (mm*mm*mm)		Wt.(kg)	
						230V 50/60Hz	Cast Iron	Plastic	Copper	Stainless Steel	L1	L2	B1	B2	H1	H2	G	Inner box (mm)	G.W.	N.W.
25	EKG20-4 III	2.2	4	0.25		●	●	●	●	●	65	130	45	90	94	122	1"	155x140x165	2.1	1.6
	EKG25-4 III	2.5				●	●	●	●	●	65	130	45	90	90	127	1 1/2"	155x140x165	2.3	1.8
	EKG32-4 III	2.8				●	●	●	●	●	90	180	45	90	90	127	2"	200x165x155	2.9	2
33	EKG20-5 III	2.3	5	0.3		●	●	●	●	●	65	130	45	90	94	122	1"	155x140x165	2.1	1.6
	EKG25-5 III	2.8				●	●	●	●	●	65	130	45	90	90	127	1 1/2"	155x140x165	2.3	1.8
	EKG32-5 III	3.2				●	●	●	●	●	90	180	45	90	90	127	2"	200x165x155	2.9	2
39	EKG20-6 III	2.8	6	0.35		●	●	●	●	●	65	130	45	90	94	122	1"	155x140x165	2.1	1.6
	EKG25-6 III	3.2				●	●	●	●	●	65	130	45	90	90	127	1 1/2"	155x140x165	2.3	1.8
	EKG32-6 III	3.6				●	●	●	●	●	90	180	45	90	90	127	2"	200x165x155	2.9	2
52	EKG20-7 III	2.8	7	0.45		●	●	●	●	●	65	130	45	90	94	122	1"	155x140x165	2.1	1.6
	EKG25-7 III	3.4				●	●	●	●	●	65	130	45	90	90	127	1 1/2"	155x140x165	2.3	1.8
	EKG32-7 III	3.8				●	●	●	●	●	90	180	45	90	90	127	2"	200x165x155	2.9	2
60	EKG20-7.5 III	2.8	7.5	0.5		●	●	●	●	●	65	130	45	90	94	122	1"	155x140x165	2.1	1.6
	EKG25-7.5 III	3.4				●	●	●	●	●	65	130	45	90	90	127	1 1/2"	155x140x165	2.3	1.8
		3.8				●	●	●	●	●	65	130	45	90	90	127	1 1/2"	200x165x155	2.5	1.9
	EKG32-7.5 III	3.8				●	●	●	●	●	90	180	45	90	90	127	2"	200x165x155	2.9	2
140	EKG25-11	5.5	11	1.0		●	●	●	●	●	90	180	66	132	132	170	1 1/2"	205x180x190	3.8	3
	EKG32-11	7	11	1.0		●	●	●	●	●	90	180	66	132	132	170	2"	205x180x190	4	3.2