SPERONI®

IN-LINE CIRCULATION PUMP

SCRV
50hz

Introduction

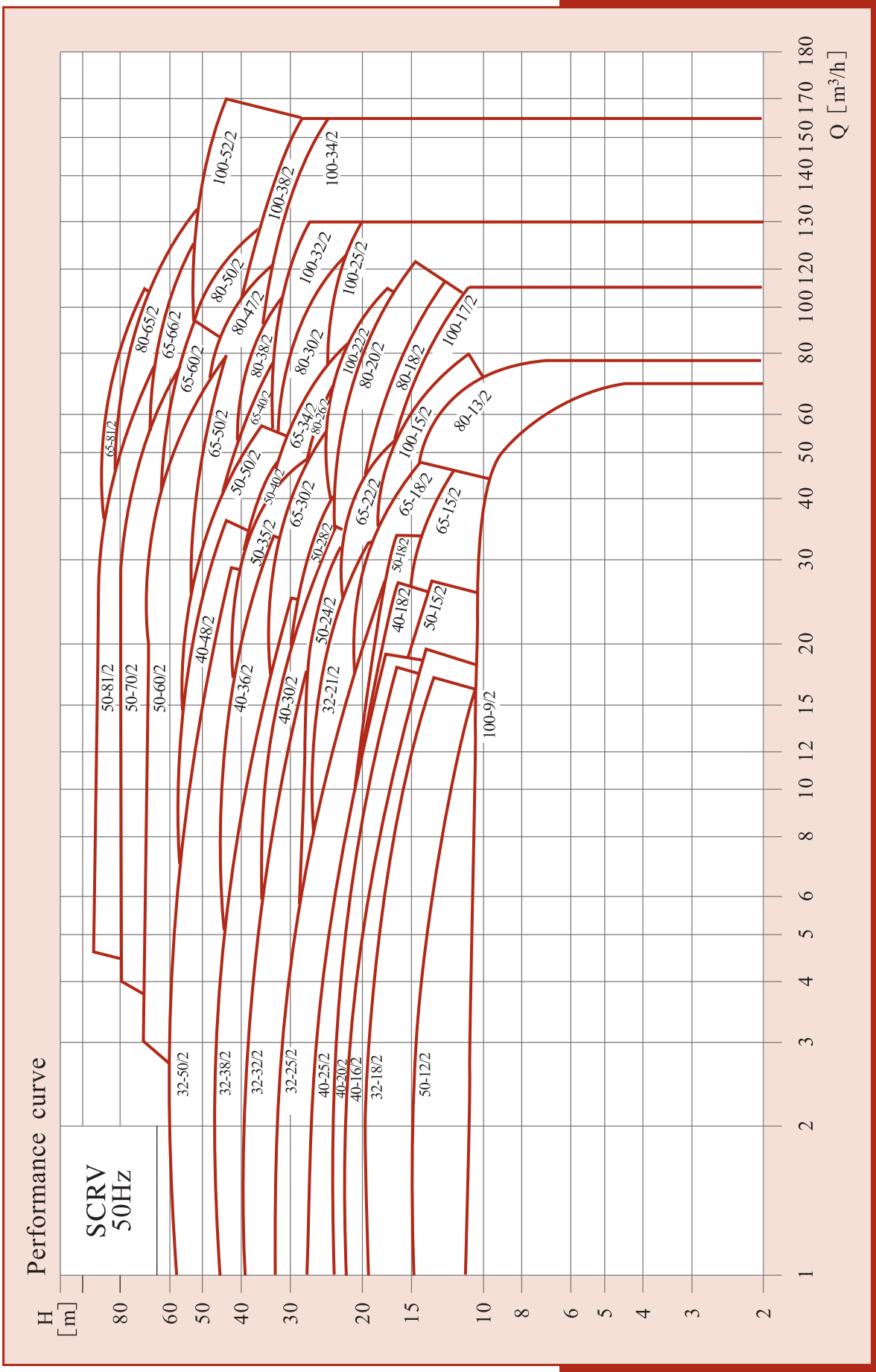
The type SCRV pumps are single stage in-line centrifugal pumps, equipped with standard motor and mechanical seal. Comparing with other pumps in similar structure, these pumps are less accessible to the impurity in the liquid.

Definition of model

SCRV 50-24/2

SCRV 50 - 24 / 2

- SCRV — In-line circulation pump
- 50 — DN of the inlet & outlet
- 24 — Rated head (m)
- 2 — Pole of the motor


Performance curve
SCRV
50Hz
H [m]
Q [m³/h]
1
2
3
4
5
6
8
10
12
15
20
30
40
50
60
80
100
120
130
140
150
170
180
2
3
4
5
6
8
10
15
20
30
40
50
60
80
32-50/2
32-38/2
32-32/2
32-25/2
40-25/2
40-20/2
40-16/2
32-18/2
50-12/2
40-48/2
40-36/2
40-30/2
32-21/2
50-81/2
50-70/2
50-60/2
50-35/2
50-30/2
50-24/2
40-18/2
50-18/2
50-15/2
100-9/2
65-81/2
65-66/2
65-60/2
65-50/2
50-50/2
50-40/2
65-34/2
80-26/2
65-30/2
50-28/2
65-22/2
65-18/2
65-15/2
80-65/2
80-50/2
80-47/2
80-38/2
80-40/2
80-30/2
100-22/2
80-20/2
80-18/2
100-15/2
80-13/2
100-52/2
100-38/2
100-34/2
100-32/2
100-25/2
100-17/2

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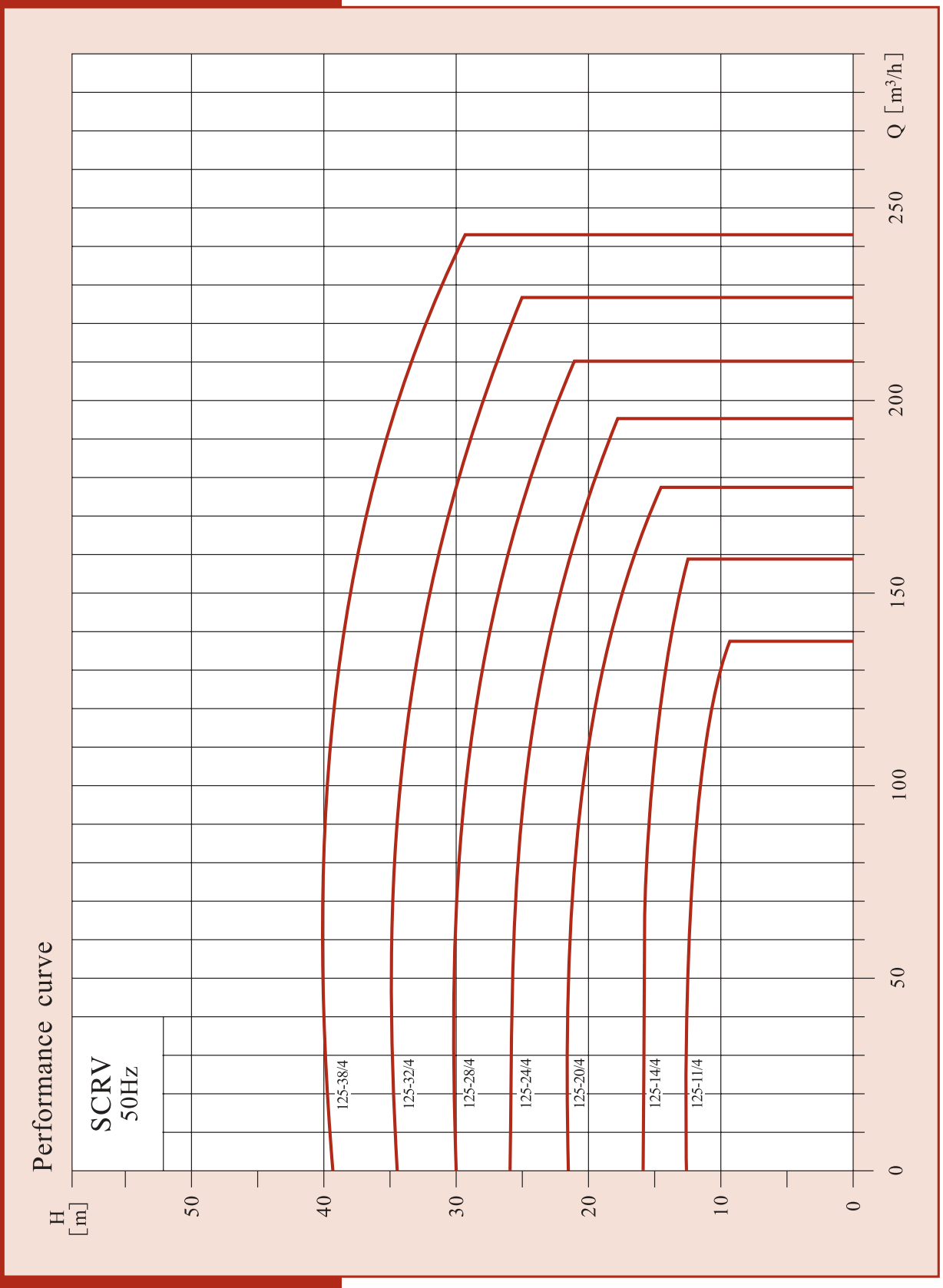
GENERAL DATA



Product scope

table 1

NO.	Model	Q [m^3/h]	H [m]	n [r/min]	[V]	
					1×220V	3×380V
					P2 [kW]	P2 [kW]
1	SCRV 32-18/2	8	18	2900	1.1	1.1
2	SCRV 32-21/2	12	21		1.5	1.5
3	SCRV 32-25/2	16	25		2.2	2.2
4	SCRV 32-32/2	16	32			3
5	SCRV 32-38/2	16	38			4
6	SCRV 32-50/2	16	50			5.5
7	SCRV 40-16/2	12.5	16		1.1	1.1
8	SCRV 40-20/2	12.5	20		1.5	1.5
9	SCRV 40-18/2	20	18		2.2	2.2
10	SCRV 40-25/2	20	25			3
11	SCRV 40-30/2	25	30			4
12	SCRV 40-36/2	25	36			5.5
13	SCRV 40-48/2	25	48			7.5
14	SCRV 50-12/2	16	12		1.1	1.1
15	SCRV 50-15/2	20	15		1.5	1.5
16	SCRV 50-18/2	25	18		2.2	2.2
17	SCRV 50-24/2	25	24			3
18	SCRV 50-28/2	30	28			4
19	SCRV 50-35/2	30	35			5.5
20	SCRV 50-40/2	35	40			7.5
21	SCRV 50-50/2	40	50			11
22	SCRV 50-60/2	50	60			15
23	SCRV 50-70/2	50	70			18.5
24	SCRV 50-81/2	50	81			22
25	SCRV 65-15/2	30	15		2.2	2.2
26	SCRV 65-18/2	35	18			3
27	SCRV 65-22/2	40	22			4
28	SCRV 65-30/2	40	30			5.5
29	SCRV 65-34/2	50	34			7.5
30	SCRV 65-40/2	55	40			11
31	SCRV 65-50/2	50	50			15
32	SCRV 65-60/2	60	60			18.5
33	SCRV 65-66/2	60	66			22
34	SCRV 65-81/2	70	81			30
35	SCRV 80-13/2	50	13			3

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GENERAL DATA

table 1

NO.	Model	Q [m^3/h]	H [m]	n [r/min]	[V]	
					1×220V	3×380V
					P2 [kW]	P2 [kW]
36	SCRV 80-18/2	50	18	2900		4
37	SCRV 80-20/2	60	20			5.5
38	SCRV 80-26/2	60	26			7.5
39	SCRV 80-30/2	80	30			11
40	SCRV 80-38/2	80	38			15
41	SCRV 80-47/2	80	47			18.5
42	SCRV 80-50/2	100	50			22
43	SCRV 80-65/2	100	65			30
44	SCRV 100-9/2	50	9			2.2
45	SCRV 100-15/2	60	15			4
46	SCRV 100-17/2	80	17			5.5
47	SCRV 100-22/2	80	22			7.5
48	SCRV 100-25/2	100	25			11
49	SCRV 100-32/2	100	32			15
50	SCRV 100-34/2	120	34			18.5
51	SCRV 100-38/2	120	38			22
52	SCRV 100-52/2	130	52			30
53	SCRV 125-11/4	120	11	1450		5.5
54	SCRV 125-14/4	120	14			7.5
55	SCRV 125-20/4	120	20			11
56	SCRV 125-24/4	120	24			15
57	SCRV 125-28/4	140	28			18.5
58	SCRV 125-32/4	150	32			22
59	SCRV 125-38/4	150	38			30

NPSH

To avoid the cavitations, and lessen the libration and noise, you are suggested to adopt NP-SH in table 2, to make sure that the pumps are under optimal operation condition. The data in the sheet are relative pressure(Bar), which can be read on manometer at the inlet side of the pumps.

table 2

NO.	Model	NPSH				
		20℃	60℃	90℃	110℃	120℃
1	SCRV 32-18/2	0.1	0.3	0.8	1.6	2.1
2	SCRV 32-21/2	0.1	0.3	0.8	1.6	2.1
3	SCRV 32-25/2	0.1	0.3	0.8	1.6	2.1
4	SCRV 32-32/2	0.3	0.5	1	1.8	2.3
5	SCRV 32-38/2	0.3	0.5	1	1.8	2.3
6	SCRV 32-50/2	0.7	0.9	1.4	2.2	2.7
7	SCRV 40-16/2	0.1	0.3	0.8	1.6	2.1
8	SCRV 40-20/2	0.1	0.3	0.8	1.6	2.1
9	SCRV 40-18/2	0.1	0.3	0.8	1.6	2.1
10	SCRV 40-25/2	0.1	0.3	0.8	1.6	2.1
11	SCRV 40-30/2	0.1	0.3	0.8	1.6	2.1
12	SCRV 40-36/2	0.1	0.3	0.8	1.6	2.1
13	SCRV 40-48/2	0.1	0.3	0.8	1.6	2.1
14	SCRV 50-12/2	0.1	0.3	0.8	1.6	2.1
15	SCRV 50-15/2	0.1	0.3	0.8	1.6	2.1
16	SCRV 50-18/2	0.1	0.3	0.8	1.6	2.1
17	SCRV 50-24/2	0.1	0.3	0.8	1.6	2.1
18	SCRV 50-28/2	0.1	0.3	0.8	1.6	2.1
19	SCRV 50-35/2	0.1	0.3	0.8	1.6	2.1
20	SCRV 50-40/2	0.1	0.3	0.8	1.6	2.1
21	SCRV 50-50/2	0.1	0.3	0.8	1.6	2.1
22	SCRV 50-60/2	0.3	0.5	1	1.8	2.3
23	SCRV 50-70/2	0.4	0.6	1.1	1.9	2.4
24	SCRV 50-81/2	0.4	0.6	1.1	1.9	2.4
25	SCRV 65-15/2	0.1	0.3	0.8	1.6	2.1
26	SCRV 65-18/2	0.1	0.3	0.8	1.6	2.1
27	SCRV 65-22/2	0.1	0.3	0.8	1.6	2.1
28	SCRV 65-30/2	0.1	0.3	0.8	1.6	2.1
29	SCRV 65-34/2	0.1	0.3	0.8	1.6	2.1
30	SCRV 65-40/2	0.1	0.3	0.8	1.6	2.1

table 2

NO.	Model	NPSH				
		20℃	60℃	90℃	110℃	120℃
31	SCRV 65-50/2	0.1	0.3	0.8	1.6	2.1
32	SCRV 65-60/2	0.1	0.3	0.8	1.6	2.1
33	SCRV 65-66/2	0.1	0.3	0.8	1.6	2.1
34	SCRV 65-81/2	0.1	0.3	0.8	1.6	2.1
35	SCRV 80-13/2	0.1	0.3	0.8	1.6	2.1
36	SCRV 80-18/2	0.1	0.3	0.8	1.6	2.1
37	SCRV 80-20/2	0.1	0.3	0.8	1.6	2.1
38	SCRV 80-26/2	0.1	0.3	0.8	1.6	2.1
39	SCRV 80-30/2	0.1	0.3	0.8	1.6	2.1
40	SCRV 80-38/2	0.1	0.3	0.8	1.6	2.1
41	SCRV 80-47/2	0.1	0.3	0.8	1.6	2.1
42	SCRV 80-50/2	0.4	0.6	1.1	1.9	2.4
43	SCRV 80-65/2	0.4	0.6	1.1	1.9	2.4
44	SCRV 100-9/2	0.1	0.3	0.8	1.6	2.1
45	SCRV 100-15/2	0.1	0.3	0.8	1.6	2.1
46	SCRV 100-17/2	0.1	0.3	0.8	1.6	2.1
47	SCRV 100-22/2	0.1	0.3	0.8	1.6	2.1
48	SCRV 100-25/2	0.1	0.3	0.8	1.6	2.1
49	SCRV 100-32/2	0.1	0.3	0.8	1.6	2.1
50	SCRV 100-34/2	0.2	0.4	0.9	1.7	2.2
51	SCRV 100-38/2	0.3	0.5	1	1.8	2.3
52	SCRV 100-52/2	0.3	0.5	1	1.8	2.3
53	SCRV 125-11/4	0.1	0.3	0.8	1.6	2.1
54	SCRV 125-14/4	0.1	0.3	0.8	1.6	2.1
55	SCRV 125-20/4	0.1	0.3	0.8	1.6	2.1
56	SCRV 125-24/4	0.1	0.3	0.8	1.6	2.1
57	SCRV 125-28/4	0.1	0.3	0.8	1.6	2.1
58	SCRV 125-32/4	0.1	0.3	0.8	1.6	2.1
59	SCRV 125-38/4	0.1	0.3	0.8	1.6	2.1

The following formula can be used for calculation of minimum inlet pressure:

H= Pb×10.2－NPSH－Hf－Hv－Hs

H— Maximum suction head (m)

Pb—Atmosphere pressure (bar)

In a closed system, Pb means system pressure(bar)

NPSH—Net positive suction head (m)

It can read out from the point of possible max. flow rat shown on NPSH curve.

Hf—Pipeline loss at the inlet (m)

It is in accordance with pipeline possible max. flow.

Hv—Steam pressure (m)

It depends on liquid temperature and steam pressure value.

Hs—Safety margin (m)

Minimum 0.5m delivery head.

If the calculated result H is negative,the pump may run under the max.suction head H. In case the calculated result H is negative, a delivery head of min. inlet pressure is necessary.

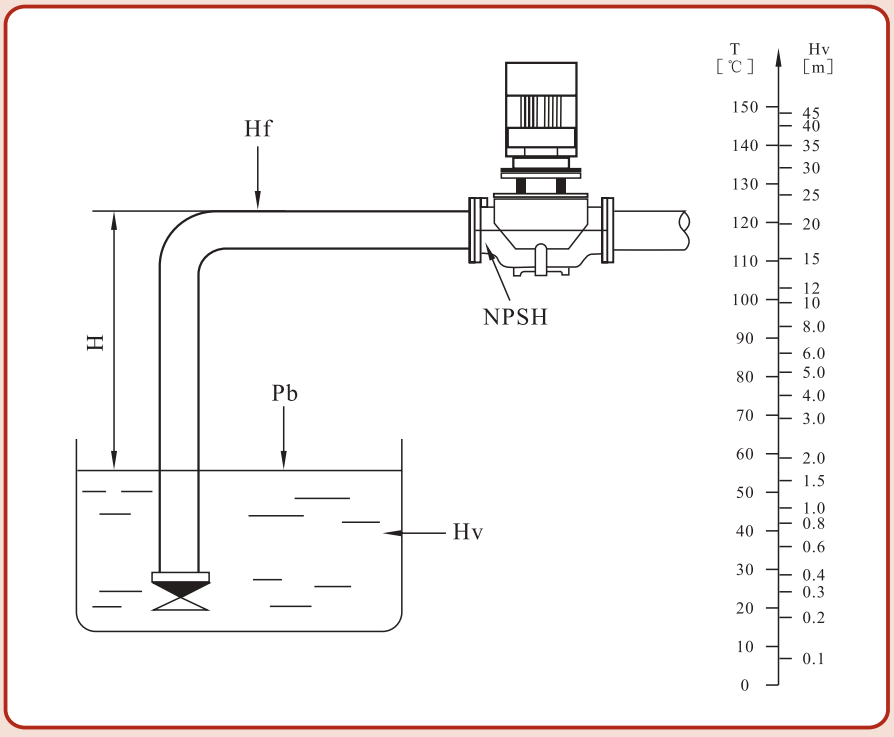
Note: Normally, the above calculation will not be done. H is calculated in the following conditions: 1、The liquid temperature is comparatively higher;

2、Liquid flow exceeds rated value;

3、Suction head is comparatively large or inlet pipeline long;

4、System pressure is too low;

5、Bad inlet condition.



Application

The pumps are applicable for clean, attenuate, non-corrosive, non-flammable, and non-explosive liquid which shall not contain any solid grain and fibre that might damage the pump mechanically or chemically.

The detailed requirements on the liquid is in Table 3. If the liquid viscosity or density is beyond the required level, the performance curves will descend and energy consumption will be increased.

Liquid temperature:-15℃～120℃

Max. Pressure: Normal type:PN12 bar ; special type: PN 16 bar.

Table 3

Liquid		Max. temperature	Liquid requirement	Application
Water	Underground Water	＜90℃		The pumps are applicable for urban water supply, industrial water, cooling system, and cold & hot water for regional heat supply system: 1) main circulation pump 2) mixed circuit pump 3) boiler mixed-flow pump 4) gas-fired freezer pump 5) filter pump 6) constant pressure system pump 7) urban hot water circulation
	Water supply for boiler	＜120℃		
	Water supply for regions	＜120℃		
	Condensate water	＜90℃		
	Soft water	-15℃～120℃		
	Alkalescent water		Weak alkalescence	
	Sea water		Weak alkalescence	
	Cooling or lubricant for mechanical process		Addictive and little impurity may impair the shaft seal	
Coolig liquid	Hydro carbon antifreeze	＜50℃	Tiny quantity rime may impair the shaft seal	The pumps can be used in chemical industry, pharmaceutical industry, food processing and so on. 1) liquid feeding 2) system pressure boosting 3) mixed circuit circulation pump
	Alcoholised compound	＜50℃		
	30% brine (NaC1, CaC12 solution)	＜50℃	Tiny quantity rime may impair the shaft seal	
Organic solvent	Diesel oil	≤60℃	Imflammable liquid	
	Coal oil	≤60℃		
oxidant	Hydrogen peroxide	≤60℃ 20%		

Installation requirements

Some detailed requirement of installation is as below, The concrete request is as follows:

1、If the system pipeline can support the pumps, pumps with 2.2kW motor power(including 2.2kW) can be hung in line; if the system pipeline cannot support the pumps or the pump motor power is higher than 2.2kW, the pumps must be installed in brackets or base.

2、Pumps with motor power lower than 2.2kW(including 2.2kW) can be installed horizontally or vertically to the pipeline. Pumps with motor power higher than 2.2kW, can only be installed vertically to the pipeline (see 2-A).

3、The pump installation shall not allow the system pipeline tensile force to be transferred to the pump body.

4、The pump should be installed in the environment with sufficient cooling and the cooling air shall not be above 40℃.

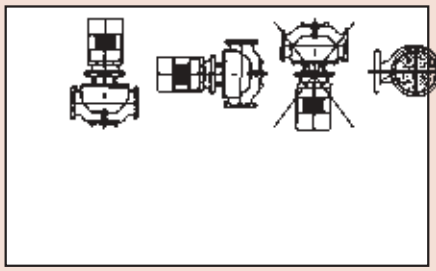
5、If the pumps are installed outdoors, there should be covers to protect electric components from water.

6、For the convenience of maintenance, there should be enough space above and below the pumps. Minimum 300mm shall be kept for pumps with motor power lower than 5.5kW, and minimum 1000mm for pumps with motor power higher than 5.5kW (including 5.5kW). (See 2-B)

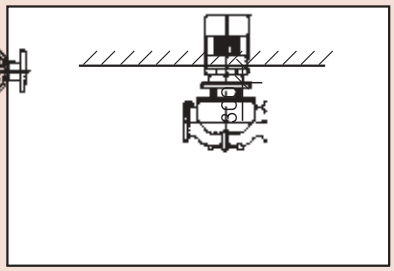
7、To prevent noises and vibration and ensure the best operation, anti-vibration base shall be used in installation. Generally, cement base with the weight equal or bigger than 1.5× pump weight shall be adopted. (See 2-c).

8、Pumps with bases or without bases are both available for customers requirements. (See appendix 1 for base dimensions).

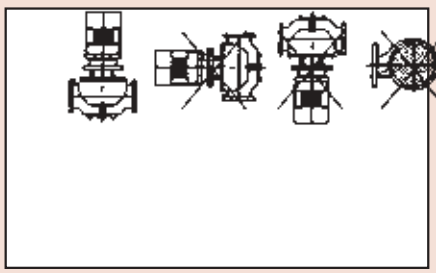
For power ≤ 2.2kW



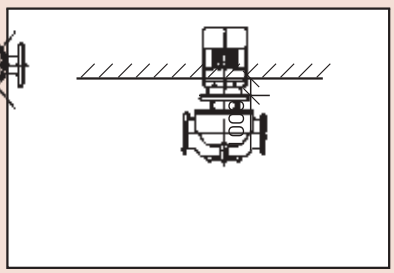
For power < 5.5kW

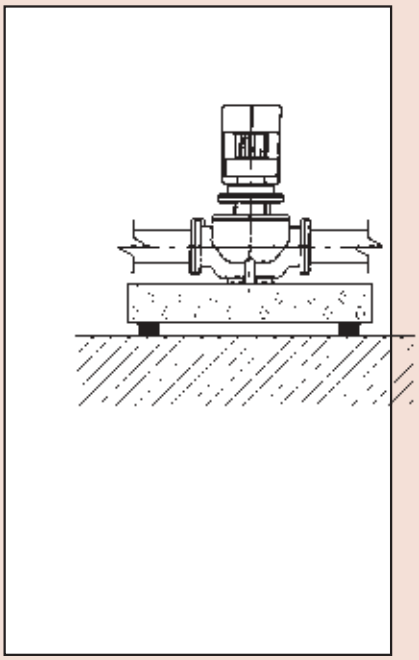


For power > 2.2kW

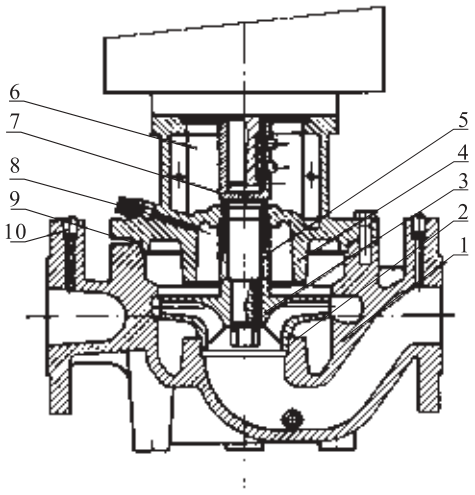


For power ≥ 5.5kW





2-A 2-B 2-C



sketch map of structure

Product structure and component material

Motor and pumps can be separated, Standard motors and mechanical seals are provided. The motors are entirely close and air cooling type standard motors. Its major dimensions are in conformity with GB standard.

The pump body is equal to a section of pipeline. While in maintenance, blind flange can be used to seal the pump cover which enable the normal operation of pumps.

Theflange connection dimension are in conformity with the related provisions PN16 in GB/T17241.6 or ISO7005-2/DIN 2501.

Pump body is installed with replaceable wear ring which is able to minimize the leakage to the lowest amount.

The inlet and outlet diameters are inconformity with related standard dimensions.

The bracket is to connect motor and the pump. “O” ring or Flat rubber circle is used to seal the bracket and the pump.

See Table 4 for component materials.

Table 4

NO.	Parts	Material	Surface treatment
1	Pump body	HT200	Bracket and pump body have a electrophoresis painting tr-eatment as below: 1、Alkaline cleaning 2、Zinc phosphate coating treatment. 3、electrophoresis 4、High temperature rigidif-ication
2	Ring	HT200	
3	Impeller	HT200/0Cr18Ni9	
4	Bracket	HT200	
5	Mechanical seal	Carbon/Silicon Carbide	
6	Protect cover	0Cr18Ni9	
7	Shaft	2Cr13	
8	Air release bolt	0Cr18Ni9	
9	“O” Ring	EPDM	
10	Plug	0Cr18Ni9	

Curves:

Follwing is some explanation for the curve:

1、Curve tolerance is in conformity with ISO9906, Appendix A:

2、Motors used in tests are JB/T8680. 1-1998 "Y2 series 3-phase asynchronous motor".

3、All curves are based on the measured value of motor 3×380V, under the constant speed of 2900rpm or1450rpm.

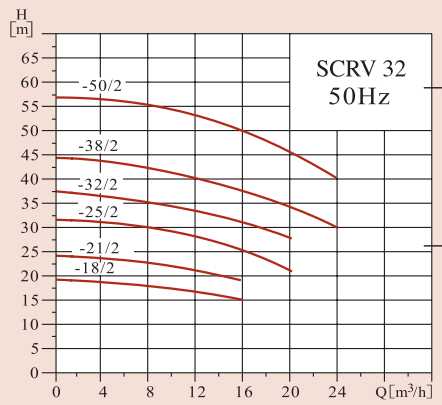
4、Test methods are in conformity with the stipulation about centrifugal pump, mixed-flow Pump, axial pump and vortex pump test method in GB/T3216-1989.

5、The test medium is clear 20℃ water without any solid impurity and air.

6、Pumps should not work if the flow is beyond the minimum or the maximum flow in the curves.

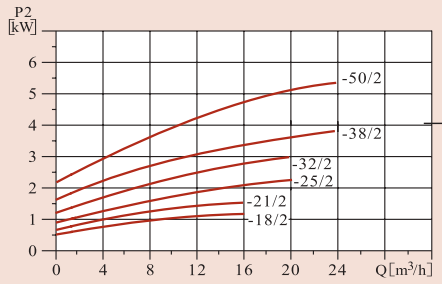
7、The motor performance shall be adjusted if the viscosity or density of medium is different from water.

Curves instruction

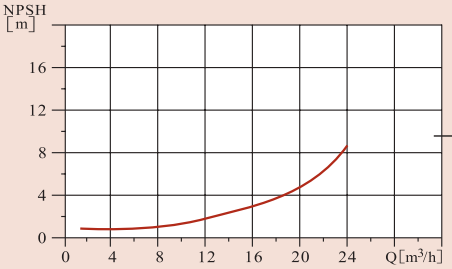


→ Pump model and motor frequency

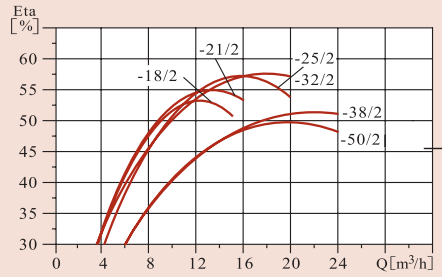
→ Q-H curve



→ Input power curve of pump



→ NPSH curve



→ Efficiency curve

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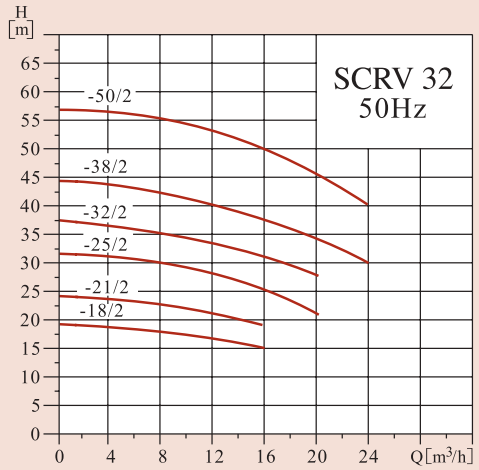
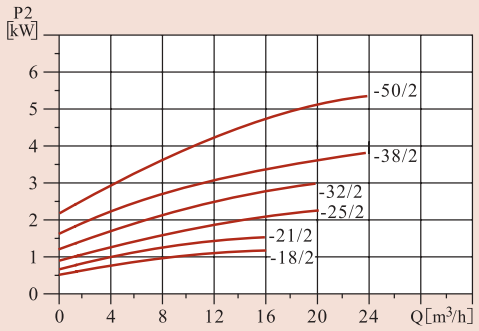
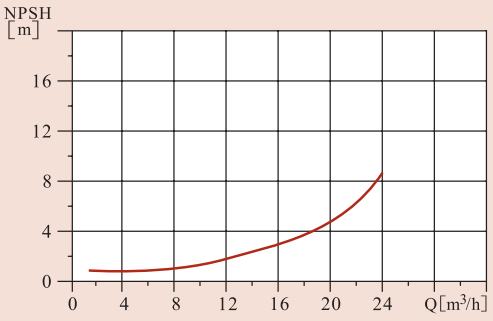
TECHNICAL DATA

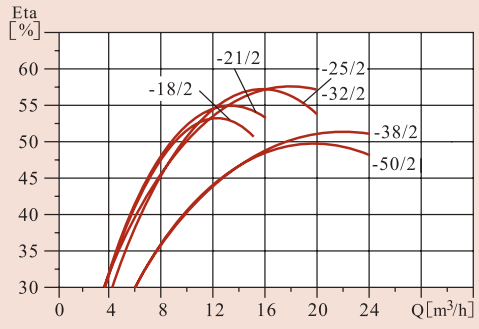
SCRV 32

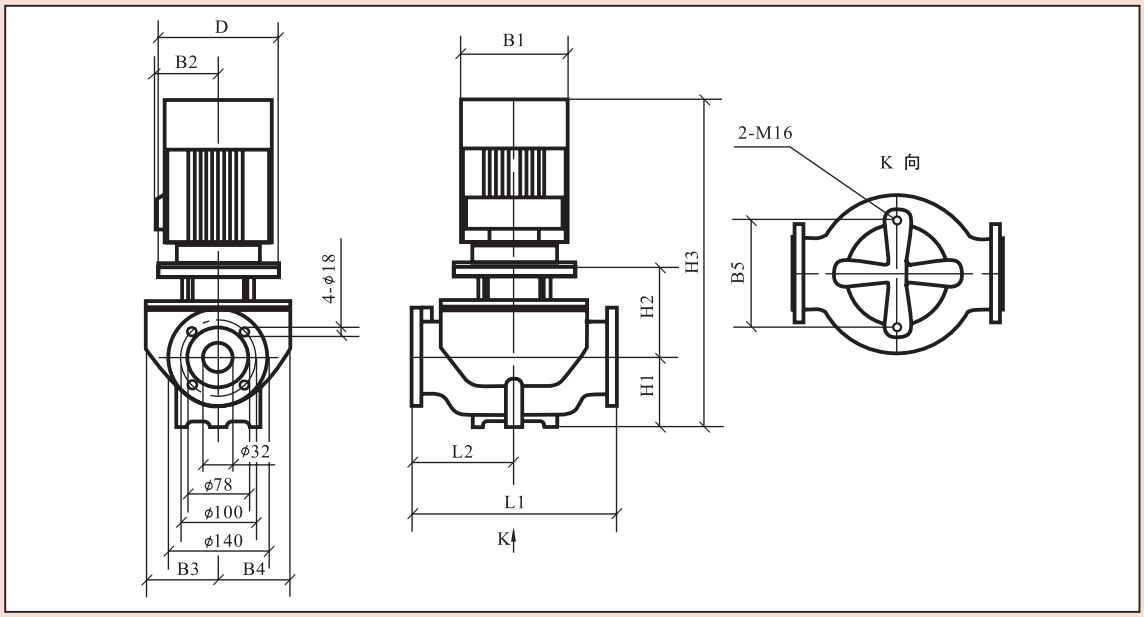
SCRV 32-**/2











Size, weight, and volume for transportation

Model	PN	[mm]											[kg]	[m³]
		D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2		
SCRV 32-18/2	16	120	170	142	125	117	144	100	154	535	340	170	50	56	0.083
SCRV 32-21/2	16	140	190	155	125	117	144	100	154	535	340	170	56	62	0.086
SCRV 32-25/2	16	140	190	155	125	117	144	100	154	575	340	170	59	65	0.090
SCRV 32-32/2	16	160	197	165	125	117	144	100	183	655	340	170	68	74	0.096
SCRV 32-38/2	16	160	230	188	144	144	144	100	184	656	440	220	79	85	0.133
SCRV 32-50/2	16	200	260	208	144	144	144	100	223	714	440	220	104	119	0.144

Performance table

Model	(kW)	Q(m³/h)	4	8	12	16	20	24
SCRV 32-18/2	1.1	H (m)	19	18	17	16		
SCRV 32-21/2	1.5		24	22	21	17		
SCRV 32-25/2	2.2		31	30	28	25	21	
SCRV 32-32/2	3		36	35	34	32	29	
SCRV 32-38/2	4		44	42	40	38	34	30
SCRV 32-50/2	5.5		56	55	53	50	45	40

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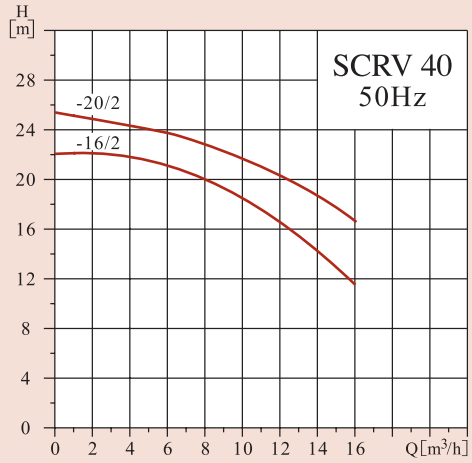
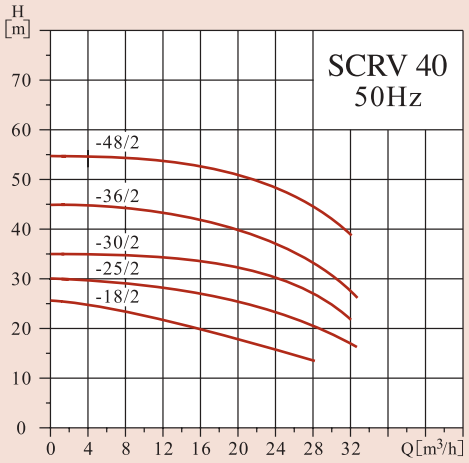
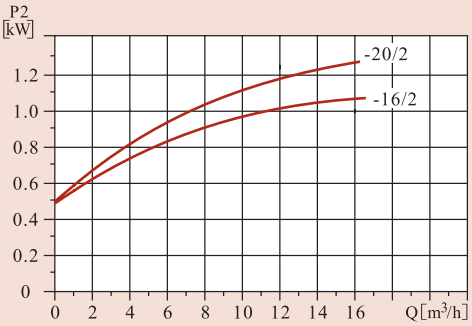
TECHNICAL DATA

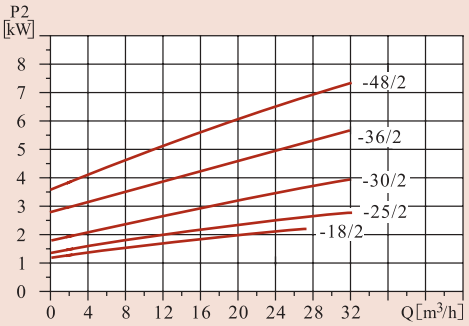
SCRV 40

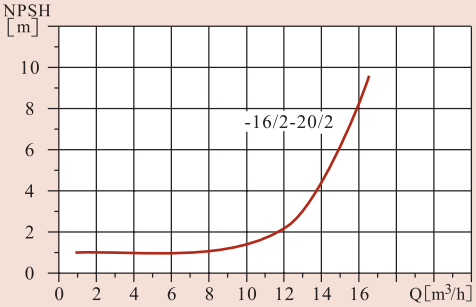
SCRV 40-**/2

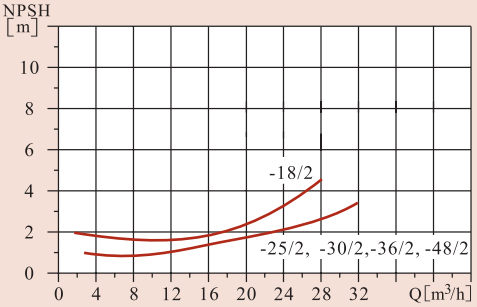


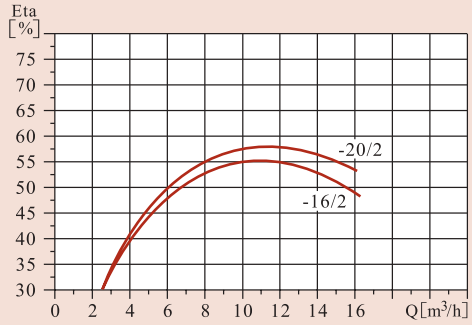


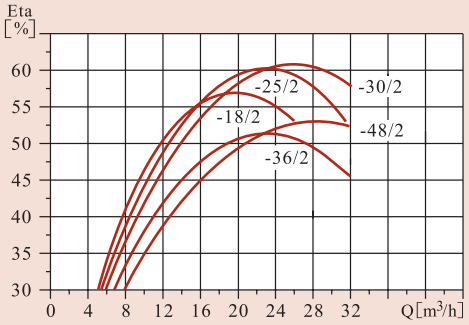


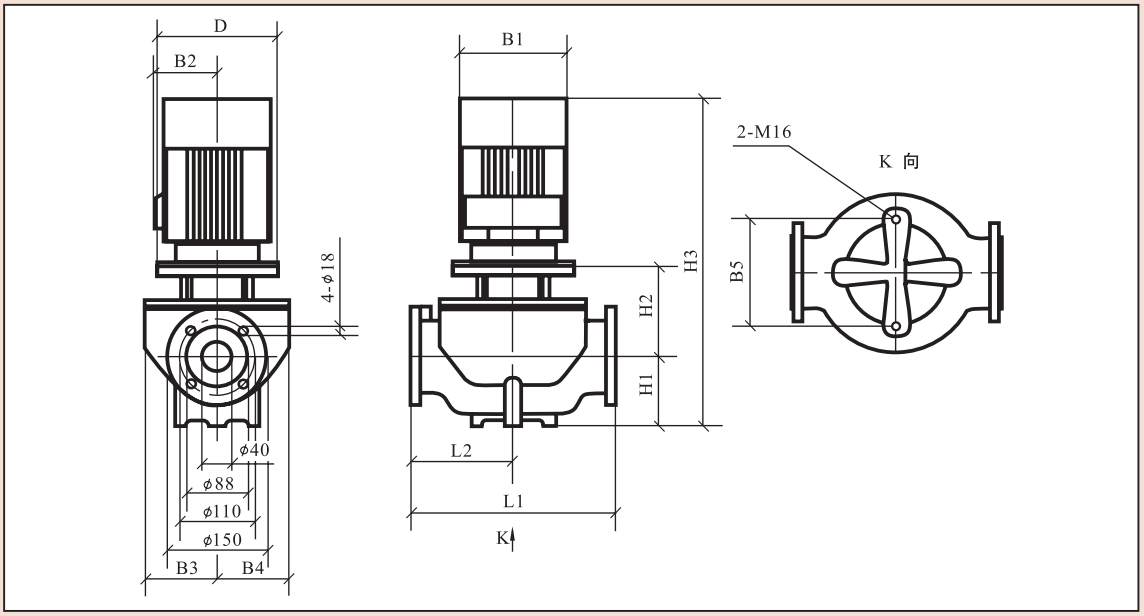












Size, weight, and volume for transportation

Model	PN	[mm]										[kg]		[m³]
		D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2			
SCRV 40-16/2	16	120	170	142	97	96	120	68	140	455	320	160	40	46	0.064
SCRV 40-20/2	16	140	190	155	97	96	120	68	150	508	320	160	46	52	0.068
SCRV 40-18/2	16	140	190	155	110	95	144	100	173	563	340	170	53	59	0.084
SCRV 40-25/2	16	160	197	165	127	115	144	100	185	600	340	170	70	76	0.100
SCRV 40-30/2	16	160	230	188	127	115	144	100	185	620	340	170	77	83	0.109
SCRV 40-36/2	16	200	260	208	138	125	144	110	215	755	440	220	106	121	0.148
SCRV 40-48/2	16	200	260	208	138	125	144	110	215	755	440	220	110	125	0.148

Performance table

Model	(kW)	Q(m³/h)	4	8	12 .5	16	20	25	28	32
SCRV 40-16/2	1.1	H (m)	22	20	16	11				
SCRV 40-20/2	1.5		25	23	20	15				
SCRV 40-18/2	2.2		24	23	21	20	18	17	14	
SCRV 40-25/2	3		30	29	28	27	25	24	21	18
SCRV 40-30/2	4		35	34	33	32	31	30	27	21
SCRV 40-36/2	5.5		45	42	41	40	38	36	30	26
SCRV 40-48/2	7.5		55	54	53	52	50	48	45	39

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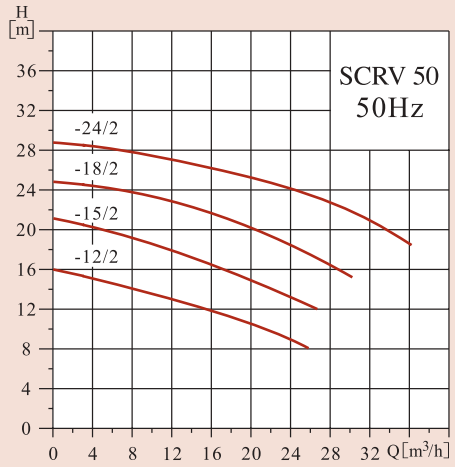
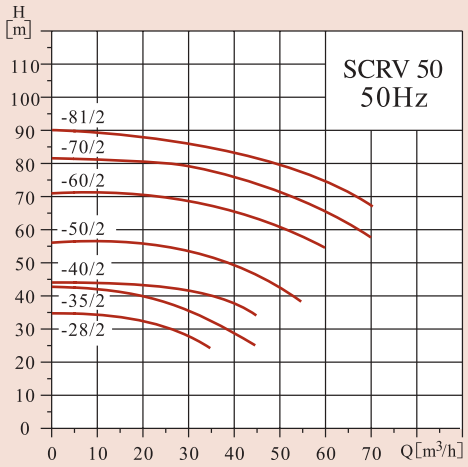
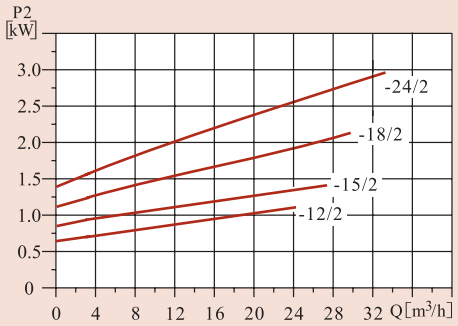
TECHNICAL DATA

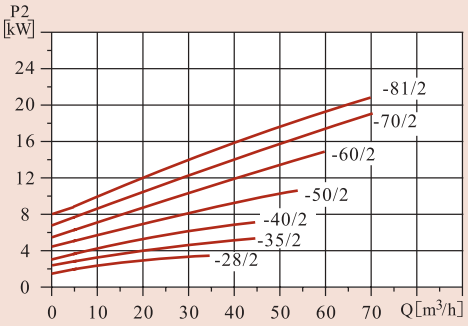
SCRV 50

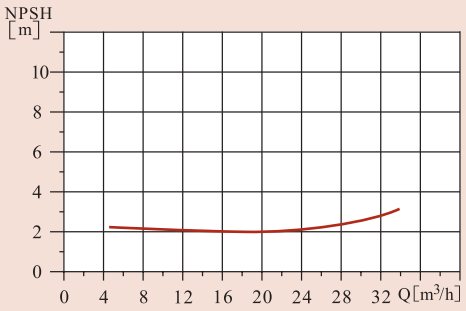
SCRV 50-**/2

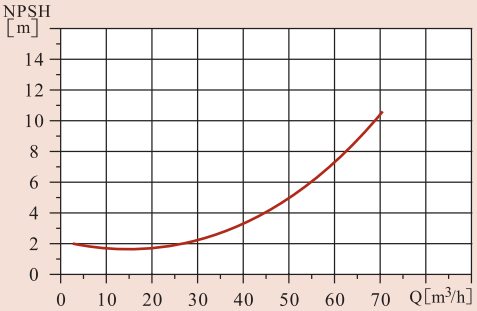


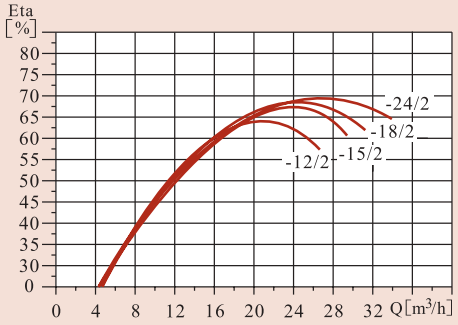


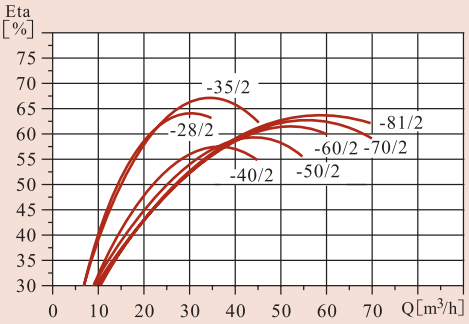


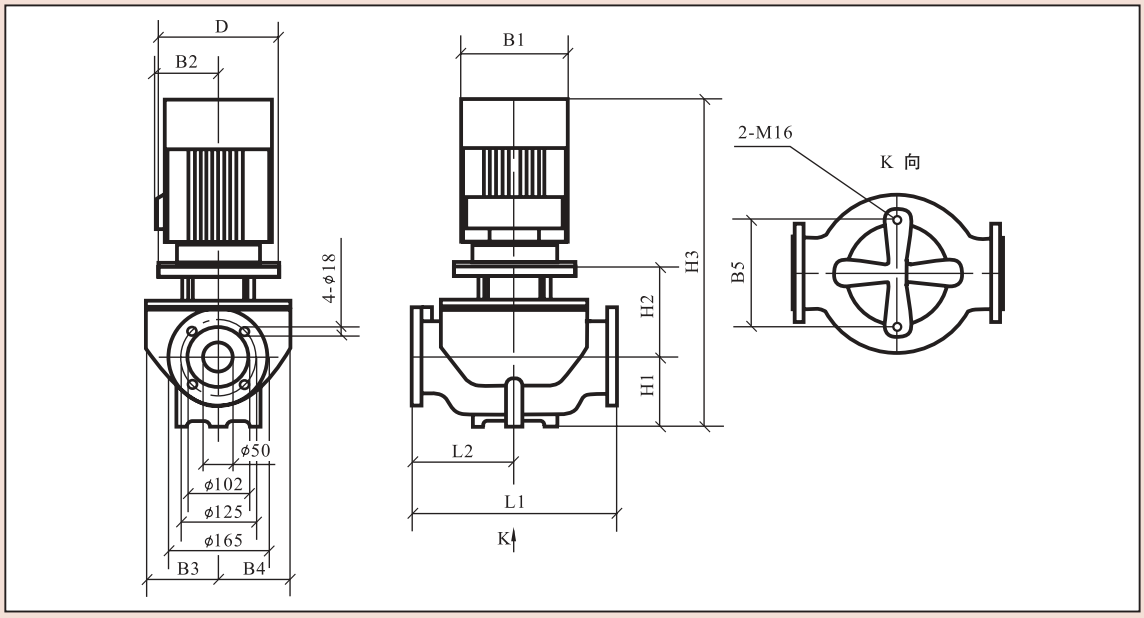












Size, weight, and volume for transportation

Model	PN	[mm]											[kg]		[m³]
		D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2			
SCRV 50-12/2	16	120	170	142	117	115	144	115	155	560	340	170	56	62	0.084
SCRV 50-15/2	16	140	190	155	117	115	144	115	155	560	340	170	62	68	0.087
SCRV 50-18/2	16	140	190	155	117	115	144	115	155	560	340	170	65	71	0.091
SCRV 50-24/2	16	160	197	165	117	115	144	115	175	605	340	170	74	80	0.098
SCRV 50-28/2	16	160	230	188	129	115	144	115	175	625	340	170	79	85	0.110
SCRV 50-35/2	16	200	260	208	129	115	144	115	196	471	340	170	103	118	0.126
SCRV 50-40/2	16	200	260	208	171	158	144	115	188	733	440	220	118	133	0.159
SCRV 50-50/2	16	350	330	255	171	158	144	115	252	817	440	220	181	199	0.223
SCRV 50-60/2	16	350	330	255	171	158	144	115	252	817	440	220	191	209	0.231
SCRV 50-70/2	16	350	330	255	171	158	144	115	252	917	440	220	209	227	0.241
SCRV 50-81/2	16	350	360	285	171	158	144	115	252	957	440	220	245	267	0.278

Performance table

Model	（kW）	Q(m³/h)	5	10	15	16	20	25	30	35	40	45	50	55	60	70
SCRV 50-12/2	1.1	H (m)	15	13	12.5	12	10	8								
SCRV 50-15/2	1.5		20	18	16		15	13								
SCRV 50-18/2	2.2		24	23	22		20	18	15							
SCRV 50-24/2	3		28	27	26		25	24	22	18						
SCRV 50-28/2	4		35	33	32		31	30	28	24						
SCRV 50-35/2	5.5		40	39	38		37	36	35	32	30	26				
SCRV 50-40/2	7.5		43		42			41		40	37	35				
SCRV 50-50/2	11		56	55			54		52		50		41	38		
SCRV 50-60/2	15		70	69			68		66		64		60		58	
SCRV 50-70/2	18.5		81	80			79		77		75		70		65	58
SCRV 50-81/2	22		90	89			88		86		83		81		75	68

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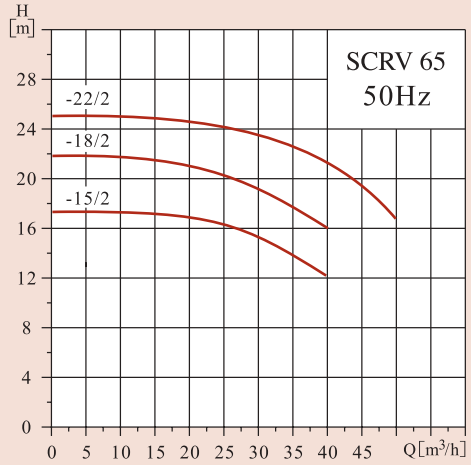
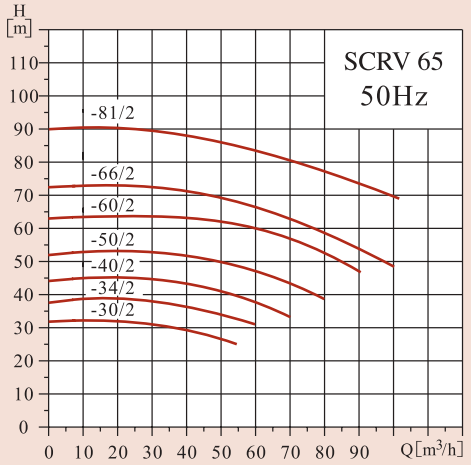
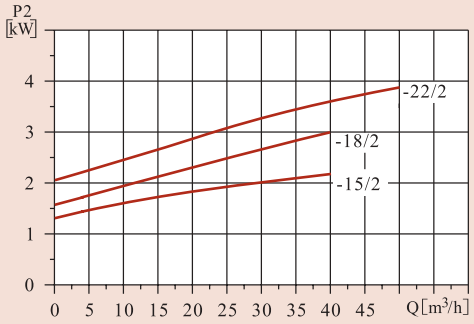
TECHNICAL DATA

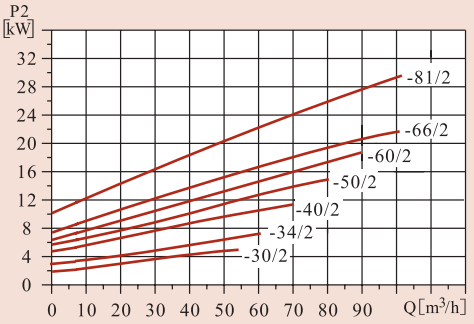
SCRV 65

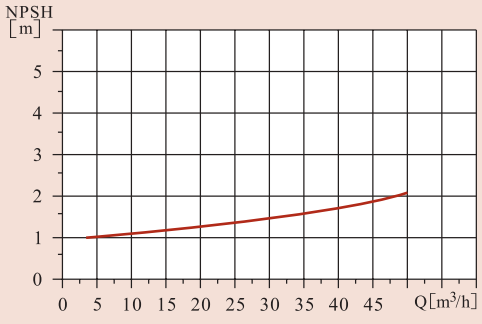
SCRV 65-**/2

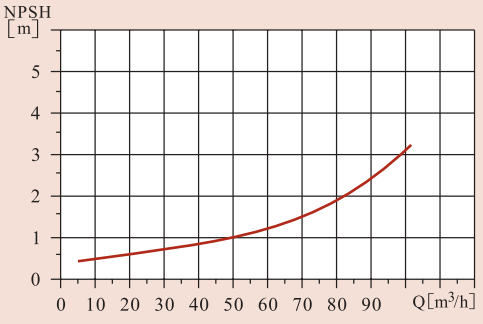


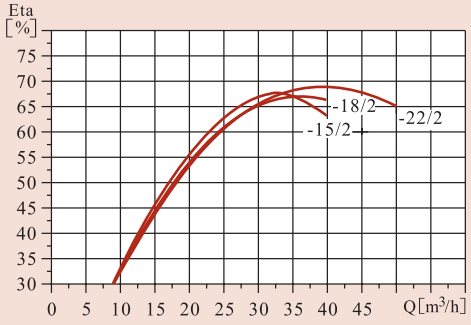


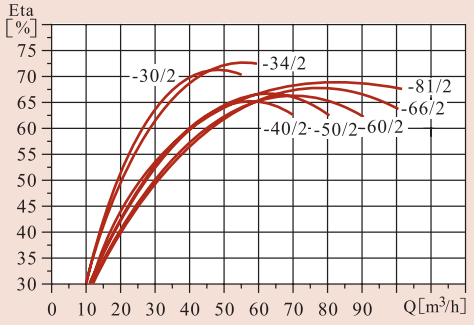


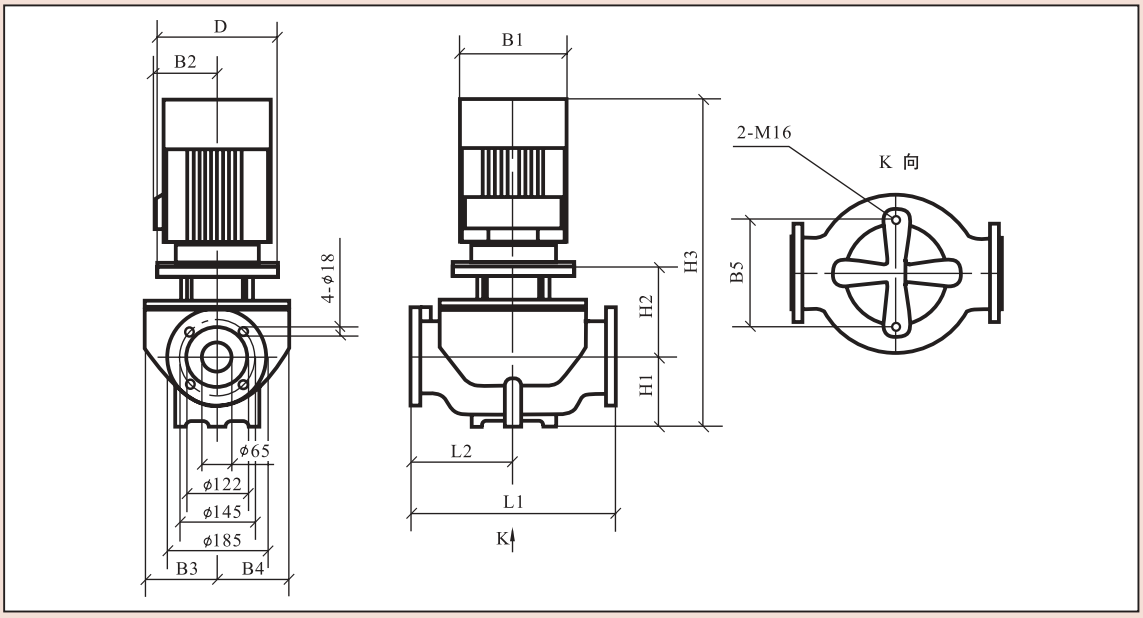












Size, weight, and volume for transportation

Model	PN	[mm]											[kg]		[m³]
		D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2			
SCRV 65-15/2	16	140	190	155	142	124	144	105	176	526	360	180	65	71	0.108
SCRV 65-18/2	16	160	197	165	142	124	144	105	192	612	360	180	74	80	0.115
SCRV 65-22/2	16	160	230	188	142	124	144	105	192	632	360	180	81	87	0.119
SCRV 65-30/2	16	200	260	208	142	124	144	105	212	747	360	180	105	120	0.127
SCRV 65-34/2	16	200	260	208	142	124	144	105	212	747	360	180	108	123	0.127
SCRV 65-40/2	16	350	330	255	179	167	144	125	263	878	475	238	183	201	0.236
SCRV 65-50/2	16	350	330	255	179	167	144	125	263	878	475	238	193	211	0.244
SCRV 65-60/2	16	350	330	255	179	167	144	125	263	938	475	238	210	228	0.254
SCRV 65-66/2	16	350	330	255	179	167	144	125	263	978	475	238	248	270	0.296
SCRV 65-81/2	16	400	400	310	179	167	144	125	263	1048	475	238	309	331	0.385

Performance table

Model	（kW）	Q(m³/h)	5	10	15	20	25	30	35	40	45	50	55	60	70	80	90	100
SCRV 65-15/2	2.2		18.5	18	17.5	17	16	15	13	12								
SCRV 65-18/2	3		22	21.5	21	20.5	20	19	18	16								
SCRV 65-22/2	4		25.5	25	24.5	24	23.5	23	22.5	22	19	17						
SCRV 65-30/2	5.5		33	32.5		32		31		30		26	25					
SCRV 65-34/2	7.5	H (m)	39	38.5		38		37		36		34		31				
SCRV 65-40/2	11		44	43.5		43		42		41.5		40.5	40	38	33			
SCRV 65-50/2	15		54	53.5		53		52		51		50		48	45	40		
SCRV 65-60/2	18.5		65	64.5		64		63		62		61		60	57	52	47	
SCRV 65-66/2	22		71	70.5		70		69.5		68		67		66	65	59	55	49
SCRV 65-81/2	30		90	89		88		86		85		83		82	81	80	75	70

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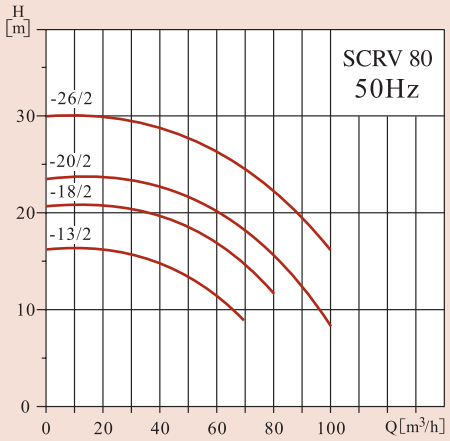
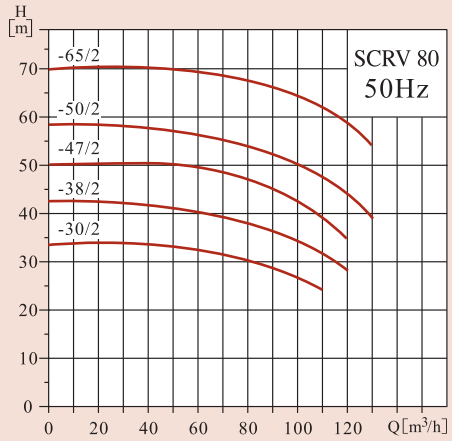
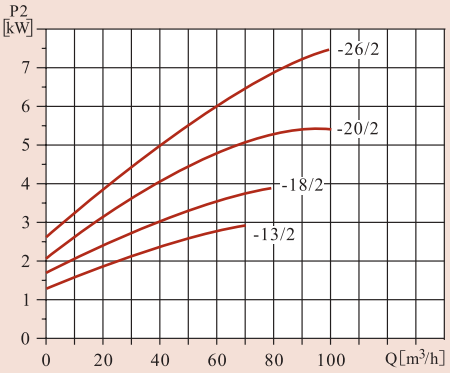
TECHNICAL DATA

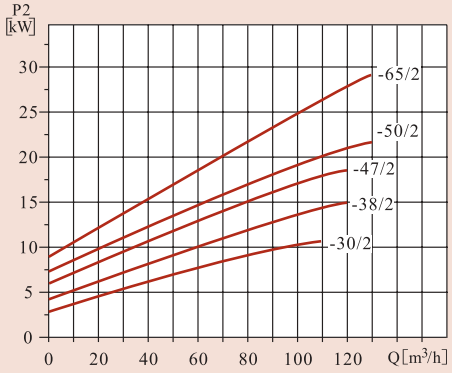
SCRV 80

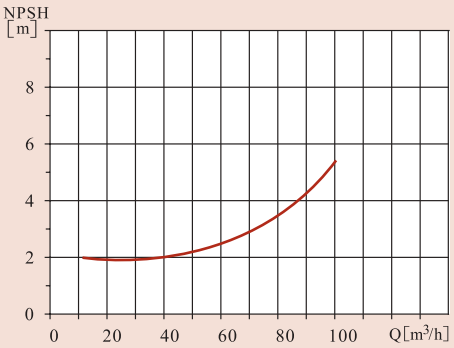
SCRV 80-**/2

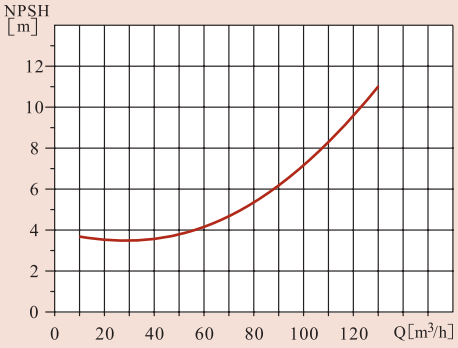


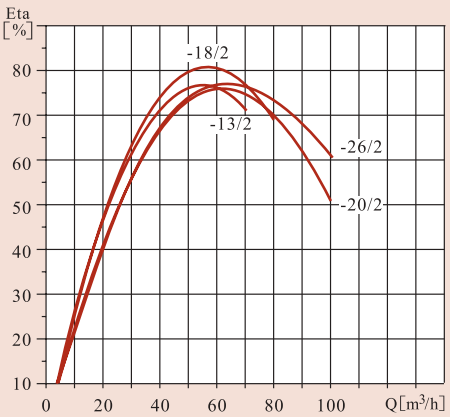


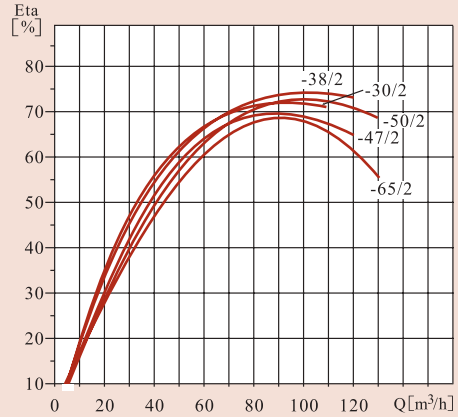


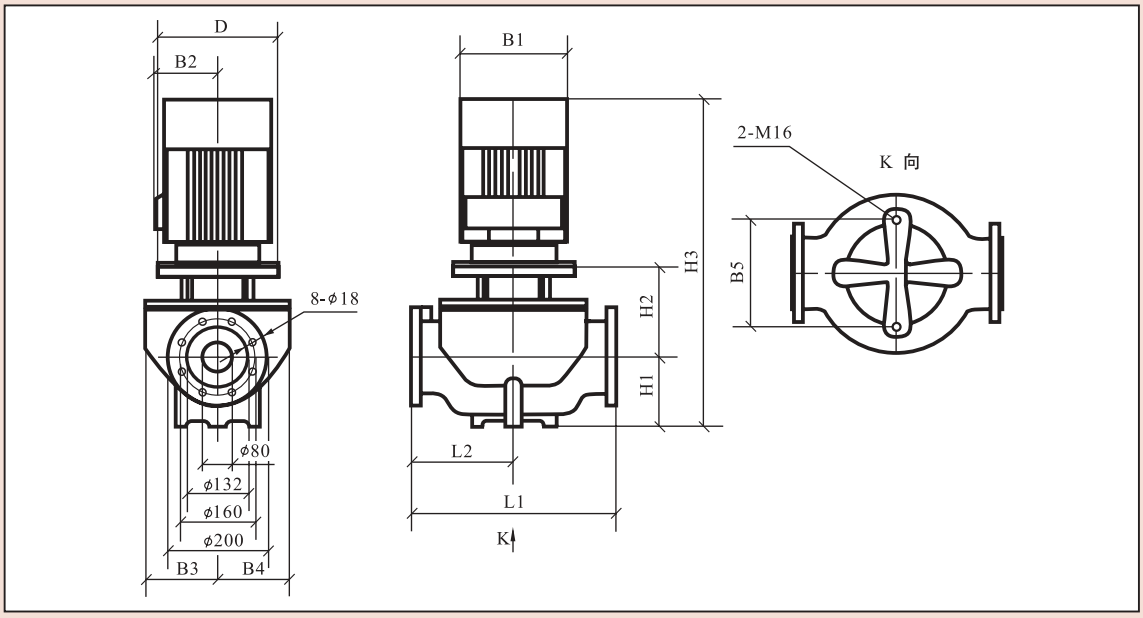












Size, weight, and volume for transportation

Model	PN	[mm]											[kg]		[m³]
		D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2			
SCRV 80-13/2	16	160	197	165	142	124	160	105	219	658	450	225	84	99	0.138
SCRV 80-18/2	16	160	230	188	142	124	160	105	219	673	450	225	91	106	0.143
SCRV 80-20/2	16	200	260	208	142	124	160	105	242	731	450	225	114	132	0.152
SCRV 80-26/2	16	200	260	208	142	124	160	105	242	771	450	225	117	135	0.152
SCRV 80-30/2	16	350	330	255	182	163	144	115	263	950	500	250	194	216	0.255
SCRV 80-38/2	16	350	330	255	182	163	144	115	263	950	500	250	204	226	0.255
SCRV 80-47/2	16	350	330	255	182	163	144	115	263	1010	500	250	222	244	0.266
SCRV 80-50/2	16	350	330	255	182	163	144	115	263	1050	500	250	258	283	0.279
SCRV 80-65/2	16	400	400	310	182	163	144	115	263	1120	500	250	319	344	0.331

Performance table

Model	(kW)	Q(m³/h)	5	10	20	30	40	50	60	70	80	90	100	110	120	130
SCRV 80-13/2	3	H (m)	17.5	17	16	15	14	13	12	11						
SCRV 80-18/2	4		22.5	21.5	21	20	19	18	17	16	15					
SCRV 80-20/2	5.5		23.6	23.5	23.5	22.5	22	21.6	20	18	15	11	8			
SCRV 80-26/2	7.5		30	30	29.8	29.5	29	27.8	26	24	21.7	18	14			
SCRV 80-30/2	11		33.5	33.4	33.3	33.2	33.1	32.7	32	31.2	30	29	28	24		
SCRV 80-38/2	15		42.5	42.2	42	41.8	41.5	41	40	39	38	36	34	31	27.8	
SCRV 80-47/2	18.5		50.5		50.3		50.2		49.5		47		41.3	38.4	34.2	
SCRV 80-50/2	22		58.5		58.2		57.5		56.4		54		50	46.6	43.1	38.4
SCRV 80-65/2	30		70		69.8		69.5		69		67.2		65	61.4	58.8	53.7

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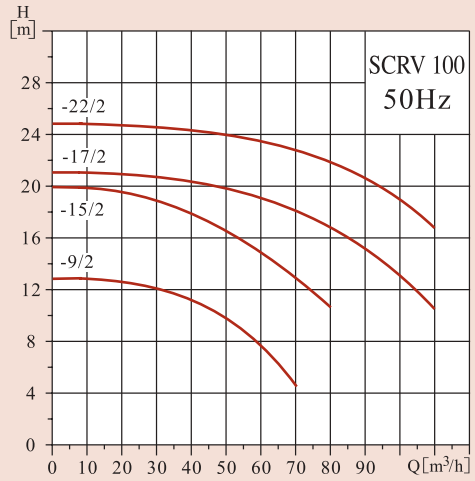
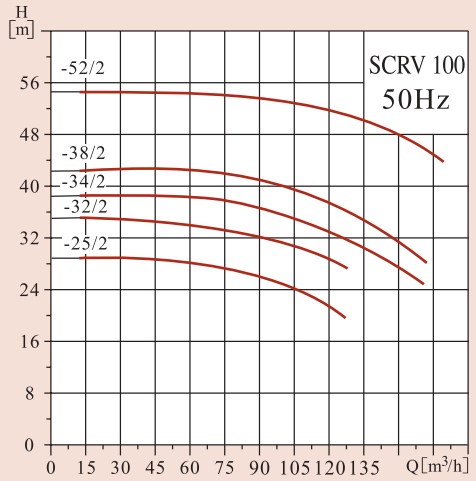
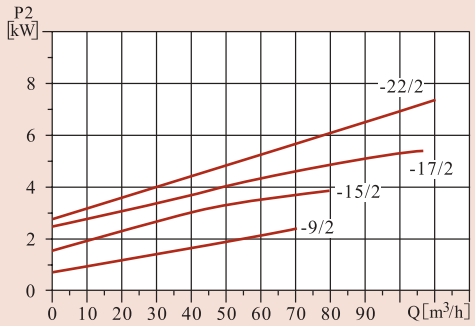
TECHNICAL DATA

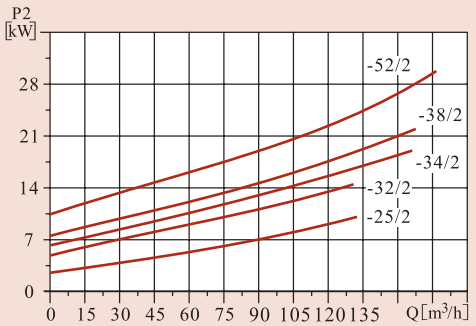
SCRV 100

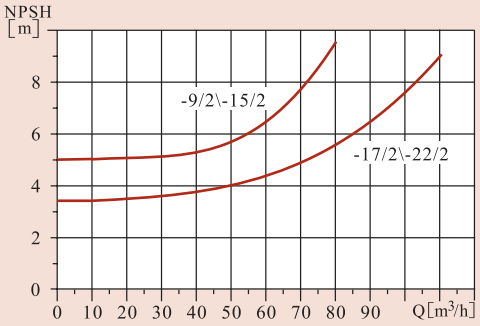
SCRV 100-**/2

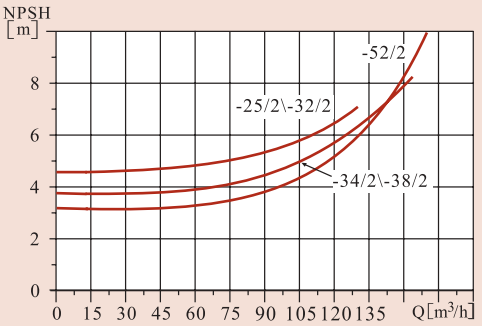


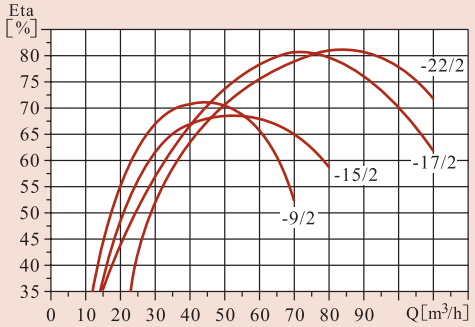


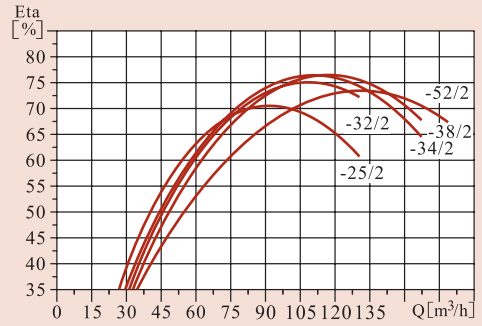


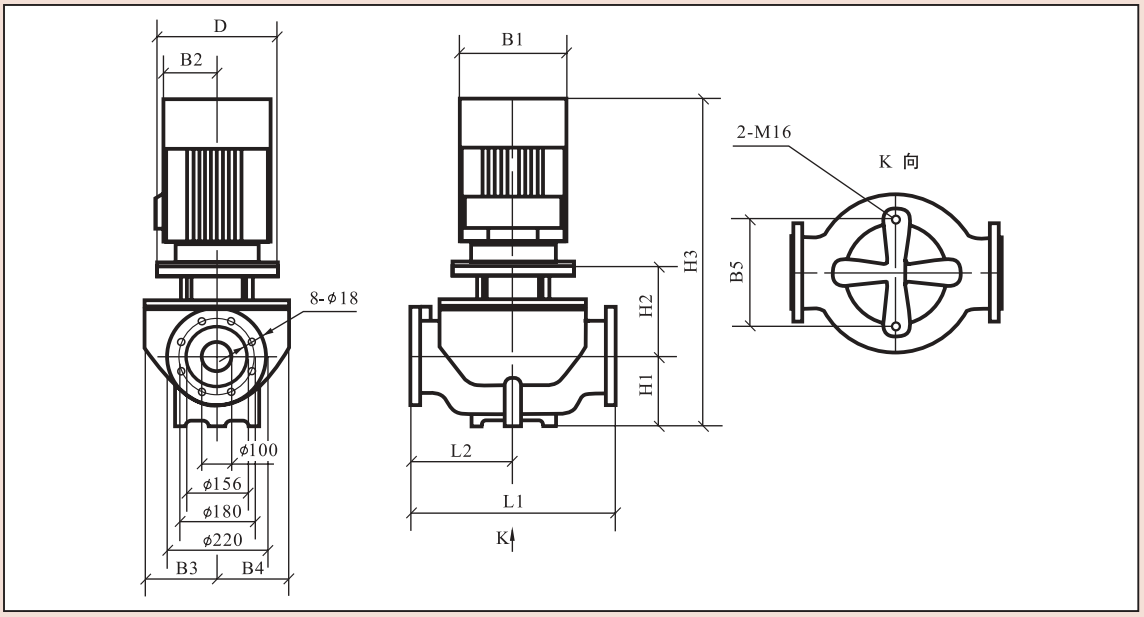












Size, weight, and volume for transportation

Model	PN	[mm]											[kg]		[m³]
		D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2			
SCRV100-9/2	16	140	175	155	134	101	160	105	178	578	450	225	65	80	0.117
SCRV100-15/2	16	160	215	190	134	101	160	105	190	630	450	225	83	98	0.129
SCRV100-17/2	16	200	260	205	150	117	144	140	215	785	500	250	119	137	0.173
SCRV100-22/2	16	200	260	205	150	117	144	140	215	785	500	250	122	140	0.173
SCRV100-25/2	16	350	350	245	181	152	230	140	270	915	550	275	197	219	0.281
SCRV100-32/2	16	350	350	265	181	152	230	140	270	915	550	275	207	229	0.281
SCRV100-34/2	16	350	350	265	181	152	230	140	270	970	550	275	224	246	0.293
SCRV100-38/2	16	350	350	280	181	152	230	140	270	1000	550	275	260	285	0.307
SCRV100-52/2	16	400	400	305	181	152	230	140	270	1070	550	275	318	343	0.364

Performance table

Model	(kW)	Q(m³/h)	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
SCRV100-9/2	2.2		13	13	12.5	11.5	9	6.5	4.5										
SCRV100-15/2	4		20	19.5	18.5	18	17	15	13	10.5									
SCRV100-17/2	5.5		21	21	20.5	19.5	19	18.5	18	17	15	12.5	10						
SCRV100-22/2	7.5	H	25	25	24.5	24.5	24	23.5	23	22	21	19.5	17						
SCRV100-25/2	11	(m)	29	29	28.5	28.5	28	27.5	27	26.5	26	25	24	22.5	20.5				
SCRV100-32/2	15		35	35	35	34.5	34.5	34	33.5	33	32.5	32	31	30	27.5				
SCRV100-34/2	18.5		39	39	39	38.5	38.5	38	38	37.5	37	36	35	34	33	31	29	25	
SCRV100-38/2	22		42.5	42.5	42.5	42	42	42	41.5	41.5	41	40.5	39.5	38	36.5	35	32.5	28.5	
SCRV100-52/2	30		54.5	54.5	54.5	54.5	54	54	54	53.5	53.5	53	53	52.5	52	51	49.5	47	44

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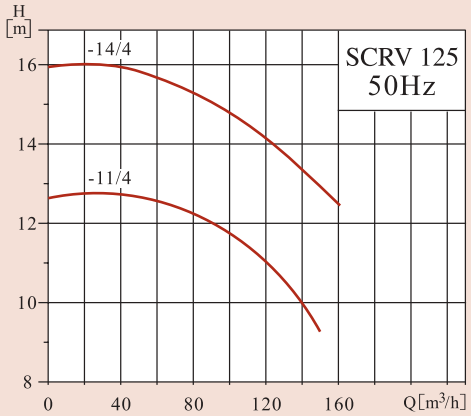
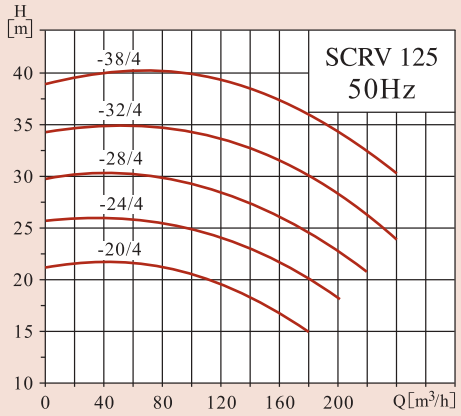
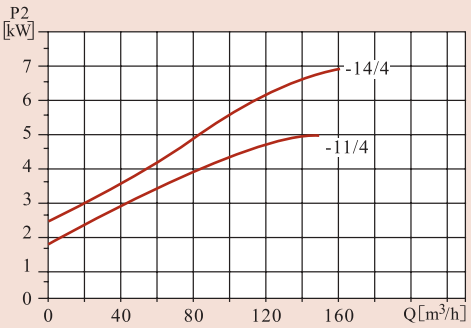
TECHNICAL DATA

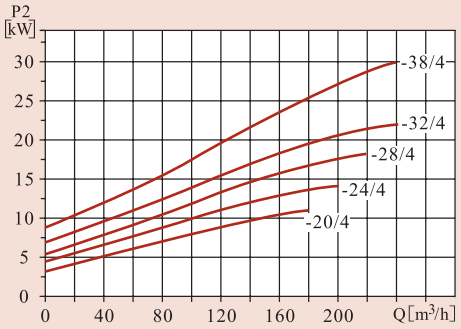
SCRV 125

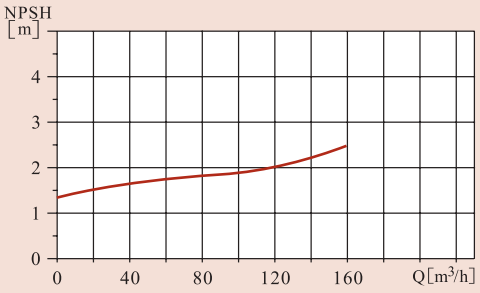
SCRV 125-**/4

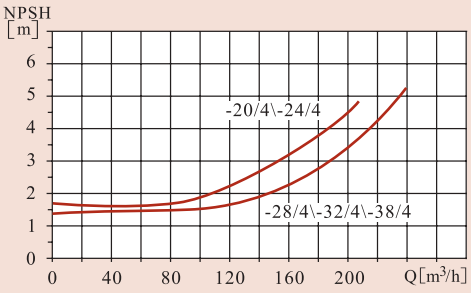


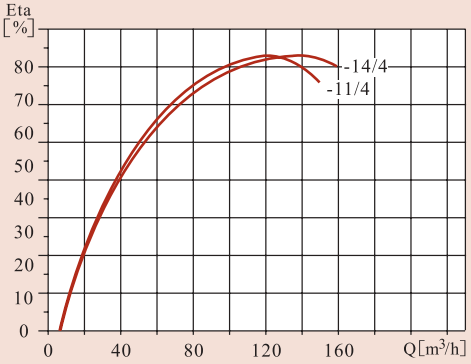


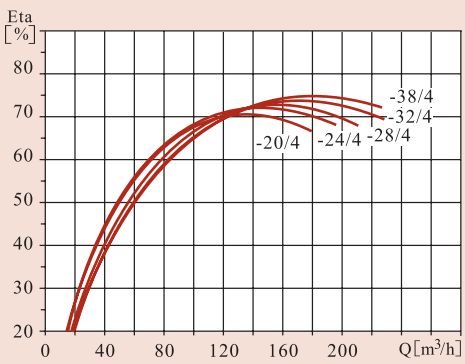


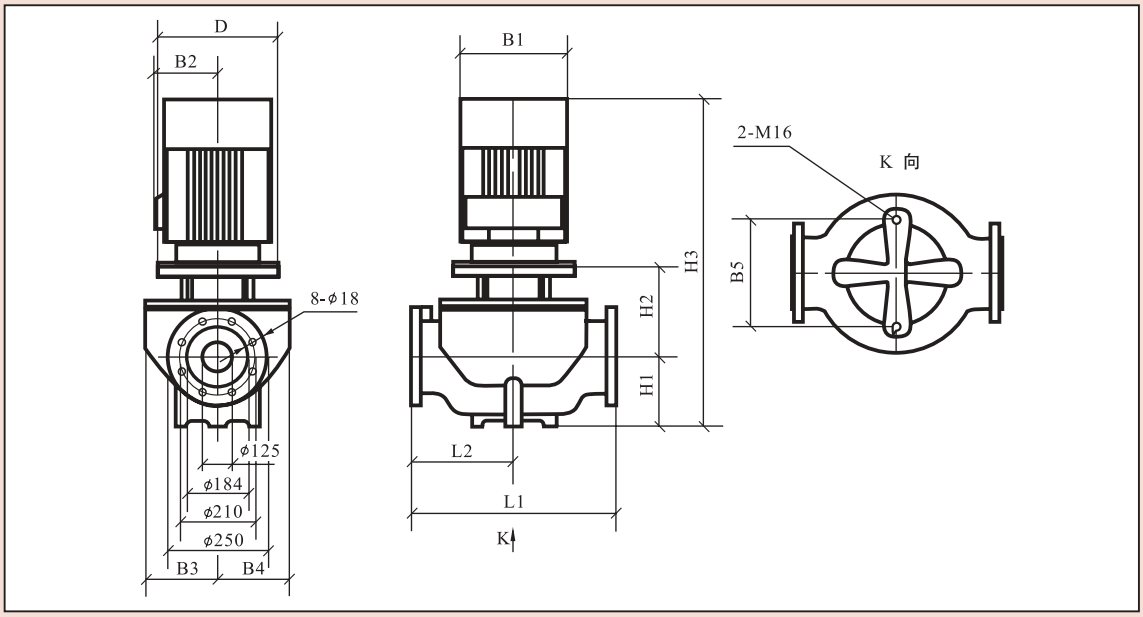












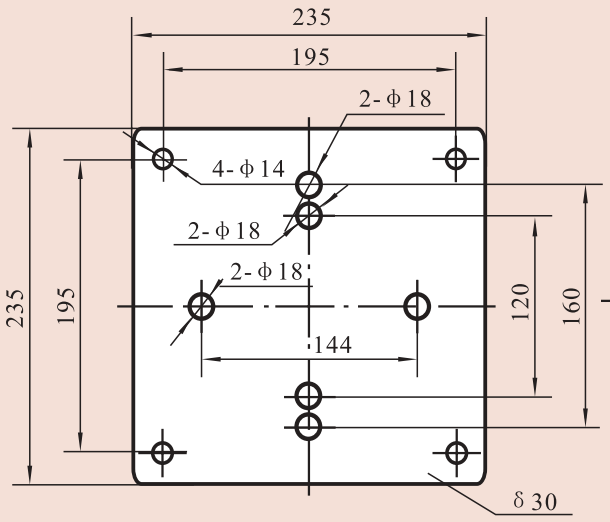
Size, weight, and volume for transportation

Model	PN	[mm]											[kg]		[m³]
		D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2			
SCRV125-11/4	16	200	260	208	216	176	230	215	228	873	620	310	166	184	0.310
SCRV125-14/4	16	200	260	208	216	176	230	215	228	873	620	310	169	187	0.310
SCRV125-20/4	16	350	330	255	272	248	230	215	301	1020	800	400	320	342	0.597
SCRV125-24/4	16	350	330	255	272	248	230	215	301	1020	800	400	330	352	0.597
SCRV125-28/4	16	350	330	255	272	248	230	215	301	1145	800	400	349	376	0.619
SCRV125-32/4	16	350	330	255	272	248	230	215	301	1145	800	400	384	411	0.646
SCRV125-38/4	16	400	400	310	272	248	230	215	301	1175	800	400	444	476	0.685

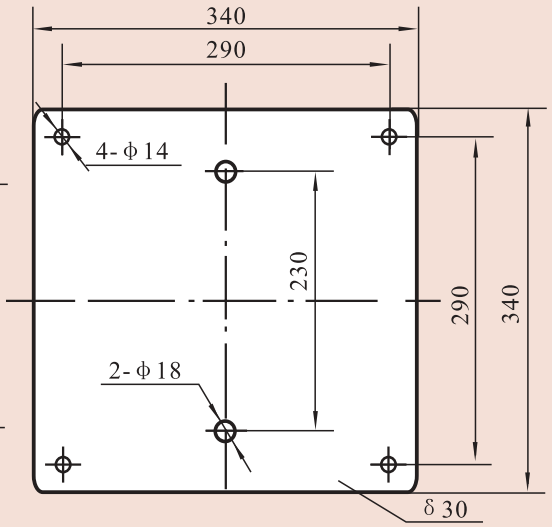
Performance table

Model	(kW)	Q(m³/h)	20	40	60	80	100	120	140	150	160	180	200	220	240
SCRV125-11/4	5.5	H (m)	12.9	12.7	12.6	12.2	11.6	11	10	9					
SCRV125-14/4	7.5		16.2	16.1	16	15.9	15.3	14	13.8		12.5				
SCRV125-20/4	11		21.8	21.4	21.2	21	20.6	20	18		16.4	14.5			
SCRV125-24/4	15		26.2	25.9	25.7	25.5	24.8	24	22.9		21.2	19.8	17.8		
SCRV125-28/4	18.5		30.4	30.2	30.1	29.9	29.4	28.6	28		26.6	24.5	22.5	20	
SCRV125-32/4	22		35.2	34.9	34.8	34.5	34.2	33.5	32.7	32	31.3	30.1	27.8	25.6	25
SCRV125-38/4	30		40.2	40.1	40	39.9	39.8	39.5	38.6	38	37.8	36.2	33.8	31.8	30

Appendix -Base plate



Base plate A



Base plate B

NO.	Product model	Base plate type	NO.	Product model	Base plate type	NO.	Product model	Base plate type
1	SCRV 32-18/2	A	21	SCRV 50-50/2	A	41	SCRV 80-47/2	A
2	SCRV 32-21/2	A	22	SCRV 50-60/2	A	42	SCRV 80-50/2	A
3	SCRV 32-25/2	A	23	SCRV 50-70/2	A	43	SCRV 80-65/2	A
4	SCRV 32-32/2	A	24	SCRV 50-81/2	A	44	SCRV 100-9/2	A
5	SCRV 32-38/2	A	25	SCRV 65-15/2	A	45	SCRV 100-15/2	A
6	SCRV 32-50/2	A	26	SCRV 65-18/2	A	46	SCRV 100-17/2	A
7	SCRV 40-16/2	A	27	SCRV 65-22/2	A	47	SCRV 100-22/2	A
8	SCRV 40-18/2	A	28	SCRV 65-30/2	A	48	SCRV 100-25/2	B
9	SCRV 40-20/2	A	29	SCRV 65-34/2	A	49	SCRV 100-32/2	B
10	SCRV 40-25/2	A	30	SCRV 65-40/2	A	50	SCRV 100-34/2	B
11	SCRV 40-30/2	A	31	SCRV 65-50/2	A	51	SCRV 100-38/2	B
12	SCRV 40-36/2	A	32	SCRV 65-60/2	A	52	SCRV 100-52/2	B
13	SCRV 40-48/2	A	33	SCRV 65-66/2	A	53	SCRV 125-11/4	B
14	SCRV 50-12/2	A	34	SCRV 65-81/2	A	54	SCRV 125-14/4	B
15	SCRV 50-15/2	A	35	SCRV 80-13/2	A	55	SCRV 125-20/4	B
16	SCRV 50-18/2	A	36	SCRV 80-18/2	A	56	SCRV 125-24/4	B
17	SCRV 50-24/2	A	37	SCRV 80-20/2	A	57	SCRV 125-28/4	B
18	SCRV 50-28/2	A	38	SCRV 80-26/2	A	58	SCRV 125-32/4	B
19	SCRV 50-35/2	A	39	SCRV 80-30/2	A	59	SCRV 125-38/4	B
20	SCRV 50-40/2	A	40	SCRV 80-38/2	A			


SPERONI
WATER PUMPS
SCR 32/40
230V – 50Hz
IP 44
TF 110
Max. 10 bar
CE