RVP

RVP-HE
HIGH EFFICIENCY CIRCULATION PUMPS

HIGH EFFICIENCY FEATURES

RVG RVP-HE High Efficiency Circulation Pump is engineered with a compact, modern design featuring an integrated intelligent controller and built-in frequency converter. This advanced configuration ensures quick installation, simple operation, and reliable performance across a wide range of applications.

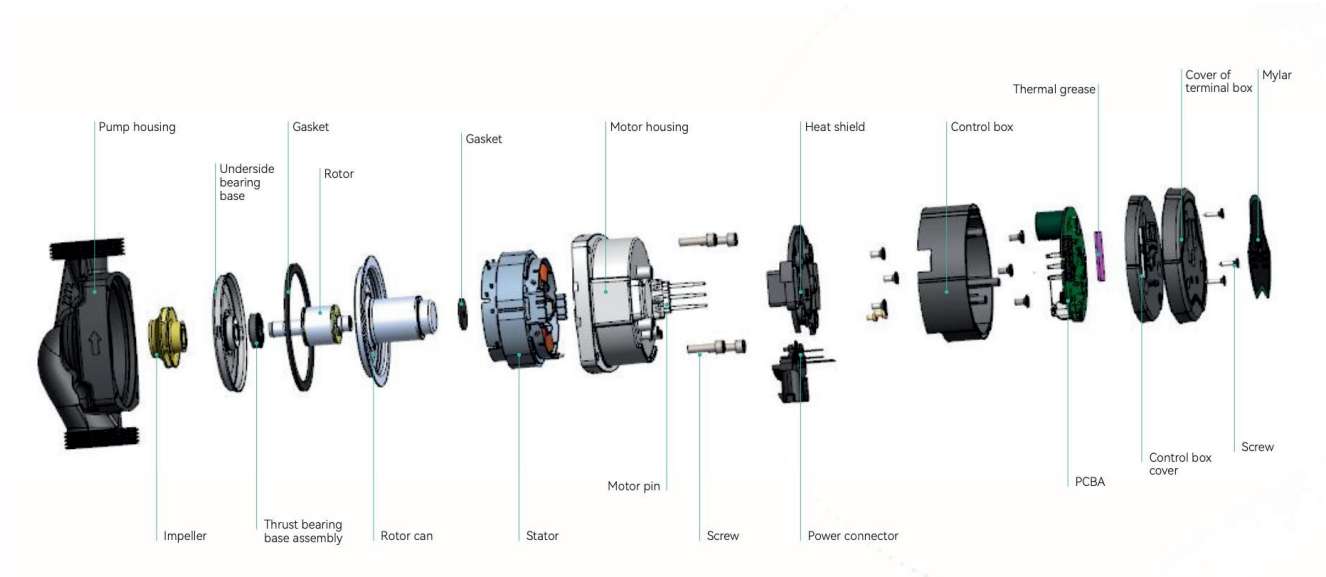
Designed for superior energy optimization, the RVG RVP-HE uses a unique adaptive operating mode that automatically adjusts performance according to system demand. This results in significantly lower power consumption while maintaining consistent circulation efficiency.

With its robust construction, smart control technology, and energy-saving operation, the RVG RVP-HE circulation pump delivers an ideal balance of performance, reliability, and sustainability—making it the perfect choice for residential, commercial, and industrial systems.

AREAS OF APPLICATION

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



RVP

RVP-HE-C/CS
HIGH EFFICIENCY CIRCULATION PUMPS

FEATURES & BENEFITS

Easy installation and operation

Equipped with Self-Adapting Mode (Auto Mode – factory setting), the pump starts automatically once power is connected and adjusts performance according to actual system demand.
Control is achieved through digital pulse-width modulation (PWM) low-voltage signal, allowing the pump to meet different flow requirements across various systems.

Low noise and high comfort

Noise level: ≤42 dB(A)

Low energy consumption

A-class energy efficiency with power consumption as low as 5W.

Multiple protection

Includes over-voltage and over-current protection.

Eco-Design benchmark

EEI < 0.20 – Part 2

Two versions to meet different usage requirements

1. Button model – mode switching via push button
2. Rotary control model – simple and intuitive operation

Quick-release power plug

Enables fast pump start-up and shutdown.

RVP-HE-C

RVP-HE-CS

APPLICATIONS

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

PRODUCT PHOTO AND CONTROL MODES

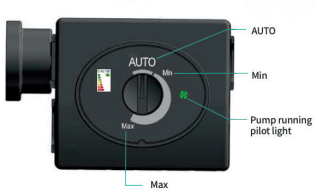
RVP-HE-CS

Night mode

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

Setting	Explanation
Auto (Factory Setting)	Propotional pressure curve descending from highest to lowest
BL1	Min. propotional pressure curve
BL2	Max. propotional Pressure Curve
HD1	Min. Constant Pressure Curve
HD2	Max. Constant Pressure Curve
III	Constant Speed III
II	Constant Speed II
I	Constant Speed I
	Night Mode
N	PWM duty circle performance curve

RVP-HE-C



Running light

- Switch between AUTO and Min-Max with rotary control

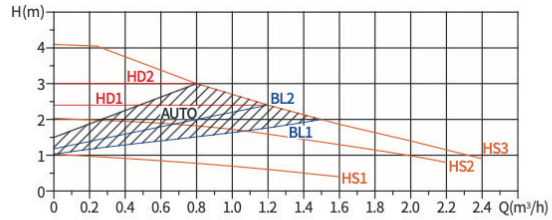
Setting	Explanation
AUTO (Factory Setting)	Propotional pressure curve descending from highest to lowest
Continuosly Viable	"Min-Max" Curve

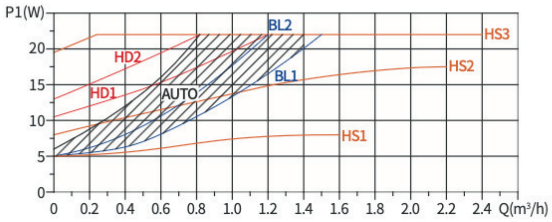
TECHNICAL PARAMETER

Power supply voltage	230V (+10%-15%) 50/60HZ,PE
Motor protection	No external protection required
IP class	IP42
Insulation class	H
(RH) Humidity	Max. 95%
System pressure	1.0 MPa
Compliance	CE/ GS/ EMC/ LVD/RoHS/REACH
Ambient temperature	0°C~+40°C
Temperature class	TF110
Medium temperature	+2°C~+110°C(Glycol up to 50%)

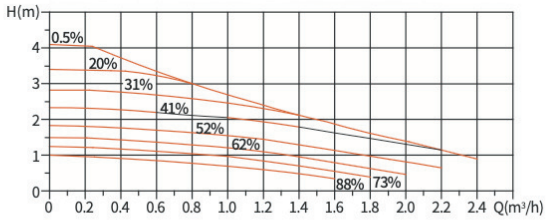
RVP-HE-CS PERFORMANCE CURVE

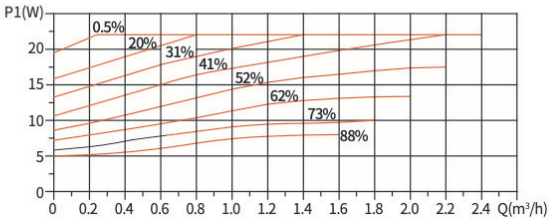
RVP-HE-CS XX 4 PERFORMANCE CURVE



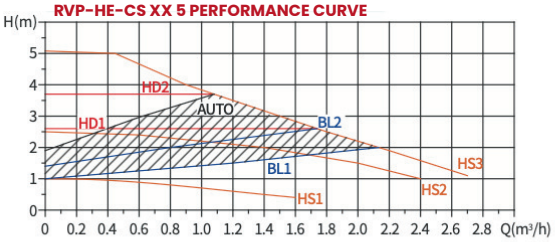


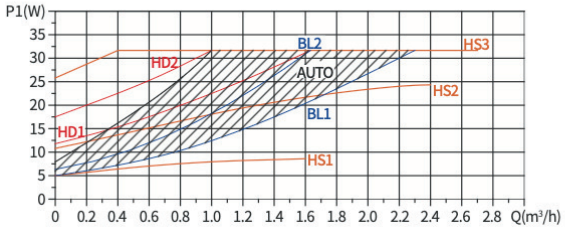
PERFORMANCE CURVE UNDER PWM SIGNAL CONTROL





RVP-HE-CS XX 5 PERFORMANCE CURVE





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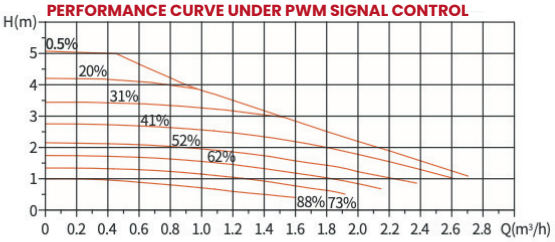
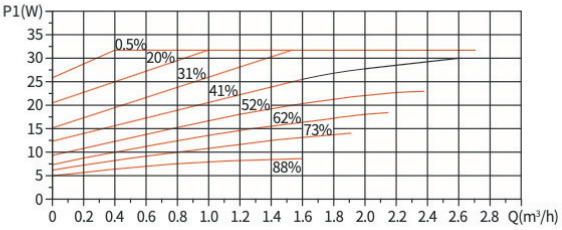
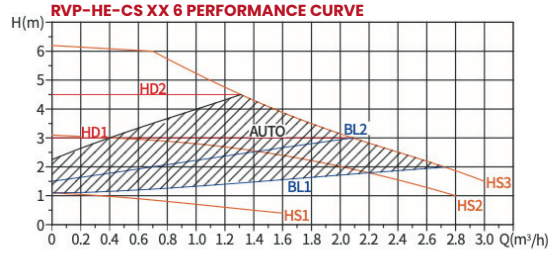
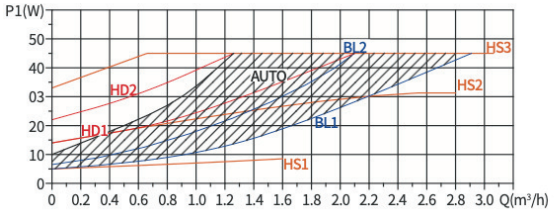




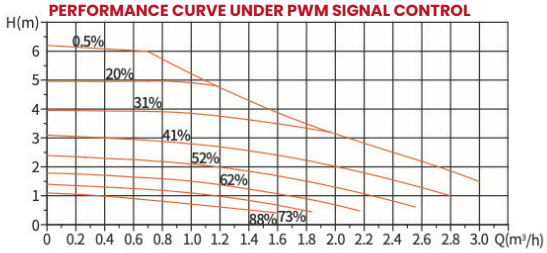
RVP-HE-CS PERFORMANCE CURVE

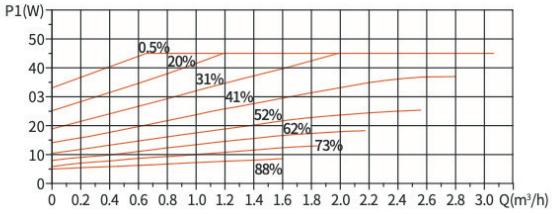
RVP-HE-CS XX 6 PERFORMANCE CURVE



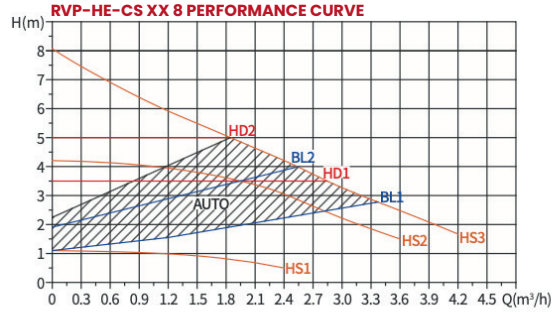


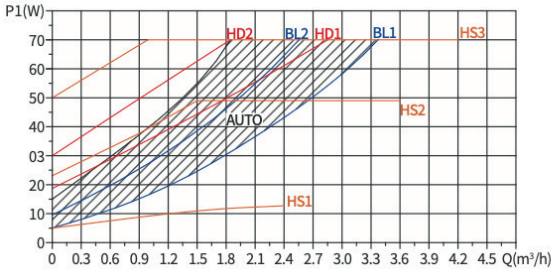
PERFORMANCE CURVE UNDER PWM SIGNAL CONTROL



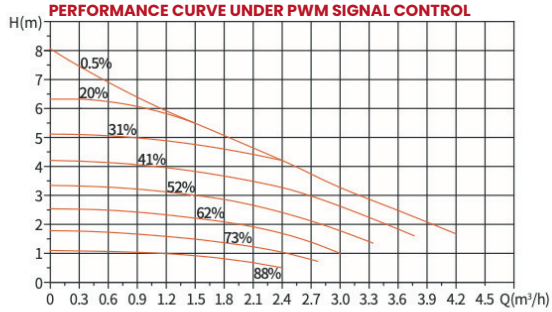


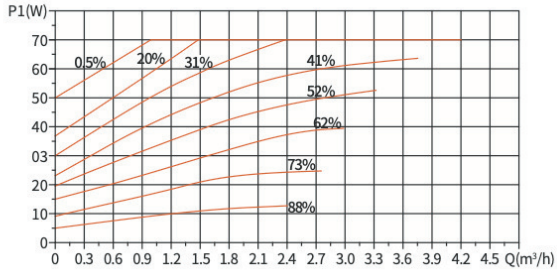
RVP-HE-CS XX 8 PERFORMANCE CURVE





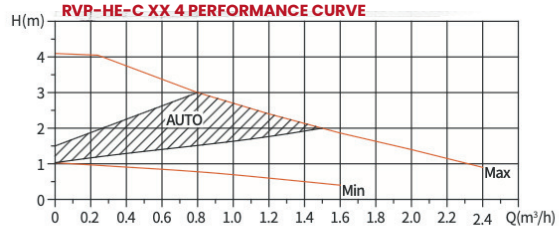
PERFORMANCE CURVE UNDER PWM SIGNAL CONTROL

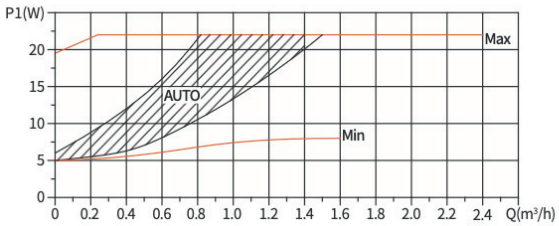




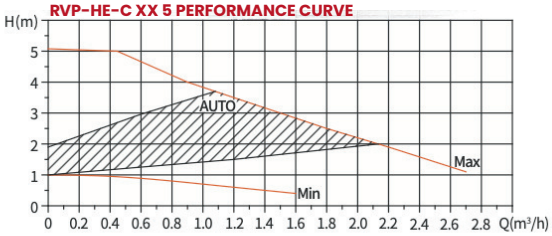
RVP-HE-C PERFORMANCE CURVE

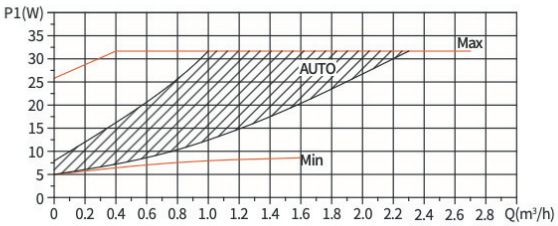
RVP-HE-C XX 4 PERFORMANCE CURVE





RVP-HE-C XX 5 PERFORMANCE CURVE



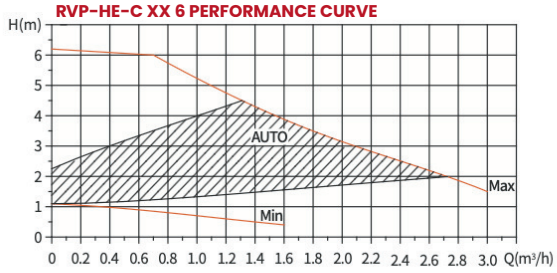


RVP

RVP-HE-C/CS
HIGH EFFICIENCY CIRCULATION PUMPS

RVP-HE-C PERFORMANCE CURVE

RVP-HE-C XX 6 PERFORMANCE CURVE



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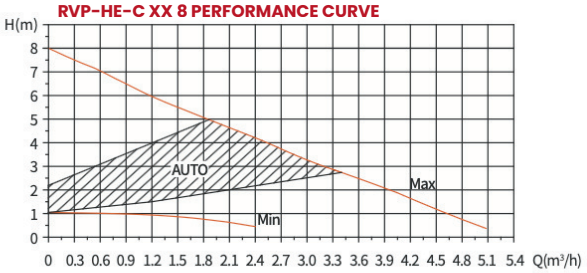
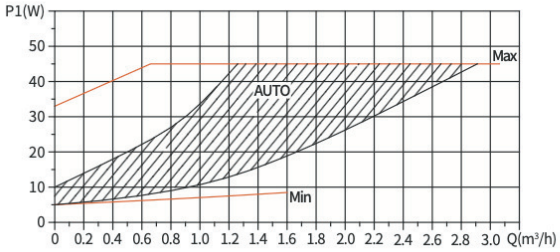
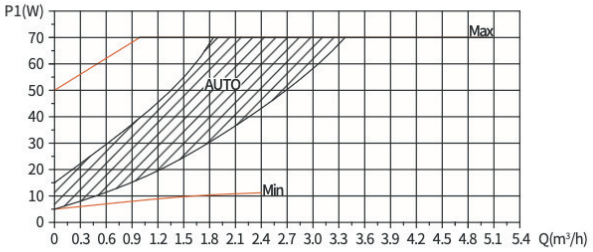
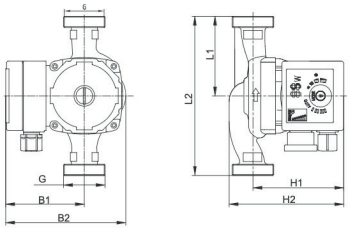


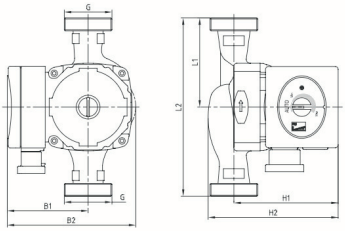




INSTALLATION DRAWING & PERFORMANCE PARAMETER



RVP-HE-CS



RVP-HE-C

Model	Max Flow (m^3/h)	Max Head (m^3/h)	Power (W)	Current (A)	Voltage/ Frequency	Pump Housing Material				Dimensions (mm)							Package Size (mmxmmxmm)	Weight (kg)	
						Cast iron	Plastic	Brass	Stainless Steel	L1	L2	B1	B2	H1	H2	G	Inner Box	G.W.	N. W.
RVP-HE-CS 20-4	2.3	4	22	0.19	230V 50/60Hz	✓	✓	✓	✓	65	130	82	130	103	127	1"	155x140x165	2.4	1.9
RVP-HE-CS 25-4	2.5					✓		✓	✓	65	130	82	130	103	130	1½"	155x140x165	2.9	2.1
										75	150	82	130	103	130		200x165x155	3.1	2.3
										90	180	82	130	103	130		200x165x155	3.2	2.4
RVP-HE-CS 32-4	3.0					✓				90	180	82	130	102	132	2"	200x165x155	3.5	2.5
RVP-HE-CS 20-5	2.5	5	32	0.27		✓	✓	✓	✓	65	130	82	130	103	127	1"	155x140x165	2.4	1.9
RVP-HE-CS 25-5	3.0					✓		✓	✓	65	130	82	130	103	130	1½"	155x140x165	2.9	2.1
										75	150	82	130	103	130		200x165x155	3.1	2.3
										90	180	82	130	103	130		200x165x155	3.2	2.4
RVP-HE-CS 32-5	3.5					✓				90	180	82	130	102	132	2"	200x165x155	3.5	2.5
RVP-HE-CS 20-6	2.8	6	45	0.38		✓	✓	✓	✓	65	130	82	130	103	127	1"	155x140x165	2.4	1.9
RVP-HE-CS 25-6	3.2					✓		✓	✓	65	130	82	130	103	130	1½"	155x140x165	2.9	2.1
										75	150	82	130	103	130		200x165x155	3.1	2.3
										90	180	82	130	103	130		200x165x155	3.2	2.4
RVP-HE-CS 32-6	4.0					✓				90	180	83	130	102	132	2"	200x165x155	3.5	2.5
RVP-HE-CS 20-8	3.4	8	70	0.52		✓	✓	✓	✓	65	130	88	136	103	127	1"	155x140x165	2.9	2.1
RVP-HE-CS 25-8	4.0					✓		✓	✓	65	130	88	136	103	130	1½"	155x140x165	2.9	2.1
										75	150	88	136	103	130		200x165x155	3.1	2.3
										90	180	88	136	103	130		200x165x155	3.2	2.4
RVP-HE-CS 32-8	5.0					✓				90	180	88	136	102	132	2"	200x165x155	3.5	2.5

RVP

RVP-HE-CE
HIGH EFFICIENCY CIRCULATION PUMPS

FEATURES & 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.

Low noise and high comfort
Noise index: <42dB(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
EEI < 0.20-Part 2

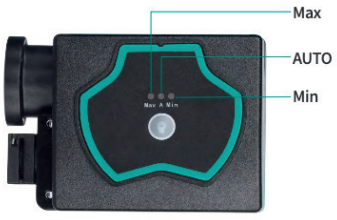
Quick release power plug
Start-up and stop the pump quickly.

Product photo and control modes
Running lights
Switch between AUTO and Min-Max with button

APPLICATIONS

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

PRODUCT PHOTO AND CONTROL MODES



Setting	Explanation
AUTO (Factory Setting)	Propotional pressure curve descending from highest to lowest
Min	Min. Curve
Max	Max. Curve

RVP

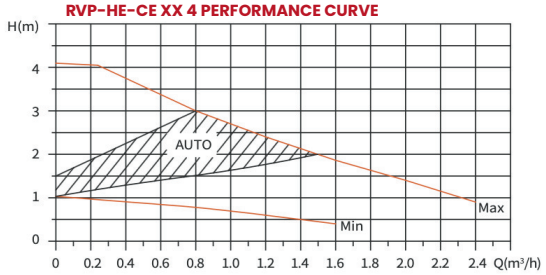
RVP-HE-CE
HIGH EFFICIENCY CIRCULATION PUMPS

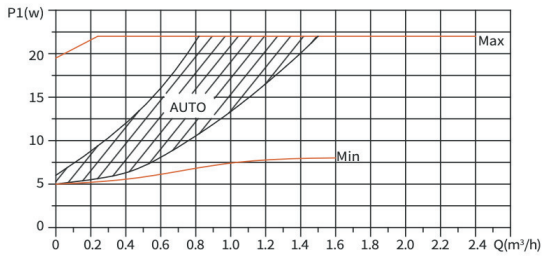
TECHNICAL PARAMETER

Power supply voltage	230V (+10% -15%) 50/60Hz,PE
Motor protection	No external protection required
IP class	IP42
Insulation class	H
(RH) Humidity	Max. 95%
System pressure	1.0 MPa
Compliance	CE/ GS/ EMC/ LVD/RoHS/REACH
Ambient temperature	0~+40°C
Temperature class	TF110
Medium temperature	+2°C~+110°C (Glycol up to 50%)

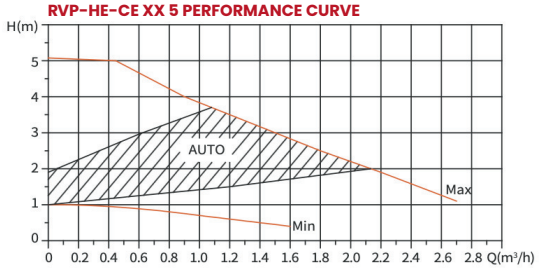
RVP-HE-CS PERFORMANCE CURVE

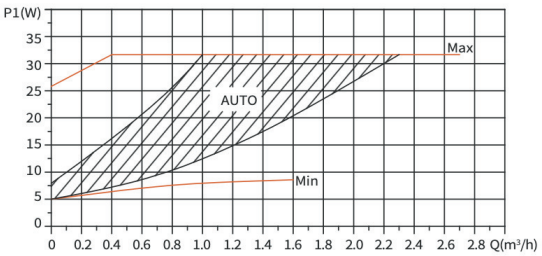
RVP-HE-CE XX 4 PERFORMANCE CURVE



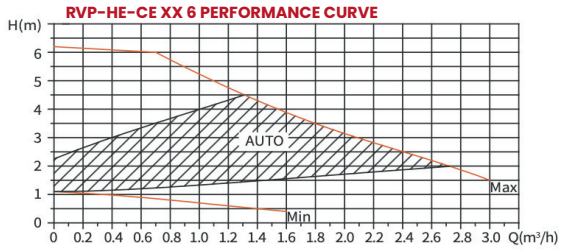


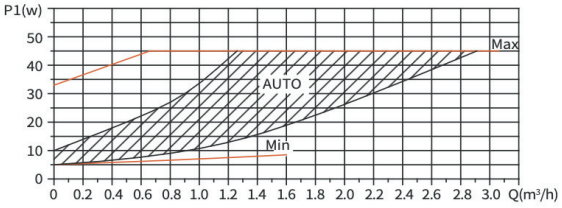
RVP-HE-CE XX 5 PERFORMANCE CURVE





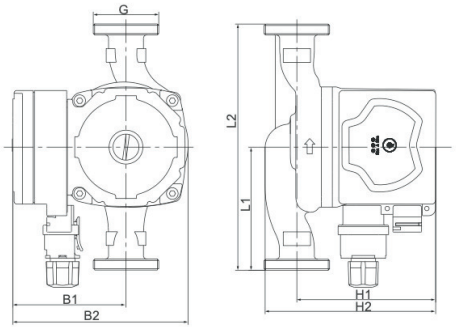
RVP-HE-CE XX 6 PERFORMANCE CURVE





RVP-HE-CE
HIGH EFFICIENCY CIRCULATION PUMPS

INSTALLATION DRAWING



PERFORMANCE PARAMETER

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										90	180	82	130	103	130		200x165x155	3.2	2.4
RVP-HE-CE 32-4	3.0					✓				90	180	82	130	102	132	2"	200x165x155	3.5	2.5
RVP-HE-CE 20-5	2.5	5	32	0.27		✓	✓	✓	✓	65	130	82	130	103	127	1"	155x140x165	2.4	1.9
RVP-HE-CE 25-5	3.0					✓		✓	✓	65	130	82	130	103	130	1½"	155x140x165	2.9	2.1
										75	150	82	130	103	130		200x165x155	3.1	2.3
										90	180	82	130	103	130		200x165x155	3.2	2.4
RVP-HE-CE 32-5	3.5					✓				90	180	82	130	102	132	2"	200x165x155	3.5	2.5
RVP-HE-CE 20-6	2.8	6	45	0.38		✓	✓	✓	✓	65	130	82	130	103	127	1"	155x140x165	2.4	1.9
RVP-HE-CE 25-6	3.2					✓		✓	✓	65	130	82	130	103	130	1½"	155x140x165	2.9	2.1
										75	150	82	130	103	130		200x165x155	3.1	2.3
										90	180	82	130	103	130		200x165x155	3.2	2.4
RVP-HE-CE 32-6	4.0					✓				90	180	82	130	102	132	2"	200x165x155	3.5	2.5

RVP

RVP-HE-MD
HIGH EFFICIENCY CIRCULATION PUMPS

FEATURES & 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: ≤42dB(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
EEI ≤0.20-Part 2

Quick release power plug
Start-up and stop the pump quickly.

APPLICATIONS

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

PRODUCT PHOTO AND CONTROL MODES

4 PRESS BUTTON TO SWITCH BETWEEN MODES.
(AUTO,PP1,PP2,PP3,CP1,CP2,CP3, CS1, CS2, CS3, P1, P2, MAX)

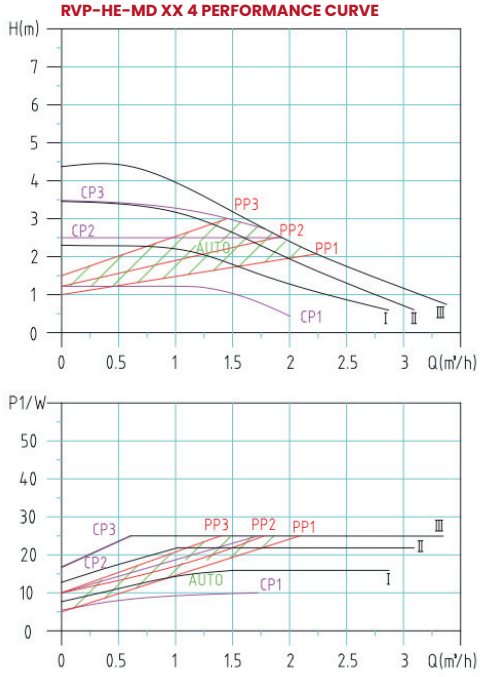
Keystrokes number of times	Lighting Area	Clarfication	Icon
0	AUTO	Auto-adaptation	
1	PP1	Proportional pressure low speed	
2	PP2	Proportional pressure medium speed	
3	PP3	Proportional Pressure High Speed	
4	CP1	Constant pressure low speed	
5	CP2	Constant pressure medium speed	
6	CP3	Constant pressure high speed	
7	CS1	Constant speed low speed	
8	CS2	Constant velocity medium speed	
9	CS3	Constant speed high speed	

TECHNICAL PARAMETER

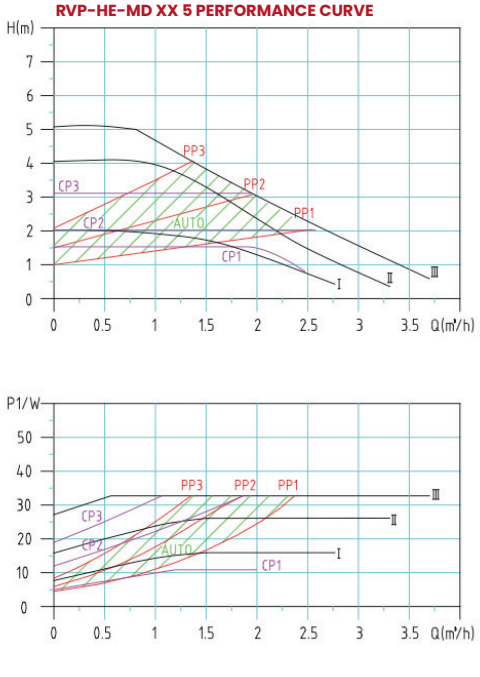
Power supply voltage	230V (+10% -15%) 50/60Hz,PE
Motor protection	No external protection required
IP class	IP44
Insulation class	H
Humidity (RH)	Max 95%
System pressure	1.0 MPa
Compliance	CE/ GS/ EMC/ LVD/RoHS/REACH
Ambient temperature	-30°C~70°C
Temperature class	TF110
Medium temperature	-20°C~110°C(Glycol up to 50%)

RVP-HE-MD PERFORMANCE CURVE

RVP-HE-MD XX 4 PERFORMANCE CURVE

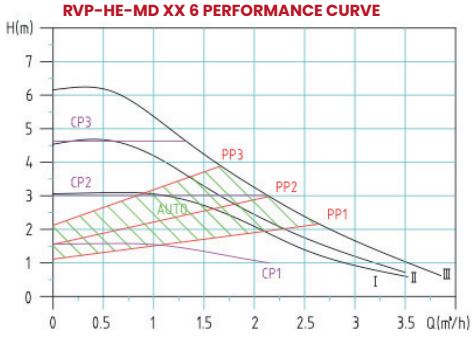


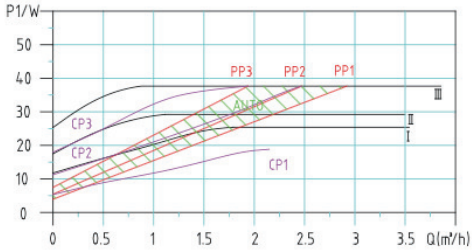
RVP-HE-MD XX 5 PERFORMANCE CURVE



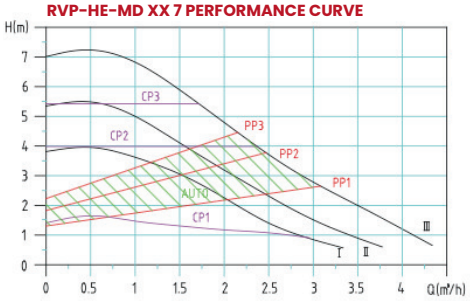
RVP-HE-MD PERFORMANCE CURVE

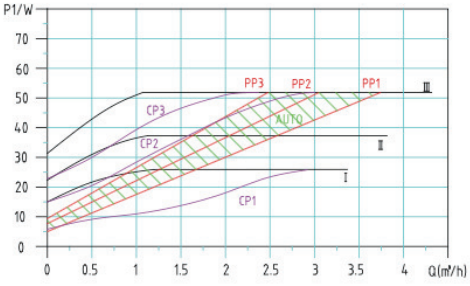
RVP-HE-MD XX 6 PERFORMANCE CURVE



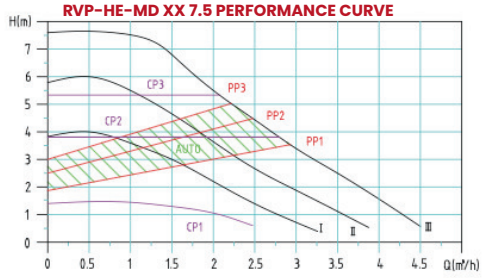


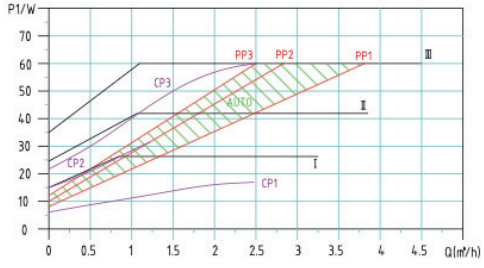
RVP-HE-MD XX 7 PERFORMANCE CURVE



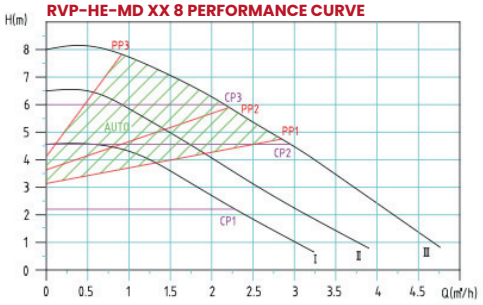


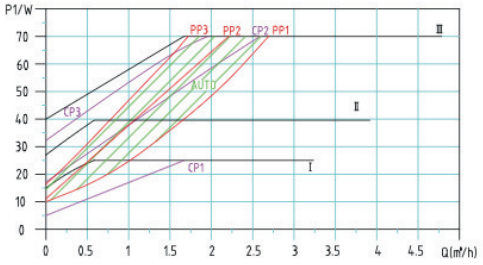
RVP-HE-MD XX 7.5 PERFORMANCE CURVE





RVP-HE-MD XX 8 PERFORMANCE CURVE

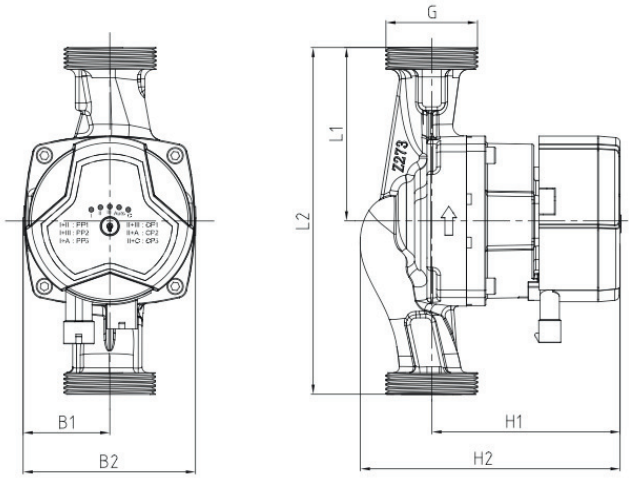




RVP

RVP-HE-MD
HIGH EFFICIENCY CIRCULATION PUMPS

INSTALLATION DRAWING



PERFORMANCE PARAMETER

Model	Max Flow (m^3/h)	Max Head (m^3/h)	Power (W)	Current (A)	Voltage/ Frequency	Pump Housing Material				Dimensions (mm)							Package Size (mmxmmxmm)	Weight (kg)	
						Cast iron	Plastic	Brass	Stainless Steel	L1	L2	B1	B2	H1	H2	G	Inner Box	G.W.	N. W.
RVP-HE-MD 20-4	2.6	4	25	0.25	230V 50/60Hz	✓	✓	✓	✓	65	130	45	90	90	135	1"	155x140x165	2.1	1.6
RVP-HE-MD 25-4	2.8					✓				65	130	45	90	90	135	1½"	155x140x165	2.3	1.8
						✓		✓	✓	90	180	45	90	90	135		200x165x155	2.5	1.9
RVP-HE-MD 32-4	3.4					✓				90	180	45	90	90	135	2"	200x165x155	2.9	2
RVP-HE-MD 20-5	2.8	5	33	0.3		✓	✓	✓	✓	65	130	45	90	90	135	1"	155x140x165	2.1	1.6
RVP-HE-MD 25-5	3					✓				65	130	45	90	90	135	1½"	155x140x165	2.3	1.8
						✓		✓	✓	90	180	45	90	90	135		200x165×155	2.5	1.9
RVP-HE-MD 32-5	3.6					✓				90	180	45	90	90	135	2"	200x165x155	2.9	2
RVP-HE-MD 20-6	3	6	39	0.35		✓	✓	✓	✓	65	130	45	90	90	135	1"	155x140x165	2.1	1.6
RVP-HE-MD 25-6	3.2					✓				65	130	45	90	90	135	1½"	155x140x165	2.3	1.8
						✓		✓	✓	90	180	45	90	90	135		200x165x155	2.5	1.9
RVP-HE-MD 32-6	3.8					✓				90	180	45	90	90	135	2"	200x165x155	2.9	2
RVP-HE-MD 20-7	3.4	7	52	0.45		✓	✓	✓	✓	65	130	45	90	90	135	1"	155x140x165	2.1	1.6
RVP-HE-MD 25-7	3.6					✓				65	130	45	90	90	135	1½"	155x140×165	2.3	1.8
						✓		✓	✓	90	180	45	90	90	135		200x165x155	2.5	1.9
RVP-HE-MD 32-7	4.2					✓				90	180	45	90	90	135	2"	200x165x155	2.9	2
RVP-HE-MD 20-7.5	3.5	7.5	60	0.5		✓	✓	✓	✓	65	130	45	90	90	135	1"	155x140x165	2.1	1.6
RVP-HE-MD 25-7.5	3.8					✓				65	130	45	90	90	135	1½"	155x140x165	2.3	1.8
						✓		✓	✓	90	180	45	90	90	135		200x165x155	2.5	1.9
RVP-HE-MD 32-7.5	4.4					✓				90	180	45	90	90	135	2"	20x16.5x15.5	2.9	2
RVP-HE-MD 20-8	3.6	8	70	0.55		✓	✓	✓	✓	65	130	45	90	90	135	1"	155x140x165	2.1	1.6
RVP-HE-MD 25-8	3.9	8				✓				65	130	45	90	90	135	1½"	155×140×165	2.3	1.8
						✓		✓	✓	90	180	45	90	90	135		200×165×155	2.5	1.9
RVP-HE-MD 32-8	4.7	8				✓				90	180	45	90	90	135	2"	200×165×155	2.9	2

RVP

RVP-HE-LPA
HIGH EFFICIENCY CIRCULATION PUMPS

FEATURES & 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.

Low noise and high comfort
Noise index: ≤42dB(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
EEI <0.20-Part 2

Quick release power plug
Start-up and stop the pump quickly.

APPLICATIONS

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

PRODUCT PHOTO AND CONTROL MODES

(HS1, HS2, HS3, AUTO, BL1, BL2, HD1, HD2)
PRESS BUTTON TO SWITCH BETWEEN DIFFERENT CONTROL MODES.

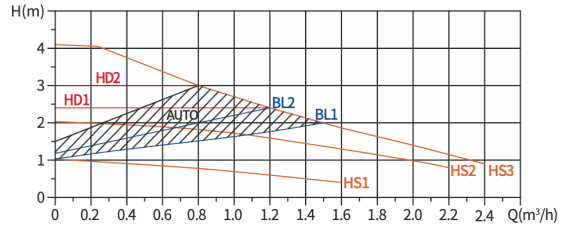
Setting	Explanation
AUTO (Factory Setting)	Propotional pressure curve descending from highest to lowest
BL1	Min.propotional pressure curve
BL2	Max.propotional pressure curve
HD1	Min.constant pressure curve
HD2	Max.constant pressure curve
III	Constant Speed III
II	Constant Speed II
I	Constant Speed I

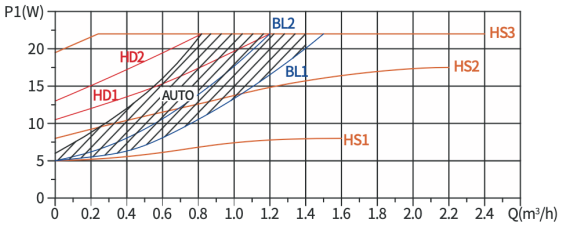
TECHNICAL PARAMETER

Power supply voltage	230V (+10% -15%) 50/60Hz,PE
Motor protection	No external protection required
IP class	IP44
Insulation class	H
(RH) Humidity	Max. 95%
System pressure	1.0 MPa
Compliance	CE/ GS/ EMC/ LVD/RoHS/REACH
Environment temperature	0~+40°C
Temperature class	TF110
Liquid temperature	+2°C~+110°C(Glycol up to 50%)

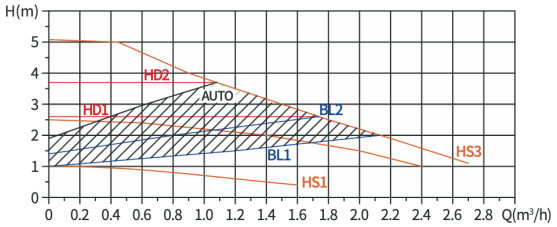
RVP-HE-LPA PERFORMANCE CURVE

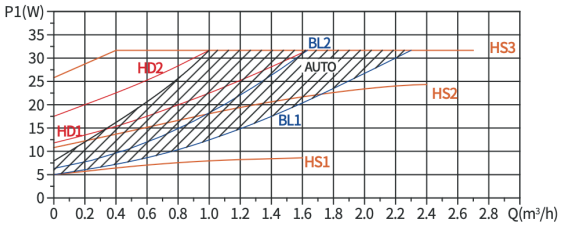
RVP-HE-LPA XX 4 PERFORMANCE CURVE



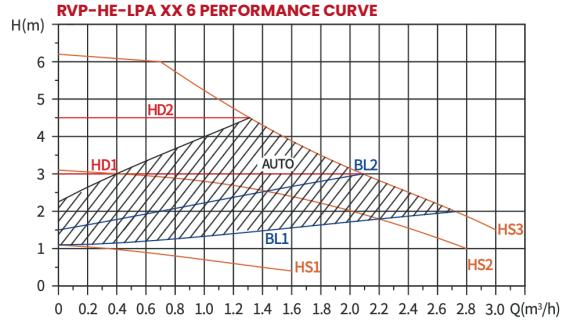


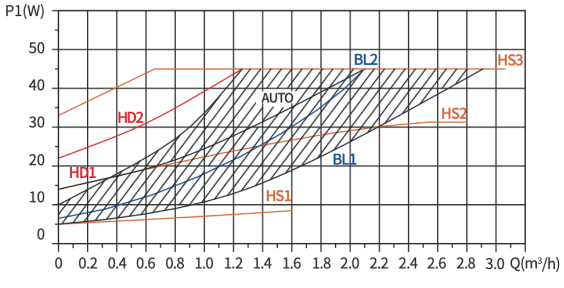
RVP-HE-LPA XX 5 PERFORMANCE CURVE



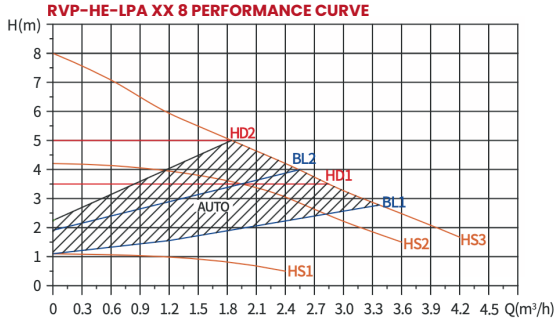


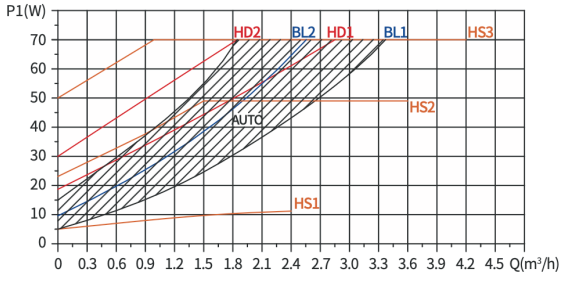
RVP-HE-LPA XX 6 PERFORMANCE CURVE



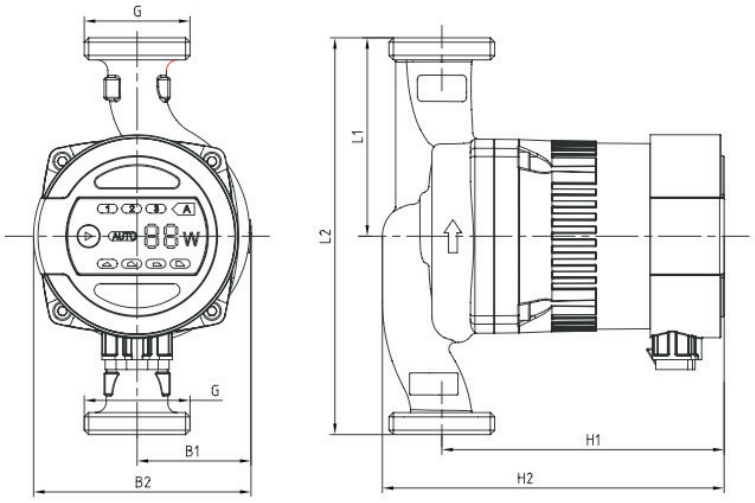


RVP-HE-LPA XX 8 PERFORMANCE CURVE





INSTALLATION DRAWING



RVP-HE-LPA PERFORMANCE CURVE

Model	Max Flow (m^3/h)	Max Head (m^3/h)	Power (W)	Current (A)	Voltage/ Frequency	Pump Housing Material				Dimensions (mm)							Package Size (mmxmmxmm)	Weight (kg)	
						Cast iron	Plastic	Brass	Stainless Steel	L1	L2	B1	B2	H1	H2	G	Inner Box	G.W.	N. W.
RVP-HE-LPA 20-4	2.3	4	22	0.19	230V 50/60Hz	✓	✓	✓	✓	65	130	51	98	133	153	1"	190x170x150	2.4	1.9
RVP-HE-LPA 25-4	2.5					✓		✓	✓	65	130	52	99	128	156	1½"	190x170x150	2.9	2.1
	2.5								✓	75	150	49	96	131	155		190x170x200	3.1	2.3
	2.5					✓		✓	✓	90	180	52	99	128	156		190x170x200	3.2	2.4
RVP-HE-LPA 32-4	3.0					✓				90	180	52	99	128	156	2"	190x170x200	3.5	2.5
RVP-HE-LPA 20-5	2.5	5	32	0.27		✓	✓	✓	✓	65	130	52	99	133	153	1"	190x170x150	2.4	1.9
RVP-HE-LPA 25-5	3.0					✓		✓	✓	65	130	52	99	128	156	1½"	190x170x150	2.9	2.1
	3.0								✓	75	150	49	96	131	155		190x170x200	3.1	2.3
	3.0					✓		✓	✓	90	180	52	99	128	156		190x170x200	3.2	2.4
RVP-HE-LPA 32-5	3.5					✓				90	180	52	99	128	156	2"	190x170x200	3.5	2.5
RVP-HE-LPA 20-6	2.8	6	45	0.38		✓	✓	✓	✓	65	130	52	99	133	153	1"	190x170x150	2.4	1.9
RVP-HE-LPA 25-6	3.2					✓		✓	✓	65	130	52	99	128	156	1½"	190x170x150	2.9	2.1
	3.2								✓	75	150	49	96	131	155		190x170x200	3.1	2.3
	3.2					✓		✓	✓	90	180	52	99	128	156		190x170x200	3.2	2.4
RVP-HE-LPA 32-6	4.2					✓				90	180	52	99	128	156	2"	190x170x200	3.5	2.5
RVP-HE-LPA 20-8	3.4	8	70	0.52		✓	✓	✓	✓	65	130	52	98	133	153	1"	190x170x150	2.4	1.9
RVP-HE-LPA 25-8	4.0					✓		✓	✓	65	130	52	99	128	156	1½"	190x170x150	2.9	2.1
	4.0								✓	75	150	49	96	131	155		190x170x200	3.1	2.3
	4.0					✓		✓	✓	90	180	52	99	128	156		190x170x200	3.2	2.4
RVP-HE-LPA 32-8	5.0					✓				90	180	52	99	128	156	2"	190x170x200	3.5	2.5

RVP

RVP-HE-MG
HIGH EFFICIENCY CIRCULATION PUMPS

FEATURES & 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 pump to be used to meet different flow requirement in various systems.

Low noise and high comfort
Noise index: ≤42dB(A)

Low energy consumption
A class energy efficiency. Power consumption lowest to 6W

Multiple protection
With over-voltage and over-current protection

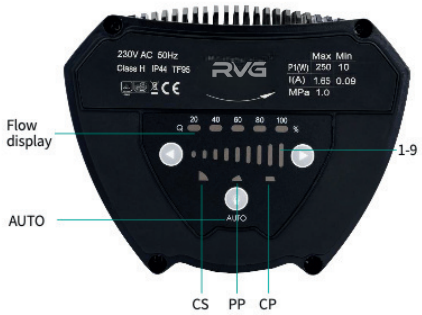
Eco-Design Benchmark
EEI <0.20-Part 2

Quick release power plug
Start-up and stop the pump quickly.

APPLICATIONS

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

PRODUCT PHOTO AND CONTROL MODES



Setting	Explanation
AUTO (Factory Setting)	Running with in Defined Range
PP	Propotional pressure curve
CP	Constant pressure curve
CS	Constant speed curve

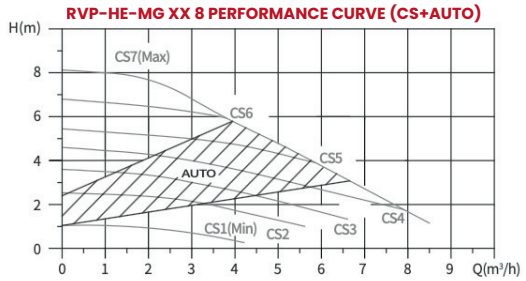
Press button to switch between different control modes and increase or decrease the setting with the buttons on left and right side.

TECHNICAL PARAMETER

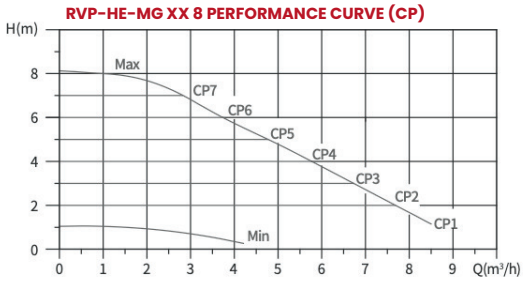
Power supply voltage	230V (+10%-15%) 50/60Hz,PE
Motor protection	No external protection required
IP class	IP44
Insulation class	H
(RH) Humidity	Max. 95%
System pressure	1.0 MPa
Compliance	CE/ GS/ EMC/ LVD/RoHS/REACH
Ambient temperature	0°C~+40°C
Temperature class	TF110
Medium temperature	+2°C~+110°C(Glycol up to 50%)

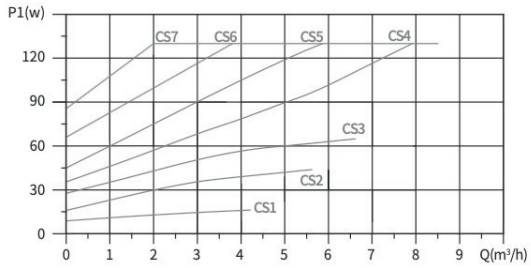
RVP-HE-MG PERFORMANCE CURVE

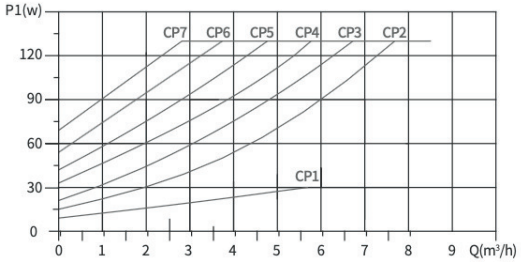
RVP-HE-MG XX 8 PERFORMANCE CURVE (CS+AUTO)



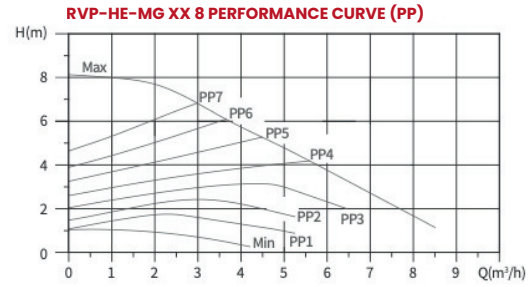
RVP-HE-MG XX 8 PERFORMANCE CURVE (CP)

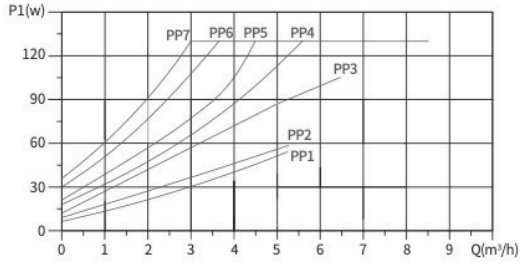






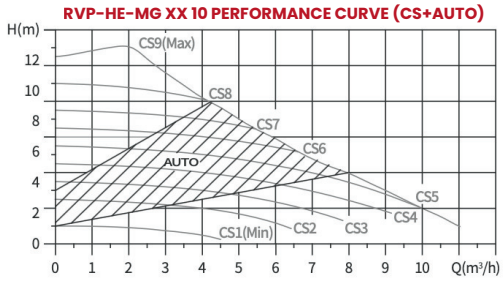
RVP-HE-MG XX 8 PERFORMANCE CURVE (PP)



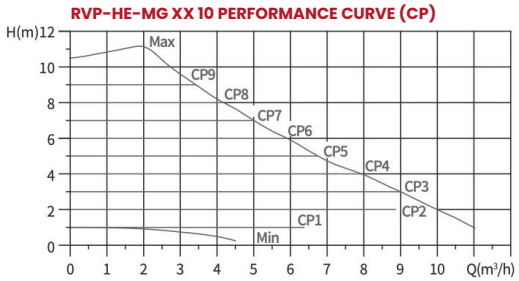


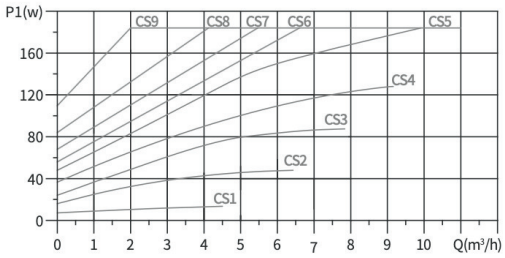
RVP-HE-MG PERFORMANCE CURVE

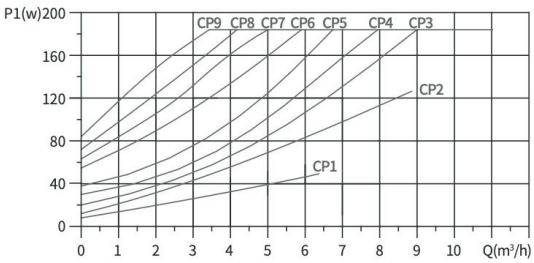
RVP-HE-MG XX 10 PERFORMANCE CURVE (CS+AUTO)



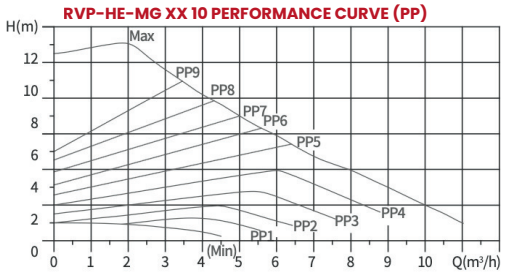
RVP-HE-MG XX 10 PERFORMANCE CURVE (CP)

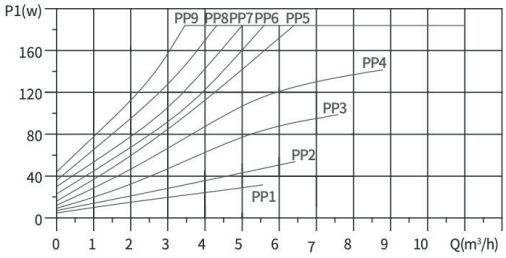




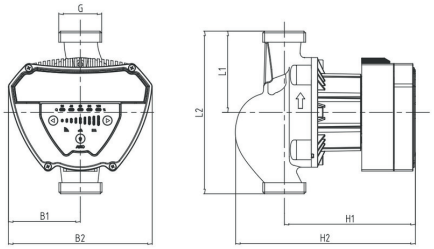


RVP-HE-MG XX 10 PERFORMANCE CURVE (PP)



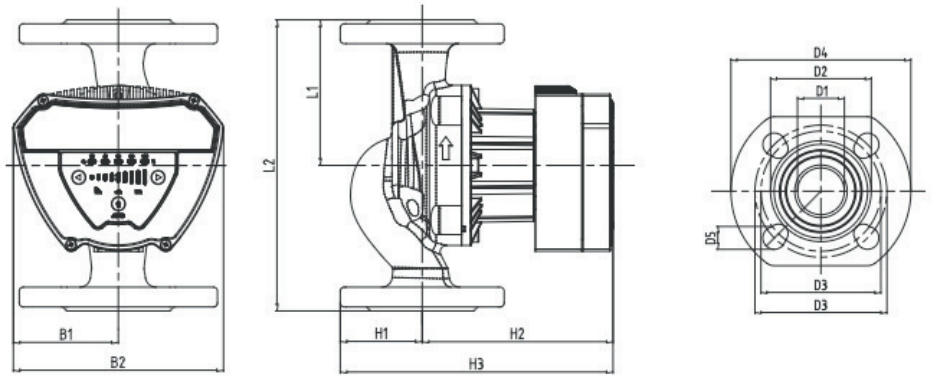


INSTALLATION DRAWING - RVP-HE-MG (DN25/DN32)



Model	Material of Pump Body		Dimension(mm)							Package Size (mmxmmxmm)	Weight (kg)	
	Cast Iron	Stainless Steel	L1	L2	B1	B2	H1	H2	G	Inner Box	G.W.	N.W.
RVP-HE-MG 25-8	✓	✓	90	180	80	160	140	199	1½"	235x180x200	5.0	4.5
RVP-HE-MG 32-8	✓		90	180	80	160	140	199	2"	235x180x200	5.5	5.0
RVP-HE-MG 25-10	✓	✓	90	180	80	160	140	199	1½"	235x180x200	5.0	4.5
RVP-HE-MG 32-10	✓		90	180	80	160	140	199	2"	235x180x200	5.5	5.0

INSTALLATION DRAWING - RVP-HE-MG - F



Model	Pump Body Material													Package Size (mmxmmxmm)	Weight (kg)	
	Cast Iron	L1	L2	B1	B2	H1	H2	H3	D1	D2	D3	D4	D5	Inner Box	G.W.	N.W.
RVP-HE-MG 40-8F	✓	110	220	80	160	62	144	206	40	84	100/110	150	19	245x210x245	10	7.6
RVP-HE-MG 40-10F	✓	110	220	80	160	62	144	206	40	84	100/110	150	19	245x210x245	10	7.6

PERFORMANCE PARAMETER

Model	Max. Flow	Max. Head	Power (W)		Current (A)		Voltage/ Frequency (V/Hz)
	(m3/h)	(m)	Min.	Max.	Min.	Max.	
RVP-HE-MG 25-8	6.5	8	8	130	0.08	0.9	230V 50/60Hz
RVP-HE-MG 25-10	7	10	10	185	0.1	1.25	
RVP-HE-MG 25-8N	6.5	8	10	130	0.08	0.9	
RVP-HE-MG 25-10N	7	10	10	185	0.1	1.25	
RVP-HE-MG 32-8	8	8	8	130	0.08	0.9	
RVP-HE-MG 32-10	10	10	10	185	0.1	1.25	
RVP-HE-MG 40-8F	8.5	8	8	130	0.08	0.9	
RVP-HE-MG 40-10F	10	10	10	185	0.1	1.25	

RVP

RVP-HE-IS (INSTANT)
HIGH EFFICIENCY CIRCULATION PUMPS

FEATURES & BENEFITS

Easy installation and operation
Equipped with Self Adapting mode AUTO (default setting), pump runs once the power is connected and adapts its performance according to actual system needs.
Equipped with external temperature control, timing and pipeline flushing function.

Low noise and high comfort
Noise index: ≤42dB(A)

Low energy consumption
Power consumption lowest to 5W

Multiple protection
With over-current protection

Quick release power plug
Start-up and stop the pump quickly.

APPLICATIONS

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

PRODUCT PHOTO AND CONTROL MODES

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

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

RVP

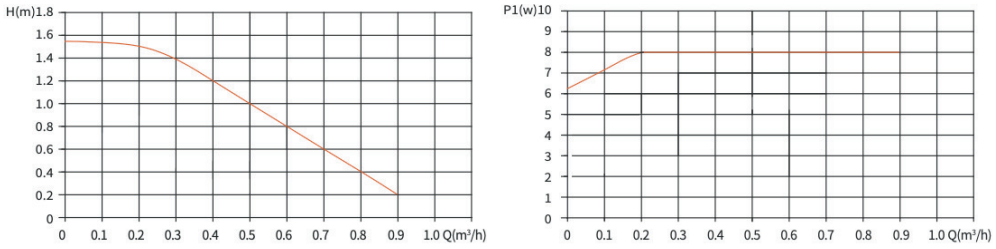
RVP-HE-IS (INSTANT)
HIGH EFFICIENCY CIRCULATION PUMPS

TECHNICAL PARAMETER

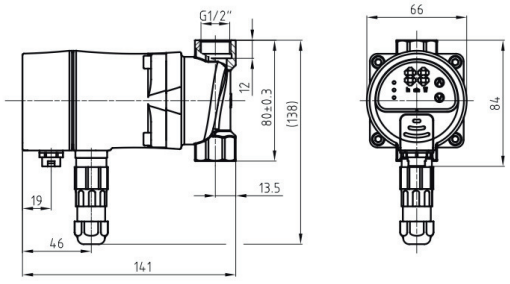
Power supply voltage	230V (+10% -15%) 50/60Hz,PE
IP class	IP42
Insulation class	F
Humidity (RH)	Max 95%
System pressure	1.0 MPa
Compliance	CE/ GS/ EMC/ LVD/RoHS/REACH
Ambient temperature	0°C~+40°C
Temperature class	TF95
Medium temperature	+2°C~+110°C(Glycol up to 50%)

RVP-HE-IS PERFORMANCE CURVE

CONSTANT SPEED MODE PERFORMANCE



INSTALLATION DRAWING



Model	Max. Flow	Power	Voltage/ Frequency	Material	Control Mode of Motor Pump					Package Size (mmxmmxmm)	Weight (kg)	
	(m3/h)	(W)	230V 50/60Hz	Copper	Constant speed running mode	Auto Operation Mode	Temperature Control Mode	Timing Mode	Flushing Mode	Inner Box	G.W.	N.W.
RVP-HE-IS	0.9	8	✓	✓	✓	✓	✓	✓	✓	180x115x150	1.2	1.0

RVP

RVP-HE-I(INSTANT)
HIGH EFFICIENCY CIRCULATION PUMPS

FEATURES & BENEFITS

Easy installation and operation
Pump runs once the power is connected and works with maximal rotation speed all the time.

Low noise and high comfort
Noise index: ≤42dB(A)

Low energy consumption
Power consumption lowest to 5W

Multiple protection
With over-current protection

Quick release power plug
Start-up and stop the pump quickly.

APPLICATIONS

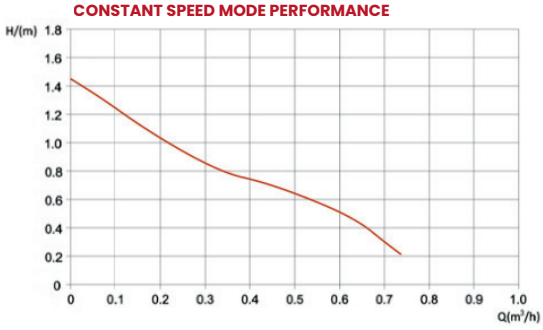
1. Domestic heating and hot water circulation systems
2. Hot water heater circulation systems

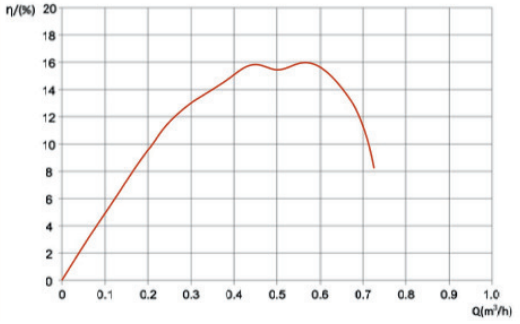
TECHNICAL PARAMETER

Power supply voltage	230V (+10%-15%) 50/60Hz,PE
IP class	IP44
Insulation class	H
Humidity (RH)	Max 95%
System pressure	1.0 MPa
Compliance	CE/ GS/ EMC/ LVD/RoHS/REACH
Ambient temperature	0°C~+40°C
Temperature class	TF110
Medium temperature	+2°C~+110°C(Glycol up to 50%)

PERFORMANCE CURVE

CONSTANT SPEED MODE PERFORMANCE

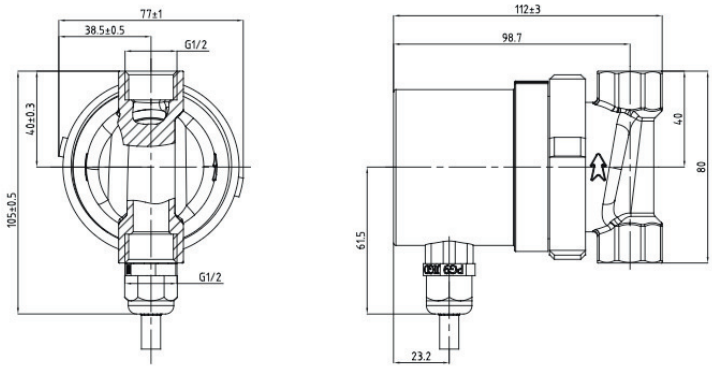




RVP

RVP-HE-I(INSTANT)
HIGH EFFICIENCY CIRCULATION PUMPS

INSTALLATION DRAWING



PERFORMANCE PARAMETER

Model	Max. Flow	Power	Voltage/ Frequency	Material	Control Mode of Motor Pump					Package Size (mmxmmxmm)	Weight (kg)	
	(m3/h)	(W)	230V 50/60Hz	Copper	Constant speed running mode	Auto Operation Mode	Temperature Control Mode	Timing Mode	Flushing Mode	Inner Box	G.W.	N.W.
RVP-HE-I	0.9	5	✓	✓	✓					180x115x150	1.2	1.0

RVP

RVP-HE-GH
HIGH EFFICIENCY CIRCULATION PUMPS

FEATURES & BENEFITS

1. Cold and warm dual, ultra-low no leakage, long life.
2. System adaptive, intelligent adjustment
3. Key shift, convenient operation, power and fault display, running state at a glance
4. Condensate water out of the sink, heat insulation board design, for the system fluid transport escort
5. Multiple protection, A3 explosion-proof, high reliability

APPLICATIONS

1. Heating pump dual supply system
2. Underfloor heating mixed water system
3. Heating pump hot water system
4. Heating ventilation and air conditioning
5. Boiler system
6. Other heating and cooling occasions. Suitable for refrigerants such as R290

PRODUCT PHOTO AND CONTROL MODES

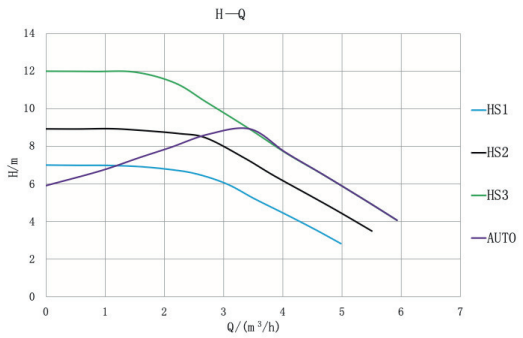
Lighting Area	Mode Description	Illustration
Auto	Auto Mode	○ ○ ○ ● I II III Auto
I	Constant speed low speed mode	● ○ ○ ○ I II III Auto
II	Constant speed medium speed mode	○ ● ○ ○ I II III Auto
III	Constant speed high speed mode	○ ○ ● ○ I II III Auto

TECHNICAL PARAMETER

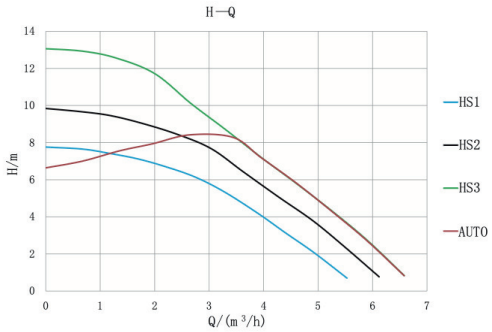
Rated voltage	230V (+10% -15%) 50/60Hz,PE
Protection level	IP44
Insulation level	H
Humidity	≤95%
Design pressure	1.OMPa
Product Certification	CCC
Ambient temperature:	-30°C ~ 55 °C
Temperature class	TF95
Medium temperature:	-20°C~95°C (Glycol up to 50%)

PERFORMACE CURVE

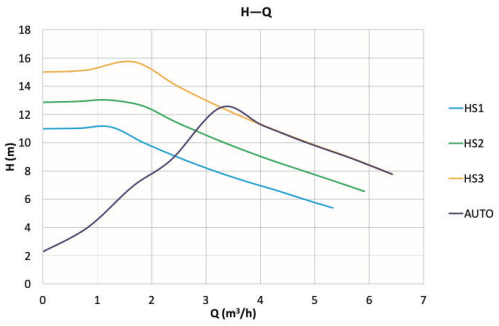
RVP-HE-GH 25-12 PERFORMANCE CURVE



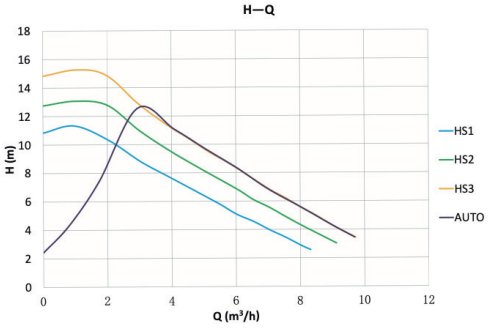
RVP-HE-GH 32-12 PERFORMANCE CURVE



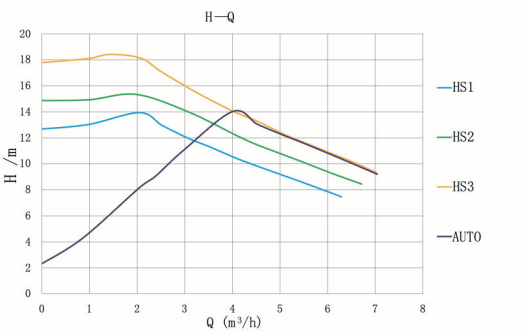
RVP-HE-GH 25-15 PERFORMANCE CURVE



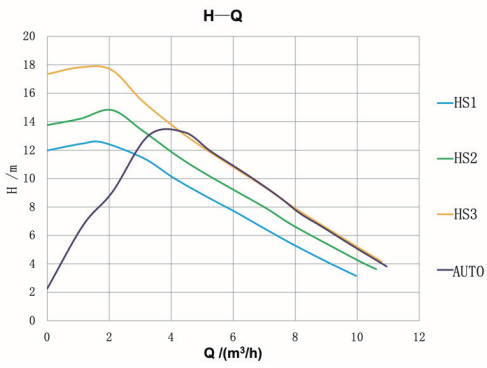
RVP-HE-GH 32-15 PERFORMANCE CURVE



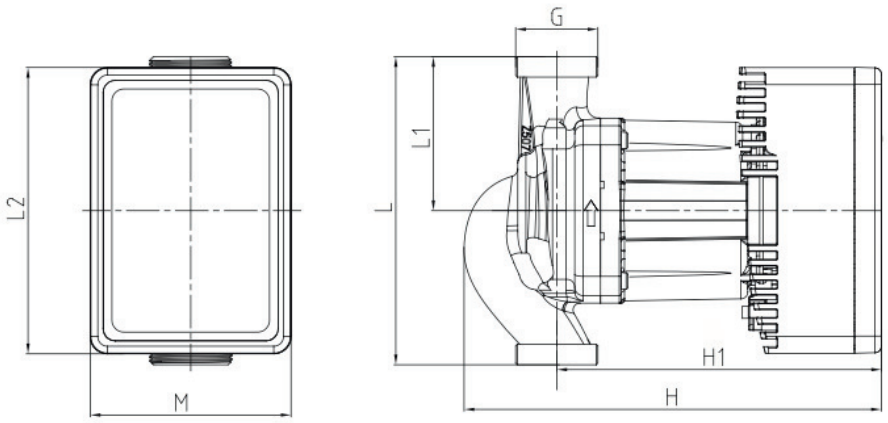
RVP-HE-GH 25-18 PERFORMANCE CURVE



RVP-HE-GH 32-18 PERFORMANCE CURVE



INSTALLATION DRAWING



Model	Dimensions (mm)							Package size (mmxmmxmm)	Weight (kg)	
	L	M	H	H1	L1	L2	G	Inner Box	G.W.	N.W.
RVP-HE-GH 25-12 130	130	90	168	126	65	130	1½"	155×150×230	3.8	2.8
RVP-HE-GH 25-12 180	180	90	168	128	90	130	1½"	200×162×200	4.0	3.0
RVP-HE-GH 25-15 180	180	117	244	190	90	167	1½"	210×180×290	5.5	5.3
RVP-HE-GH 25-18 180	180	117	244	190	90	167	1½"	210×180×290	5.5	5.3
RVP-HE-GH 32-12 180	180	90	169	133	90	130	2"	200×162×200	4.1	3.1
RVP-HE-GH 32-15 180	180	117	244	190	90	167	2"	210×180×290	5.6	5.4
RVP-HE-GH 32-18 180	180	117	244	190	90	167	2"	210×180×290	5.6	5.4

PERFORMANCE PARAMETER

Model	Max. Flow	Max. Head	Power (W)		Current (A)		Voltage/ Frequency (V/Hz)
	(m3/h)	(m)	Min.	Max.	Min.	Max.	
RVP-HE-GH 25-12	6.5	12	8	150	0.10	1.09	230V 50/60Hz
RVP-HE-GH 25-15	8.5	15	19	270	0.14	1.60	
RVP-HE-GH 25-18	9.5	18	60	350	0.44	2.50	
RVP-HE-GH 32-12	6.5	12	8	150	0.10	1.09	
RVP-HE-GH 32-15	10	15	19	270	0.16	1.70	
RVP-HE-GH 32-18	11	18	60	350	0.44	2.50	