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EVAK PUMP

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ISO 9001:2008

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PUMP PARTNERS

50HZ

PUMP PARTNERS

Vol.PIE-23032

Company Profile

EVAK Partner is a leading pump manufacturer committed to the human water safety to make our contribution. The team who founded the company is the first generation research and development of stainless steel centrifugal pump in Asia and has accumulated more than 30 years of technology research and development experience, core members presided over and participated in the development of international standard of the "light, small multistage centrifugal pump". Projects of research and development, design and production. R&D centre equipped with industry-leading CFD fluid 3D simulation design software, domestic top stamping equipment and automatic production line to ensure high performance and high stability of products, our comprehensive R & D and production strength achieve world class level.

The construction area of the company is 82,000 square meters, design output value is one billion per year. We can offer you a wide range of stainless steel stamping and welding centrifugal pump, pipeline circulation pump, end suction centrifugal pump, sewage submersible pump, high-pressure pump, fire pump and water supply and drainage complete sets of products for many applications as highest performance in booster sets and pressurization, building services, water treatment, industry, irrigation and industrial process, fire-fighting sets, pumping of underground water, drainage and sewage, utilities and desalination.

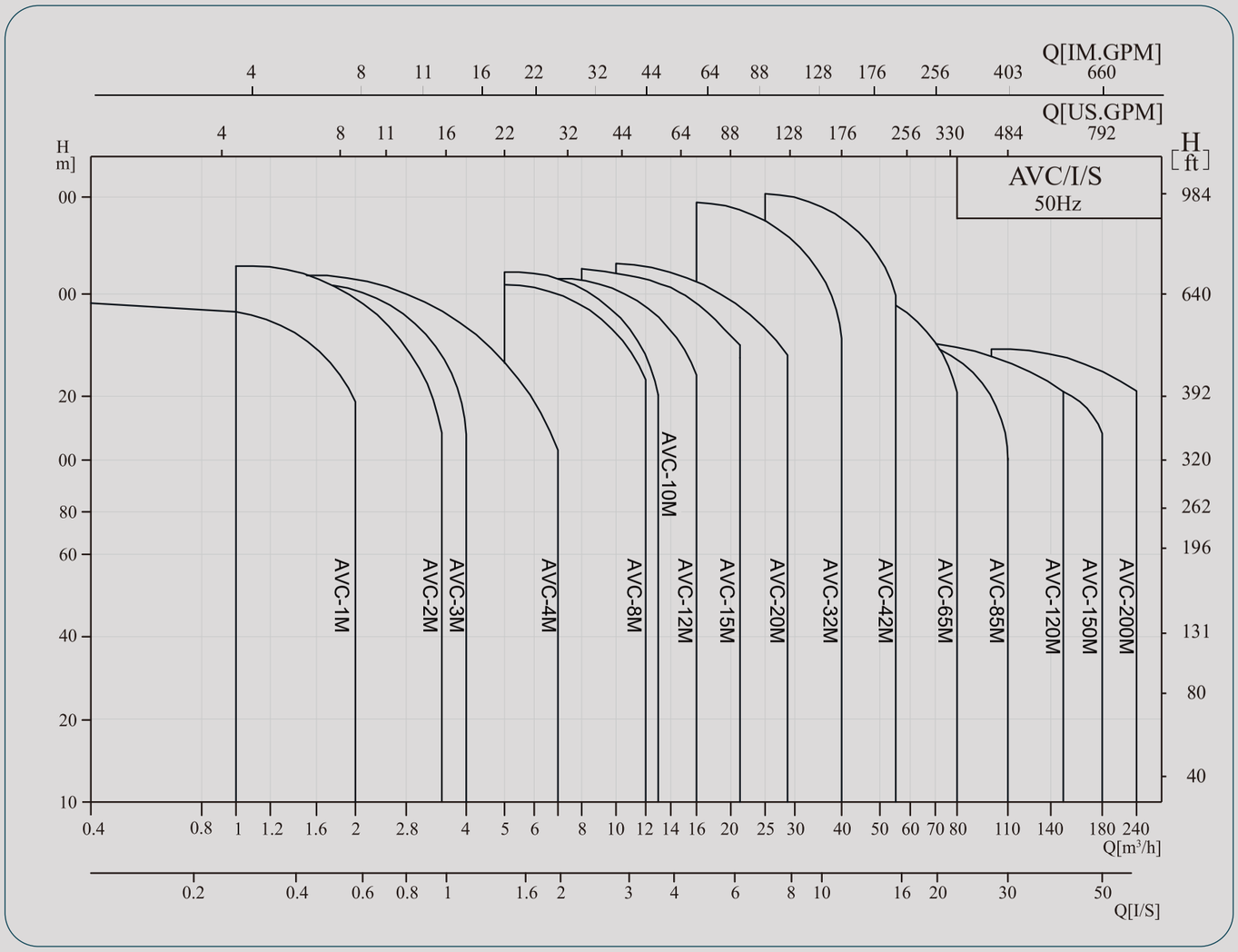
Now we are looking for more partners around the world and we sincerely looking forward to your joining in the East . Global water challenges as well as opportunities, require excellence in pumping technologies and close cooperation between pump designers and manufacturers. Let's cooperate and make our contribution to the water security for more people all over the world.

Content

General Data

Technical Data

Performance scope



Product range

Description	AVC-1M	AVC-2M	AVC-3M	AVC-4M	AVC-8M	AVC-10M	AVC-12M	AVC-15M	AVC-20M	AVC-32M	AVC-42M	AVC-65M	AVC-85M	AVC-120M	AVC-150M	AVC-200M
Rated flow[m³/h]	1	2	3	4	8	10	12	l5	20	32	42	65	85	120	150	200
Rated flow[l/s]	0.28	0.56	0.83	1.1	2.2	2.78	3.3	4.17	5.6	8.9	11.7	18	24	33	41.6	55.6
Flow range[m³/h]	0.4-2	1-3.5	1.2-4	1.5-7	5-12	5-13	7-16	8-22	10-28	16-40	25-55	30-80	50-110	60-150	80-180	100-240
Flow range[l/s]	0.11-0.56	0.28-0.97	0.33-1.1	0.42-1.9	1.4-3.3	1.4-3.64	1.9-4.4	2.1-6.1	2.8-7.8	4.4-11.1	6.9-15.3	8.3-22.2	13.8-30.5	16.7-41.7	22-50	27.8-66.7
Max.pressure[bar]	21	23	22	21	21	22	22	22	23	29	30	22	17	16	16	16
Motor power[kW]	0.37-2.2	0.37-3	0.37-3	0.37-4	0.75-7.5	0.75-7.5	1.5-11	1.1-15	1.1-18.5	1.5-30	3.0-45	4.0-45	5.5-45	11-75	11-75	l8.5-110
Temp.[°C]	-15-+120															
MAX.efficiency[%]	44	46	54	57	62	68	63	70	69	73	75	76	77	74	73	79
Type																
AVC	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
AVI/S	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
AVC Pipclines																
DIN Flange	DN25	DN25	DN25	DN32	DN40	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
Oval Flange	G1	G1	G1	G1¼	G1½	G1½										
AVI/S Pipelines																
DIN Flange	DN25	DN25	DN25	DN32	DN40	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
Cutting ferrule joint	DN32	DN32	DN32	DN32	DN50	DN50	DN50	DN50	DN50							
Pipe thread	R1¼	R1¼	R1¼	R1¼	R2	R2	R2	R2	R2							
Oval Flange	G1	G1	G1	G1¼	G1½	G1½										

Pump

AVC/I/S is a kind of vertical non-self priming multistage centrifugal pump, which is driven by a standard electric motor. The motor output shaft directly connects with the pump shaft through a coupling. The pressure-resistant cylinder and flow passage components are fixed between pump head and inlet & outlet section with stay bolts. The inlet and outlet are located at the pump bottom at the same plane. This kind of pump can be equipped with an intelligent protector to effectively prevent it from dry-running, out-of-phase and overload.

Motor

Full-enclosed air-blast two-pole standard motor
Protection class: IP55
Insulation class: F
Standard voltage:50Hz: 1×220-230/240V
3 × 200-220 / 346-380V
3 × 220-240 / 380-415V
3 × 380-415V

Application

AVC/I/S is a kind of multifunctional products.It can be used to convey various medium from tap water to industrial liquid at different temperature and with different flow rate and pressure. AVC type is applicable to conveying non-corrosive liquid, while AVI/S is suitable for slightly corrosive liquid.

●Water supply: Water filter and transport in Waterworks, boosting of main pipeline, boosting in high-rise buildings.

●Industrial boosting: Process flow water system, cleaning system, high-pressure washing system, fire fighting system.

●Industrial liquid conveying: Cooling and air-conditioning system, boiler water supply and condensing system, machine-associated purpose, acids and alkali.

●Water treatment: ulitrafiltration system, reverse osmosis system, distillation system, separator, swimming pool.

●Irrigation: Farmland irrigation, spray irrigation, dripping irrigation.

Operation conditions

●Thin, clean, non-flammable and non-explosive liquid containing no solid granules and fibers.

●Liquid temperature:
Normal temperature type: -15℃~+70℃,
Hot water type: -15℃~+120℃

●Ambient temperature: up to +40℃

●Altitude:up to 1000m

Definition of Model

AVC/I/S1,2,3,4,8,10,12,15 and 20

AVC I/S 8M — 02 / 1

- 1 — Number of impeller
- 02 — Stage
- 8M — Rated flow (m³/h)
- I/S — Flow passage components are of stainless steel 304(I) or 316(S)
- AVC — Light vertical multistage centrifugal pump

AVC/I/S32,42,65,85,120 and 150

AVC I/S 32M — 03 — 2

- 2 — Number of small impeller
- 03 — Stage
- 32M — Rated flow (m³/h)
- I/S — Flow passage components are of stainless steel 304(I) or 316(S)
- AVC — Light vertical multistage centrifugal pump

AVC/I/S 200

AVC I/S 200M — 03 — 2A — 2B

- 2B — One small impeller B
- 2A — Two small impellers A
- 03 — Stage
- 200M — Rated flow (m³/h)
- I/S — Flow passage components are of stainless steel 304(I) or 316(S)
- AVC — Light vertical multistage centrifugal pump

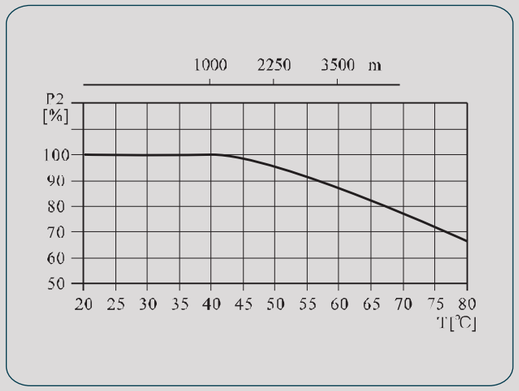
Max working pressure

Model	Max.pressure(bar)
AVC 1,2,3,4,Flange	25
AVC(I/S) 1,2,3,4, Over Flange	16
AVI/S 1,2,3,4 Flange. cutting ferrule joint, pipe thread	25
AVC 8,10,12,15,20 Flange	25
AVC(I/S) 8 Over Flange	16
AVI/S 8,10,12,15,20 Flange,cutting ferrule joint,pipe thread	25
AVC 32	
32-10-1~32-80 32-90-2~32-160	16(30) 30
AVI/S 32	30
AVC 42	
42-10-1~42-60-2 42-60~42-90 42-100-2～42-130-2	16(30) 25(30) 30
AVI/S 42	
42-10-1~42-90 42-100-2~42-130-2	25(30) 30
AVC 65	
65-10-1~65-50-2 65-50-1~65-80-1	16(25) 25
AVC 85	
85-10-1~85-40-2 85-40~85-60	16(25) 25
AVI/S 65,85	25
AVC/I/S 120,150,200	20

Pumps with pressure inside brackets need to specify especially.

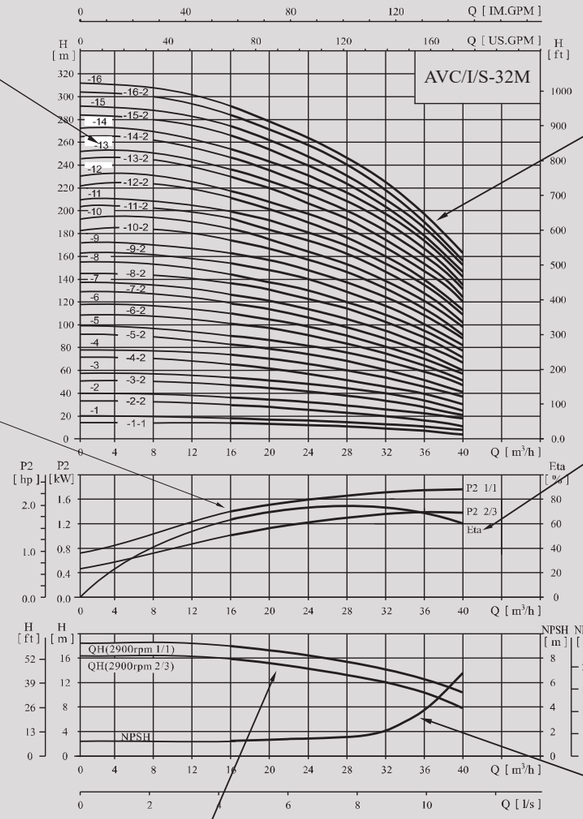
Max.Ambient temperature

When the pump operates under ambient temperature higher than 40℃ or under altitude higher than 1000m，because of low air density and poor cooling effects, the motor output power P2 will be decreased to certain extent. If the pump is operated under the above-said conditions, it should be equipped with motor of higher power



Curve illustration

Stage
First number:
Stage
Second number:
Number of small impeller



Pump Q-H curve, the thickened line presents recommended performance region.

The power curve presents the input power of each stage, which is divided into integrate impeller type(1/1) and the type with small impeller (2/3)

Eta curve presents efficiency of the pump,for the pump equipped with small impeller, its efficiency will be 2% lower than that shown by the curve.

NPSH curve expresses the average value of all curves of this series. A safety margin of 0.5m shall be taken into consideration when making selection.

The Q-H curve of each stage,presenting integrate impeller type (1/1)and the type equipped with small impeller(2/3),

Performance curve

Following conditions arc suitable for the performance curves shown bellow:

1、All curves arc based on the measured values of 50Hz: constant motor speed 2900rpm or 2950rpm.

2、Curve tolerance in conformity to ISO9906:2012 Grade 3B.

3、Measurement is done with 20℃ air-free water, kinematic viscosity of 1mm²/s.

4、The operation of pump shall refer to the performance region indicated by the thickened curve to prevent overheating due to too small flow rate or overload of motor due to too large flow rate

Minimum inlet pressure NPSH

In case that the pressure in pump is lower than the steam pressure used to convey liquid, the cavitation will occur. To avoid cavitation, a minimum pressure at the inlet side of the pump shall be guaranteed. The maximum suction stroke can be calculated with following formula:

H=Pb × 10.2-NPSH-Hf-Hv-Hs

Pb=atmosphere pressure [bar]

(can be set as 1bar)

In a closed system, Pb means system pressure [bar]

NPSH=Net positive suction head [m]

(It can be read out from the point of possible max. flow rate shown on NPSH curve)

Hf=Pipeline loss at the inlet [m]

Hv= Steam pressure [m]

Hs=Safety margin=Minimum 0.5m delivery head

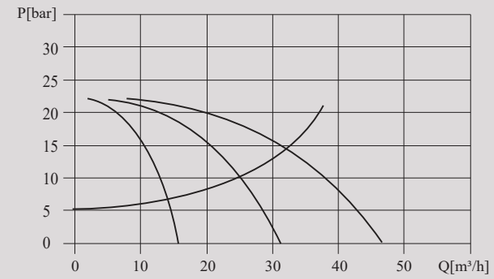
If the calculated result H is positive, the pump may run under the max, suction stroke H.

In case the calculated result H is negative, a delivery head of min. Inlet pressure is necessary.

Operation in parallel

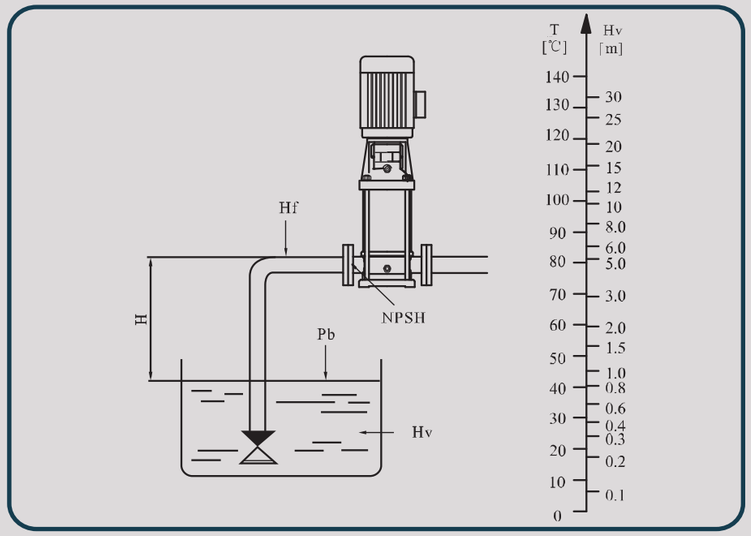
Connecting several pumps in parallel runing will benefit much more than running a single large pump. Applicable to different working states necessary in a variable flow system.

Increasing the possibility of water supply when the pump is in failure. Because in case of pump failure, only part of the system flow is effected.



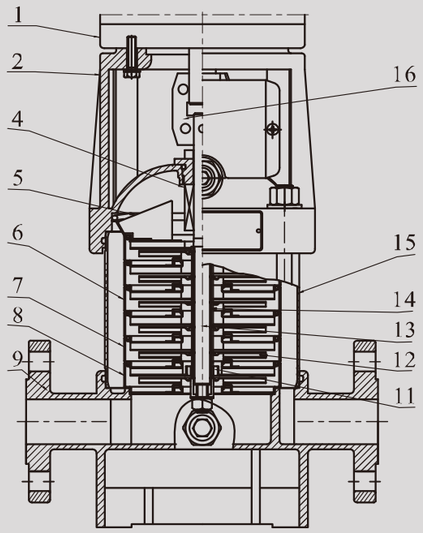
Two pumps or more can be connected in parallel running if necessary.

~~Check and ensure that the pump is not at cavitation state~~.



Check and ensure that the pump is not at cavitation state.

Section drawing AVC/I/S-1,2,3,4



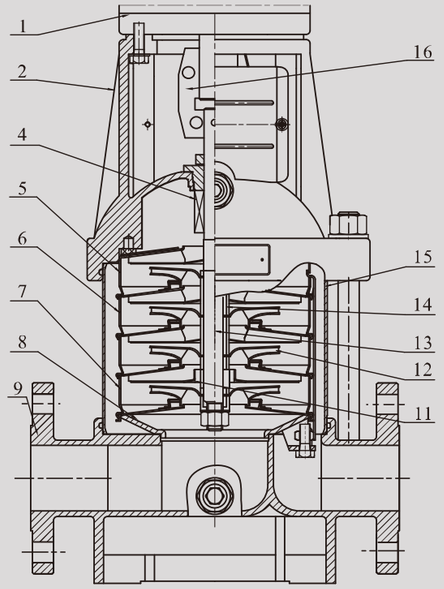
AVC

AVI/S

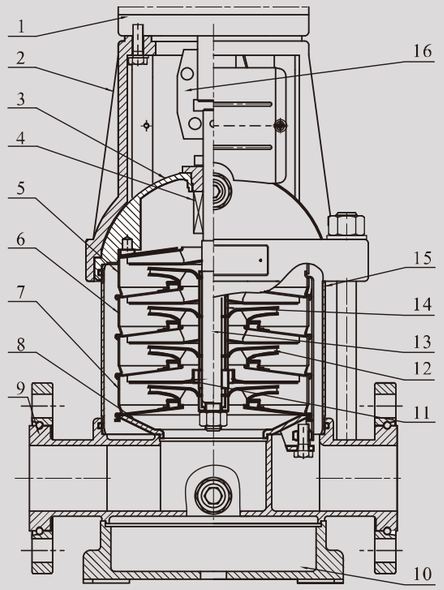
Material AVC/I/S-1,2,3,4

No.	Name	Material	AISI/ASTM
1	Motor		
2	Pump head	Cast iron	ASTM25B
4	Mechanical seal		
5	Top diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
11	Bearing	Tungsten carbide	
12	Impeller	Stainless steel	AISI304
13	Shaft	Stainless steel	AISI304 AISI316L
14	Impeller sleeve	Stainless steel	AISI304
15	Cylinder	Stainless steel	AISI304
16	Coupling	Carbon steel	
AVI/S			
3	Seal base	Stainless steel	AISI304
9	Inlet and outlet chamber	Stainless steel	AISI304
10	Base plate	Cast iron	ASTM25B
AVC			
9	Inlet and outlet chamber	Cast iron	ASTM25B

Section drawing AVI/S-8,10,12,15,20



AVC

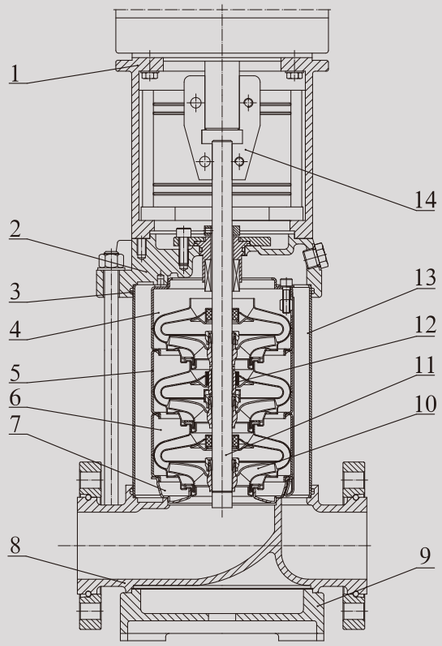


AVI/S

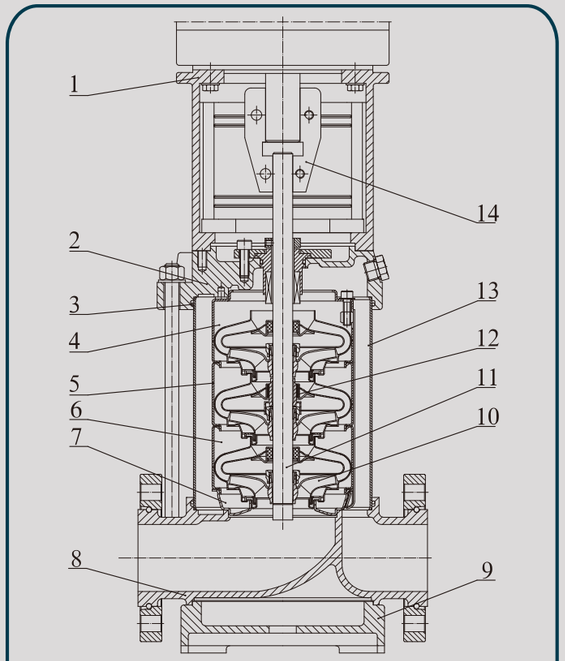
Material AVC/I/S-8,10,12,15,20

No.	Name	Material	AISI/ASTM
1	Motor		
2	Pump head	Cast iron	ASTM25B
4	Mechanical seal		
5	Top diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
11	Bearing	Tungsten carbide	
12	Impeller	Stainless steel	AISI304
13	Shaft	Stainless steel	AISI304 AISI316L
14	Impeller sleeve	Stainless steel	AISI304
15	Cylinder	Stainless steel	AISI304
16	Coupling	Carbon steel	
AVI/S			
3	Seal base	Stainless steel	AISI304
9	Inlet and outlet chamber	Stainless steel	AISI304
10	Base plate	Cast iron	ASTM25B
AVC			
9	Inlet and outlet chamber	Cast iron	ASTM25B

Section drawing AVC/I/S-32,42,65,85



AVC

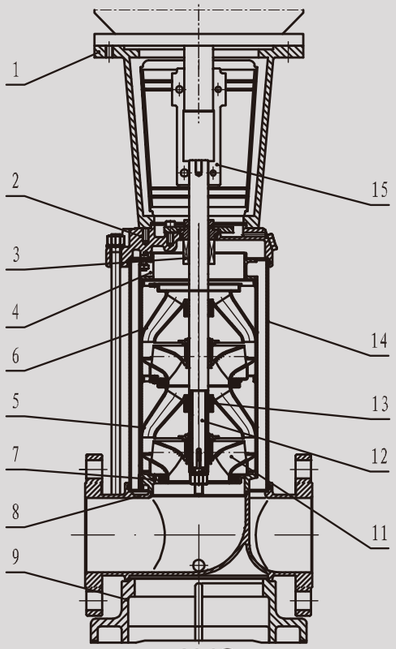


AVI/S

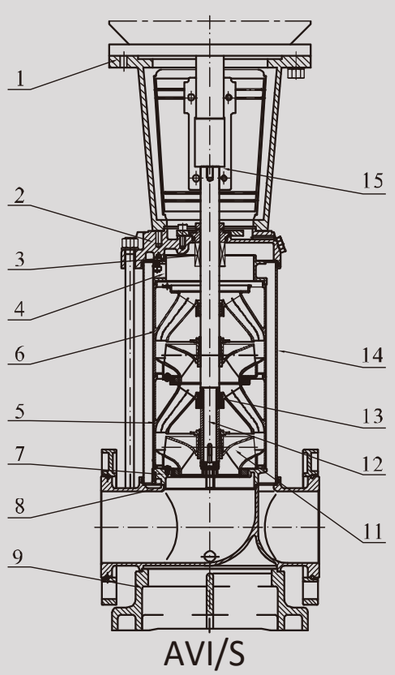
Material AVC/I/S-32,42,65,85

NO.	Name	Material	AISI/ASTM
1	Bracket	Cast iron	ASTM25B
3	Mechanical seal		
4	Top diffuser	Stainless steel	AISI304
5	Support diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Inducer	Stainless steel	AISI304
9	Base plate	Cast iron	ASTM25B
10	Bottom bearing	Tungsten carbide	
11	Impeller	Stainless steel	AISI304
12	Shaft	Stainless steel	AISI316L AISI304 AISI431
13	Intermediate bearing	Tungsten carbide	
14	Cylinder	Stainless steel	AISI304
15	Coupling	Carbon steel	
	Rubber parts	NBR	
AVI/S			
2	Pump head	Cast iron	ASTM25B
8	Inlet and outlet chamber	Cast iron	ASTM25B
AVC			
2	Pump head	Stainless steel	AISI304
8	Inlet and outlet chamber	Stainless steel	AISI304

Section drawing AVC/I/S-120,150,200



AVC

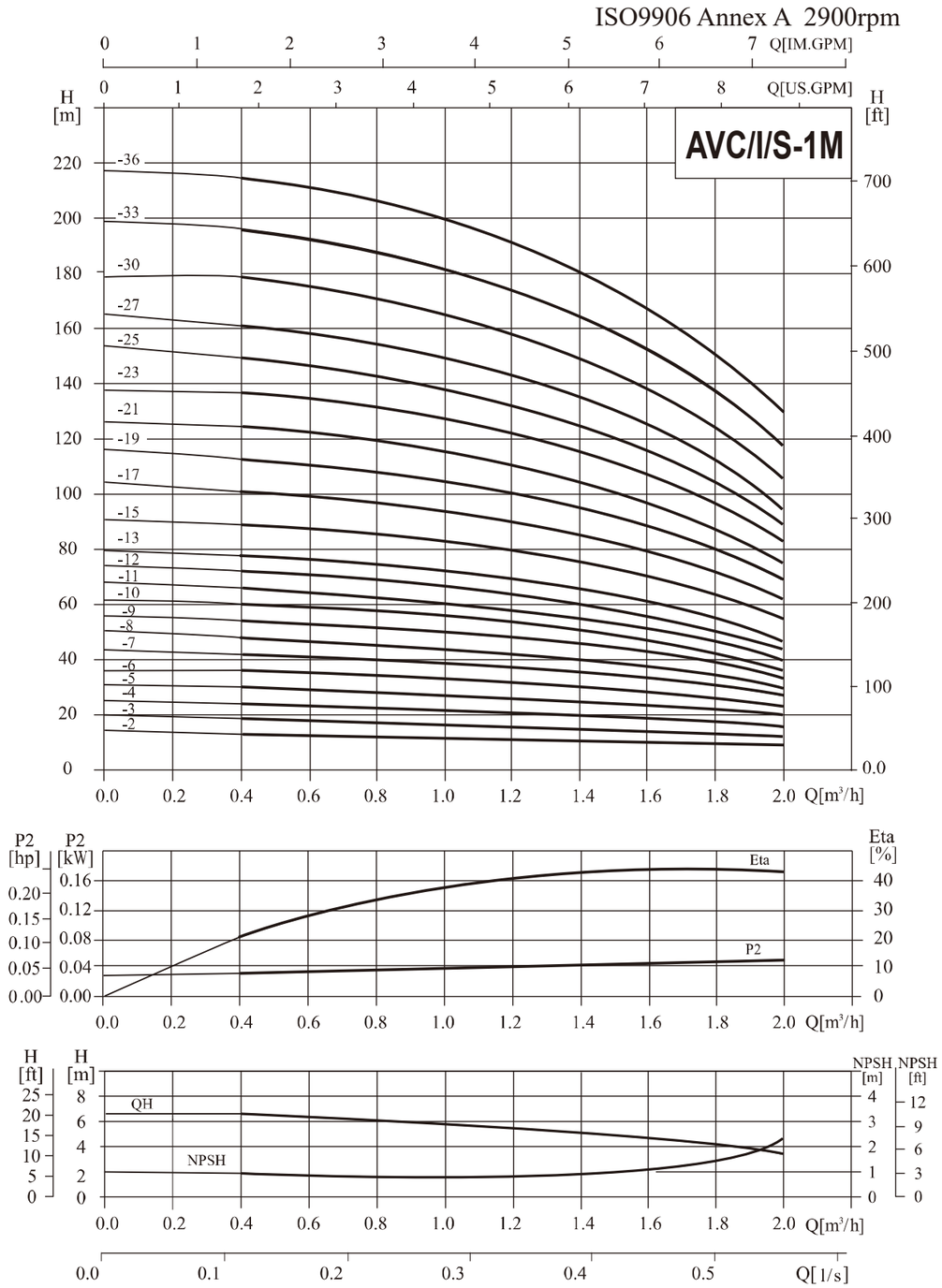


AVI/S

Material AVC/I/S-120,150,200

NO.	Name	Material	AISI/ASTM
1	Bracket	Cast iron	ASTM25B
3	Mechanical seal		
4	Top diffuser	Stainless steel	AISI304
5	Support diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Inducer	Stainless steel	AISI304
9	Base plate	Cast iron	ASTM 80-55-06
11	Impeller	Stainless steel	AISI304
12	Shaft	Stainless steel	AISI304
13	Bearing	Tungsten carbide	
14	Cylinder	Stainless steel	AISI304
15	Coupling	Carbon steel	
	Rubber parts	NBR	
AVI/S			
2	Pump head	Cast iron	ASTM 80-55-06
8	Inlet and outlet chamber	Cast iron	ASTM 80-55-06
AVC			
2	Pump head	Stainless steel	AISI304
8	Inlet and outlet chamber	Stainless steel	AISI304

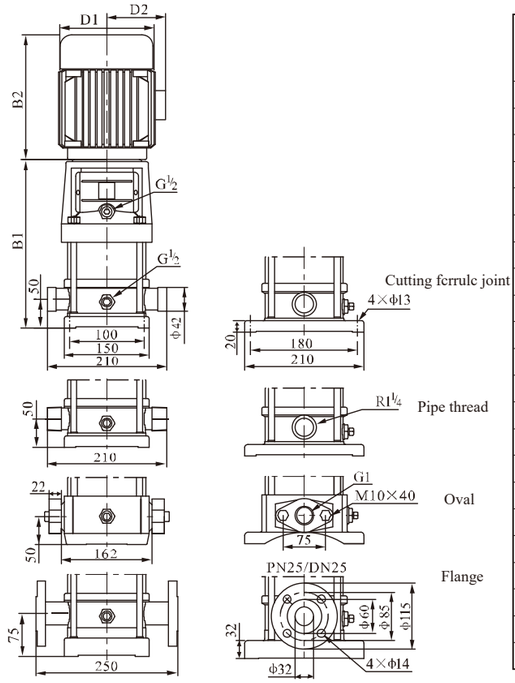
Performance curve



Performance table

Model	Driving motor (kW)	Q (m^3/h)	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
AVC/I/S-1M02	0.37		13	12.5	12	11.5	11	10.5	10	9.5	9
AVC/I/S-1M03	0.37		19	18	17.5	17	16.5	16	15	14	12
AVC/I/S-1M04	0.37		24	23.5	23	22.5	21.5	21	19	18	16
AVC/I/S-1M05	0.37		30	29.6	29	28	27	26	24	22	20
AVC/I/S-1M06	0.37		36	35.5	35	33.5	33	31	28	26	23
AVC/I/S-1M07	0.37		42	41	40.5	39	38	36	33	30	27
AVC/I/S-1M08	0.55		48	47	46	45	43	41	38	34	30
AVC/I/S-1M09	0.55		54	53	52	51	49	46	43	39	33
AVC/I/S-1M10	0.55		60	59	58	57	54	51	48	43	36
AVC/I/S-1M11	0.55		66	65	63	61	59	56	52	47	40
AVC/I/S-1M12	0.75	H (m)	72	71	69	67	64	61	57	51	44
AVC/I/S-1M13	0.75		78	77	75	73	69	66	62	55	47
AVC/I/S-1M15	0.75		89	88	86	84	79	76	71	63	55
AVC/I/S-1M17	1.1		101	99	97	95	89	86	80	71	62
AVC/I/S-1M19	1.1		113	110	108	106	99	96	89	79	69
AVC/I/S-1M21	1.1		124	122	120	117	110	106	98	87	75
AVC/I/S-1M23	1.1		137	133	131	128	121	116	107	96	82
AVC/I/S-1M25	1.5		149	145	143	139	131	126	116	104	89
AVC/I/S-1M27	1.5		161	157	155	150	141	136	125	112	95
AVC/I/S-1M30	1.5		178	175	171	166	157	150	139	124	106
AVC/I/S-1M33	2.2		196	192	188	183	173	165	154	137	118
AVC/I/S-1M36	2.2		214	210	205	200	190	181	169	151	130

Installation sketch

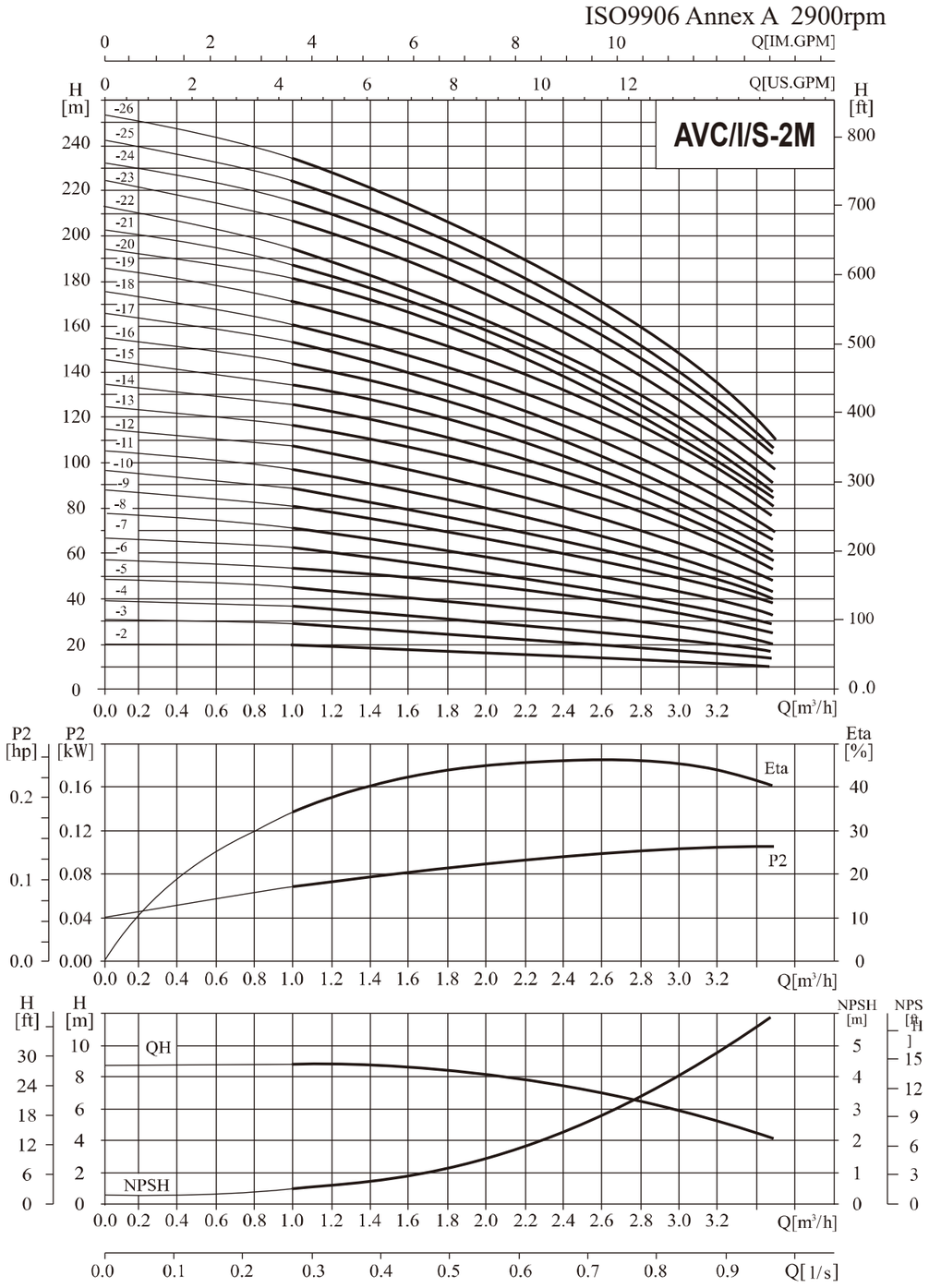


Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-1M02	258	225	483	148	117	23
AVC-1M03	276	225	501	148	117	23
AVC-1M04	294	225	519	148	117	24
AVC-1M05	312	225	537	148	117	24
AVC-1M06	330	225	555	148	117	25
AVC-1M07	348	225	573	148	117	25
AVC-1M08	366	225	591	148	117	28
AVC-1M09	384	225	609	148	117	28
AVC-1M10	402	225	627	148	117	29
AVC-1M11	420	225	645	148	117	30
AVC-1M12	448	245	693	170	142	33
AVC-1M13	466	245	711	170	142	34
AVC-1M15	502	245	747	170	142	35
AVC-1M17	538	245	783	170	142	36
AVC-1M19	574	245	819	170	142	37
AVC-1M21	610	245	855	170	142	38
AVC-1M23	646	245	891	170	142	38
AVC-1M25	692	290	982	190	155	44
AVC-1M27	728	290	1018	190	155	45
AVC-1M30	782	290	1072	190	155	46
AVC-1M33	836	290	1126	190	155	48
AVC-1M36	890	290	1180	190	155	49

AVC-1M25 ~1M36 sub-connection of pipeline has no oval flange connection.
The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.
**B2, D1, D2: subject to resulting height of the driven motor.

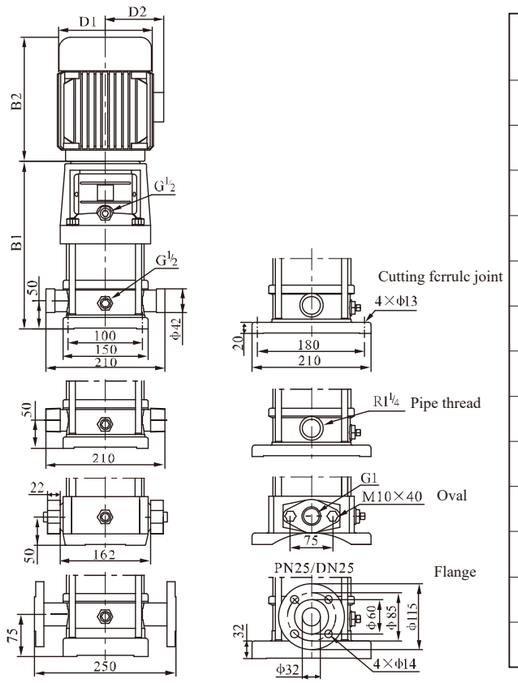
Performance curve



Performance table

Model	Driving motor (kW)	Q (m^3/h)	1	1.2	1.6	2.0	2.4	2.8	3.2	3.5
AVC/I/S-2M02	0.37	H (m)	18	17	16	15	13	12	10	8
AVC/I/S-2M03	0.37		27	26	24	22	20	18	15	12
AVC/I/S-2M04	0.55		36	35	33	30	26	24	20	16
AVC/I/S-2M05	0.55		45	43	40	37	33	30	24	20
AVC/I/S-2M06	0.75		53	52	50	45	40	36	30	24
AVC/I/S-2M07	0.75		63	61	57	52	47	41	35	28
AVC/I/S-2M09	1.1		80	78	73	67	61	54	45	37
AVC/I/S-2M11	1.1		98	95	89	82	73	64	54	44
AVC/I/S-2M13	1.5		116	114	106	98	89	78	65	52
AVC/I/S-2M15	1.5		134	130	123	112	100	90	73	60
AVC/I/S-2M18	2.2		161	157	148	136	121	108	91	76
AVC/I/S-2M22	2.2		197	192	180	165	148	130	110	90
AVC/I/S-2M26	3.0		232	228	214	198	179	158	130	110

Installation sketch

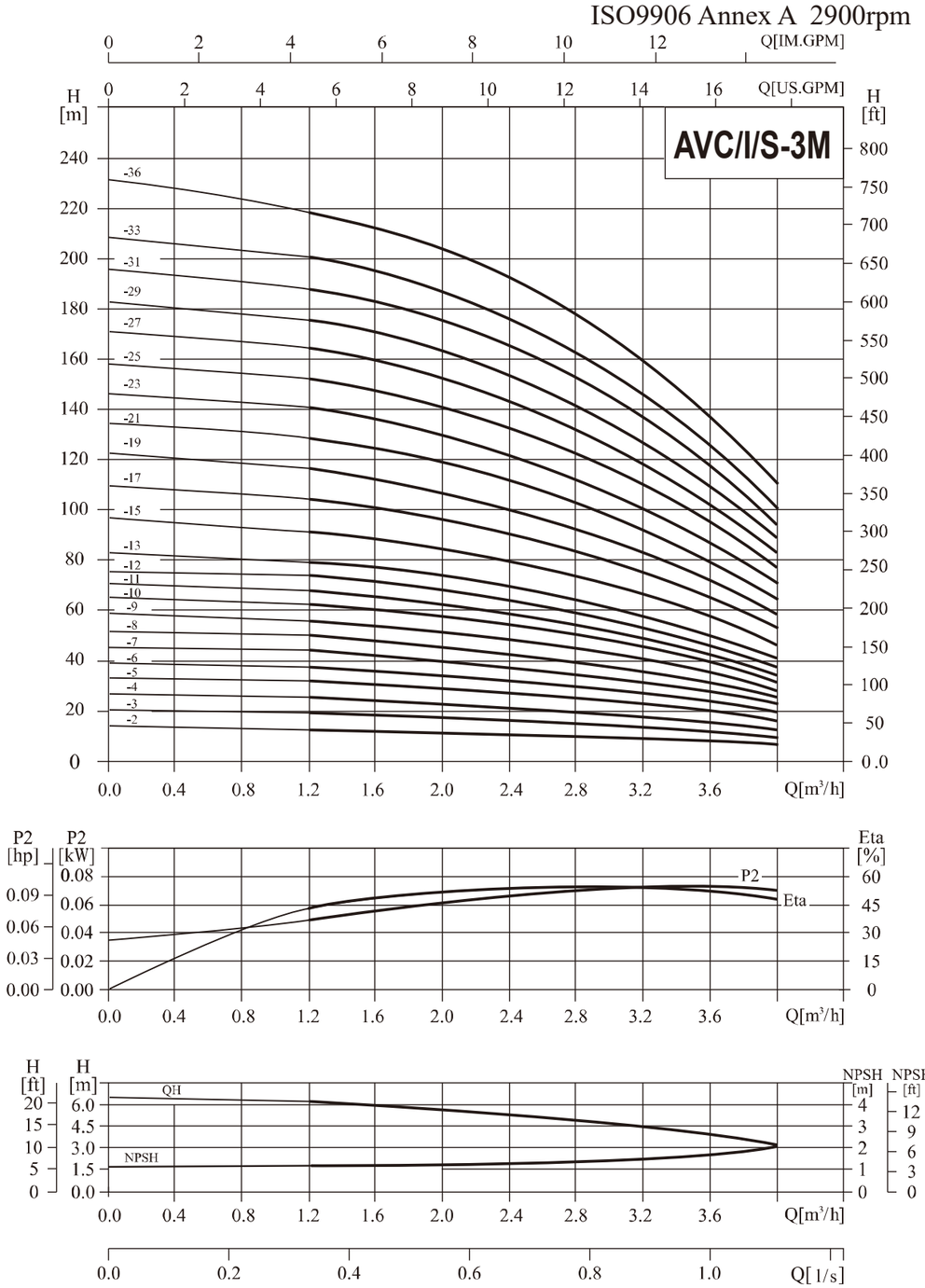


Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-2M02	258	225	483	148	117	24
AVC-2M03	276	225	501	148	117	24
AVC-2M04	294	225	519	148	117	25
AVC-2M05	312	225	537	148	117	26
AVC-2M06	340	245	585	170	142	30
AVC-2M07	358	245	603	170	142	30
AVC-2M09	394	245	639	170	142	33
AVC-2M11	430	245	675	170	142	34
AVC-2M13	476	290	766	190	155	40
AVC-2M15	512	290	802	190	155	42
AVC-2M18	566	290	856	190	155	46
AVC-2M22	638	290	928	190	155	47
AVC-2M26	720	345	1065	197	165	53

AVC-2M18 ~2M26 sub-connection of pipeline has no oval flange connection.
The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.
**B2, D1, D2: subject to resulting height of the driven motor.

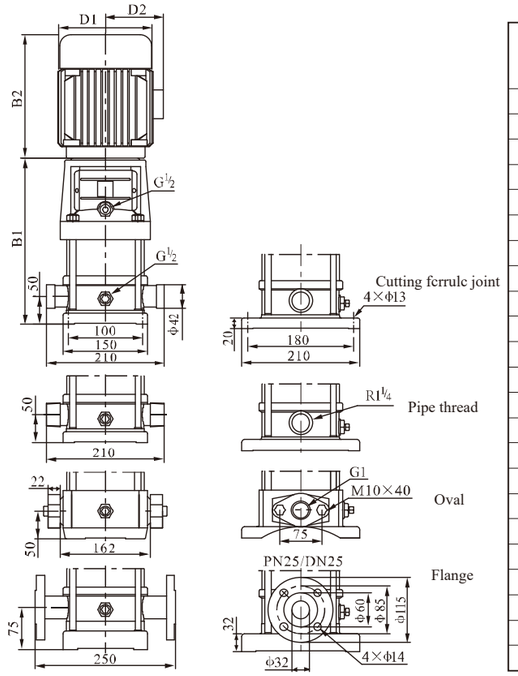
Performance curve



Performance table

Model	Driving motor (kW)	Q (m^3/h)	1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.6	4.0
AVC/I/S-3M02	0.37	H (m)	12.5	11.5	11	10.5	10	9	8	7	6
AVC/I/S-3M03	0.37		19	18.5	17.5	16.5	15	14	13	11	9
AVC/I/S-3M04	0.37		25	24	23	21.5	20	19	18	15	12
AVC/I/S-3M05	0.37		31	30	29	27	25	23	22	19	16
AVC/I/S-3M06	0.55		36	35	34	32	30	28	27	23	19
AVC/I/S-3M07	0.55		43	41	39	37	34	32	31	27	22
AVC/I/S-3M08	0.75		49	47	45	43	39	37	35	31	25
AVC/I/S-3M09	0.75		55	53	51	48	45	42	40	35	28
AVC/I/S-3M10	0.75		61	59	57	54	50	47	45	39	31
AVC/I/S-3M11	1.1		67	64	61	58	54	51	49	42	34
AVC/I/S-3M12	1.1		73	70	67	63	58	55	52	45	37
AVC/I/S-3M13	1.1		78	76	73	69	64	60	57	49	40
AVC/I/S-3M15	1.1		90	88	84	79	73	69	66	57	46
AVC/I/S-3M17	1.5		103	100	96	90	83	79	75	64	52
AVC/I/S-3M19	1.5		115	112	107	100	92	88	83	72	58
AVC/I/S-3M21	2.2		128	124	119	112	102	98	91	79	64
AVC/I/S-3M23	2.2		140	135	130	122	112	107	100	86	70
AVC/I/S-3M25	2.2		151	147	141	131	122	116	109	94	76
AVC/I/S-3M27	2.2		164	159	152	143	132	124	117	101	82
AVC/I/S-3M29	2.2		175	170	163	153	142	133	126	109	88
AVC/I/S-3M31	3.0		187	182	175	165	153	142	135	116	94
AVC/I/S-3M33	3.0		199	194	187	176	163	151	145	125	100
AVC/I/S-3M36	3.0		218	212	204	192	178	168	159	137	109

Installation sketch

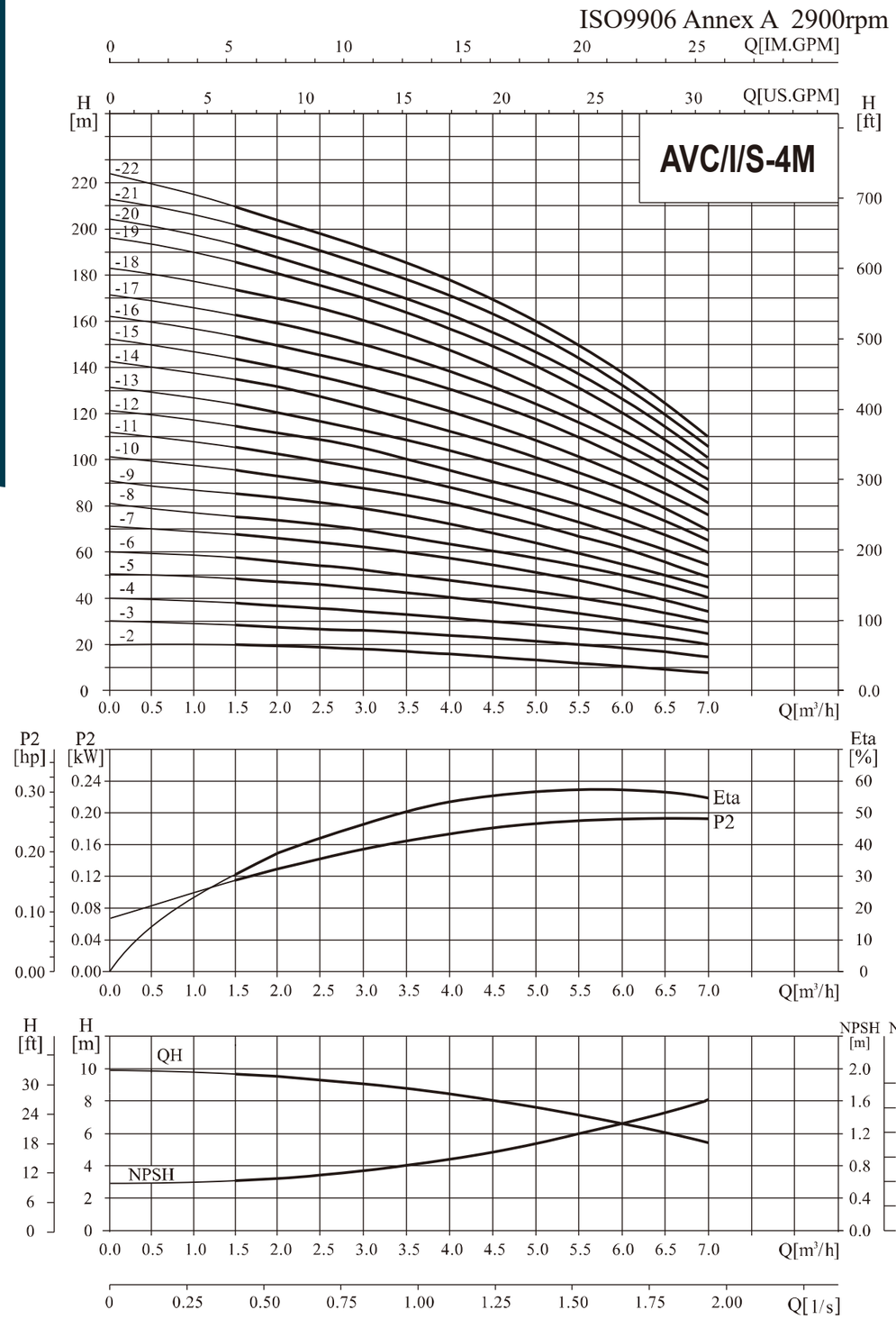


Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-3M02	258	225	483	148	117	23
AVC-3M03	276	225	501	148	117	23
AVC-3M04	294	225	519	148	117	24
AVC-3M05	312	225	537	148	117	24
AVC-3M06	330	225	555	148	117	25
AVC-3M07	348	225	573	148	117	26
AVC-3M08	376	245	621	170	142	30
AVC-3M09	394	245	639	170	142	31
AVC-3M10	412	245	657	170	142	32
AVC-3M11	430	245	675	170	142	32
AVC-3M12	448	245	693	170	142	33
AVC-3M13	466	245	711	170	142	34
AVC-3M15	502	245	747	170	142	35
AVC-3M17	548	290	838	190	155	41
AVC-3M19	584	290	874	190	155	42
AVC-3M21	620	290	910	190	155	45
AVC-3M23	656	290	946	190	155	46
AVC-3M25	692	290	982	190	155	47
AVC-3M27	728	290	1018	190	155	48
AVC-3M29	764	290	1054	190	155	49
AVC-3M31	810	345	1155	197	165	57
AVC-3M33	846	345	1191	197	165	58
AVC-3M36	900	345	1245	197	165	60

AVC-3M25 ~3M-36 sub-connection of pipeline has no oval flange connection.
The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.
**B2, D1, D2: subject to resulting height of the driven motor.

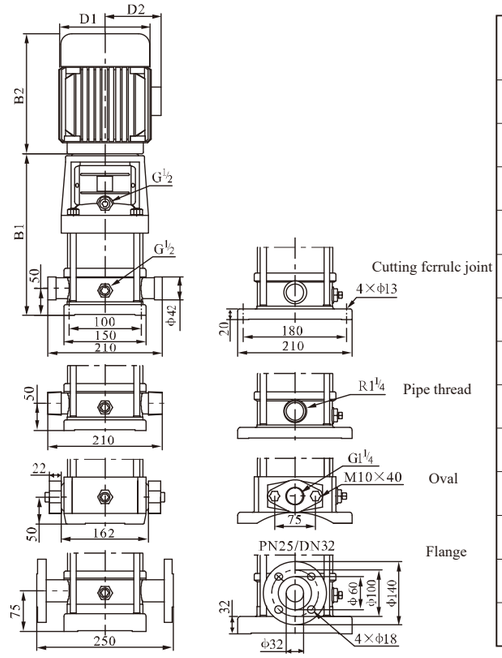
Performance curve



Performance table

Model	Driving motor (kW)	Q (m^3/h)	1.5	2.0	3.0	4.0	5.0	6.0	7.0
AVC/I/S-4M02	0.37	H (m)	19	18	17	15	13	10	8
AVC/I/S-4M03	0.55		28	27	26	24	20	18	13
AVC/I/S-4M04	0.75		38	36	34	32	27	24	19
AVC/I/S-4M05	1.1		47	45	43	40	34	31	23
AVC/I/S-4M06	1.1		56	54	52	48	41	37	28
AVC/I/S-4M07	1.5		66	63	61	56	48	43	33
AVC/I/S-4M08	1.5		74	72	70	64	55	50	38
AVC/I/S-4M10	2.2		96	90	87	81	71	62	48
AVC/I/S-4M12	2.2		114	108	104	95	85	75	58
AVC/I/S-4M14	3.0		136	126	122	112	101	89	68
AVC/I/S-4M16	3.0		152	144	140	129	115	101	78
AVC/I/S-4M19	4.0		183	171	168	153	137	122	93
AVC/I/S-4M22	4.0		211	200	192	178	160	138	108

Installation sketch



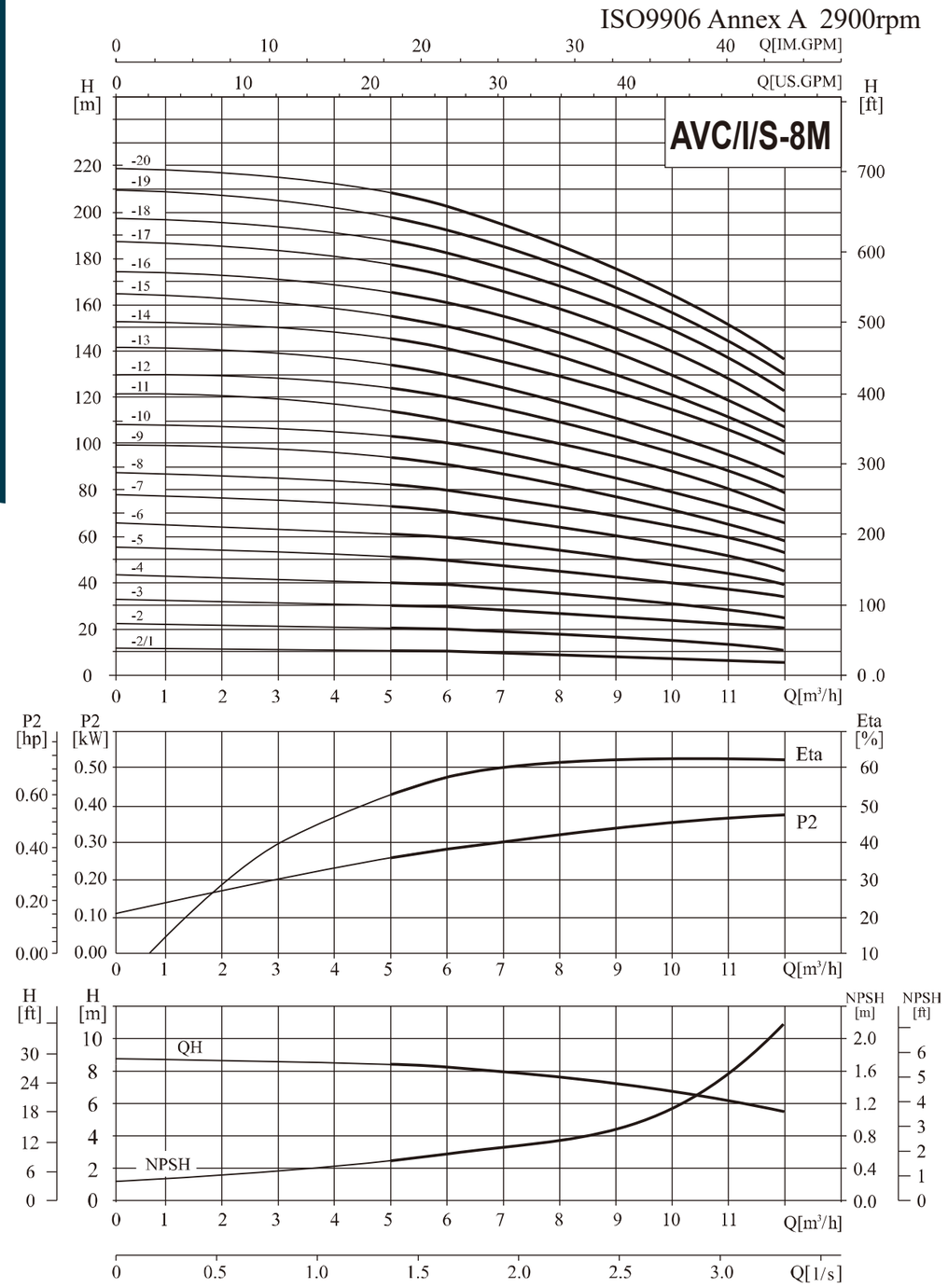
Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-4M02	276	225	501	148	117	22
AVC-4M03	303	225	528	148	117	24
AVC-4M04	340	245	585	170	142	30
AVC-4M05	367	245	612	170	142	32
AVC-4M06	394	245	639	170	142	33
AVC-4M07	431	290	721	190	155	39
AVC-4M08	458	290	748	190	155	40
AVC-4M10	512	290	802	190	155	43
AVC-4M12	566	290	856	190	155	44
AVC-4M14	630	345	975	197	165	52
AVC-4M16	684	345	1029	197	165	54
AVC-4M19	765	355	1120	230	188	56
AVC-4M22	846	355	1201	230	188	59

AVC-4M19 ~4M22 sub-connection of pipeline has no oval flange connection.
The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.

**B2, D1, D2: subject to resulting height of the driven motor.

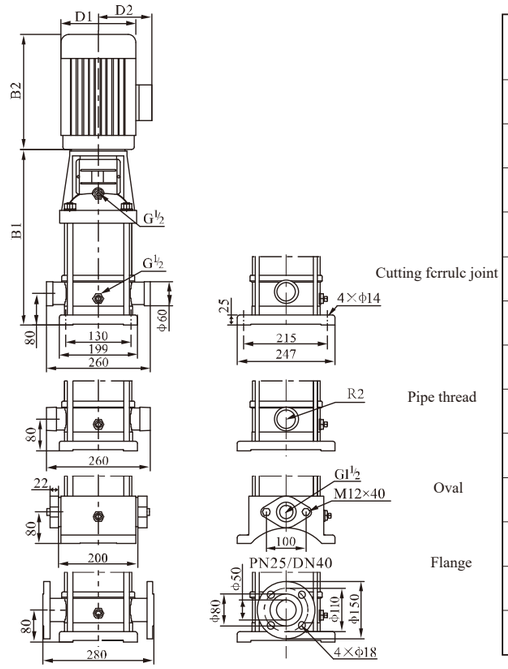
Performance curve



Performance table

Model	Driving motor (kW)	Q (m^3/h)	5	6	7	8	9	10	11	12
AVC/I/S-8M02-1	0.75	H (m)	10	9.5	9.3	9	8.5	8	7	6
AVC/I/S-8M02	0.75		20	19.5	19	18	17	16	14	13
AVC/I/S-8M03	1.1		30	29.5	28.5	27	25	24	21	19
AVC/I/S-8M04	1.5		41	39.5	38	36	34	32	28	26
AVC/I/S-8M05	2.2		52	50	48	45	42	40	36	32
AVC/I/S-8M06	2.2		62	60	57	54	51	48	43	39
AVC/I/S-8M08	3.0		83	80	77	73	69	65	58	52
AVC/I/S-8M10	4.0		104	100	97	92	87	81	73	65
AVC/I/S-8M12	4.0		124	120	116	111	104	92	87	78
AVC/I/S-8M14	5.5		145	141	136	130	122	113	102	92
AVC/I/S-8M16	5.5		166	161	156	148	139	130	118	106
AVC/I/S-8M18	7.5		187	182	175	167	157	146	134	120
AVC/I/S-8M20	7.5		208	202	195	186	175	163	150	135

Installation sketch

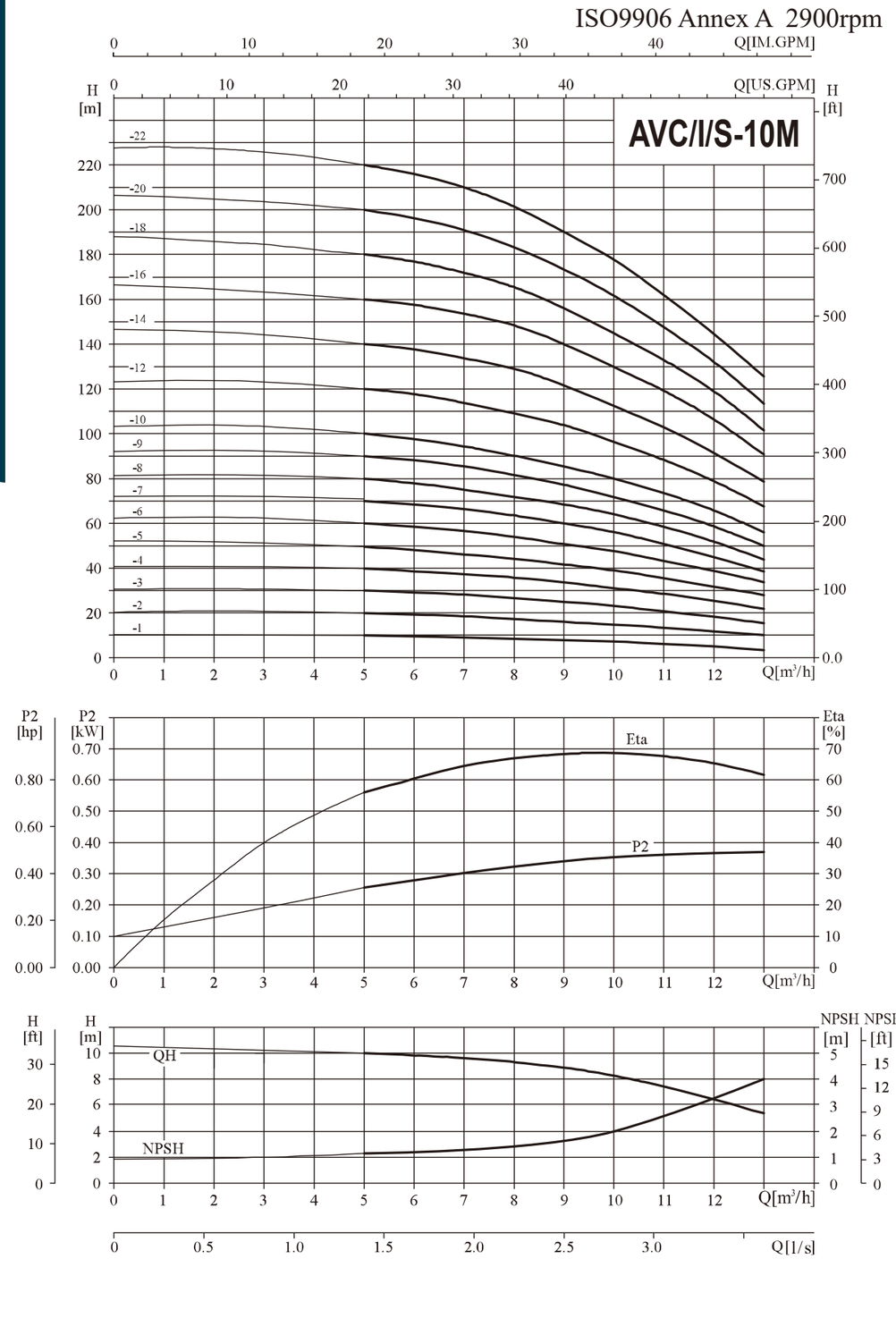


Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-8M02-1	347	245	592	170	142	33
AVC-8M02	347	245	592	170	142	33
AVC-8M03	377	245	622	170	142	35
AVC-8M04	417	290	707	190	155	42
AVC-8M05	447	290	737	190	155	46
AVC-8M06	477	290	767	190	155	47
AVC-8M08	547	345	892	197	165	55
AVC-8M10	607	355	962	230	188	67
AVC-8M12	667	355	1022	230	188	70
AVC-8M14	747	390	1137	260	208	85
AVC-8M16	807	390	1197	260	208	88
AVC-8M18	867	390	1257	260	208	98
AVC-8M20	927	390	1317	260	208	99

AVC-8M14 ~8M20 sub-connection of pipeline has no oval flange connection.
The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.
**B2, D1, D2: subject to resulting height of the driven motor.

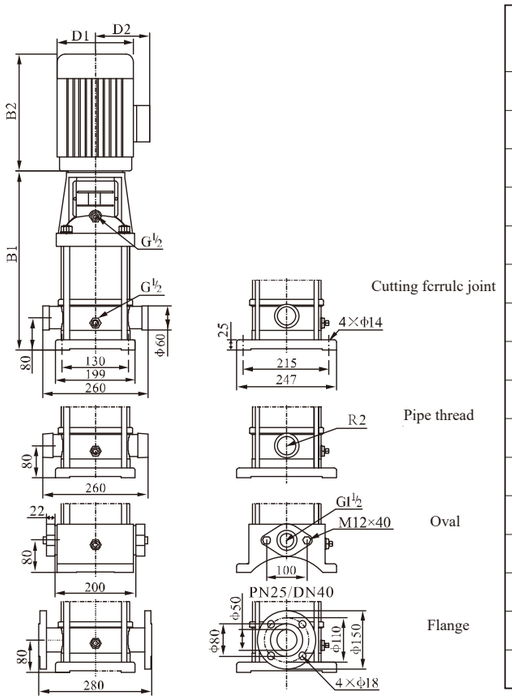
Performance curve



Performance table

Model	Driving motor (kW)	Q (m^3/h)	5	6	7	8	9	10	11	12	13
AVC/I/S-10M01	0.75	H (m)	9.7	9.3	8.9	8.3	7.7	7	6	5	4
AVC/I/S-10M02	0.75		19.5	19	18	17	16	15	13.5	11.5	10
AVC/I/S-10M03	1.1		29.5	29	28	27	25	23	21	18	16
AVC/I/S-10M04	1.5		39.5	38.5	37.5	36	34	31	28	25	22
AVC/I/S-10M05	2.2		49.5	48.5	47	44	42	39	35	32	28
AVC/I/S-10M06	2.2		60	58	56	54	51	48	43	39	34
AVC/I/S-10M07	3		70	68	66	63	60	56	51	45	39
AVC/I/S-10M08	3		80	78	75	73	69	64	58	52	44
AVC/I/S-10M09	3		90	87	85	81	77	72	66	58	50
AVC/I/S-10M10	4		100	97	95	90	85	80	74	66	56
AVC/I/S-10M12	4		120	117	114	109	104	96	89	79	68
AVC/I/S-10M14	5.5		140	137	134	129	122	113	103	92	79
AVC/I/S-10M16	5.5		160	158	153	148	140	129	119	106	91
AVC/I/S-10M18	7.5		180	177	172	166	156	145	133	119	102
AVC/I/S-10M20	7.5		200	196	191	184	173	162	147	132	114
AVC/I/S-10M22	7.5		220	216	210	202	190	178	162	145	126

Installation sketch

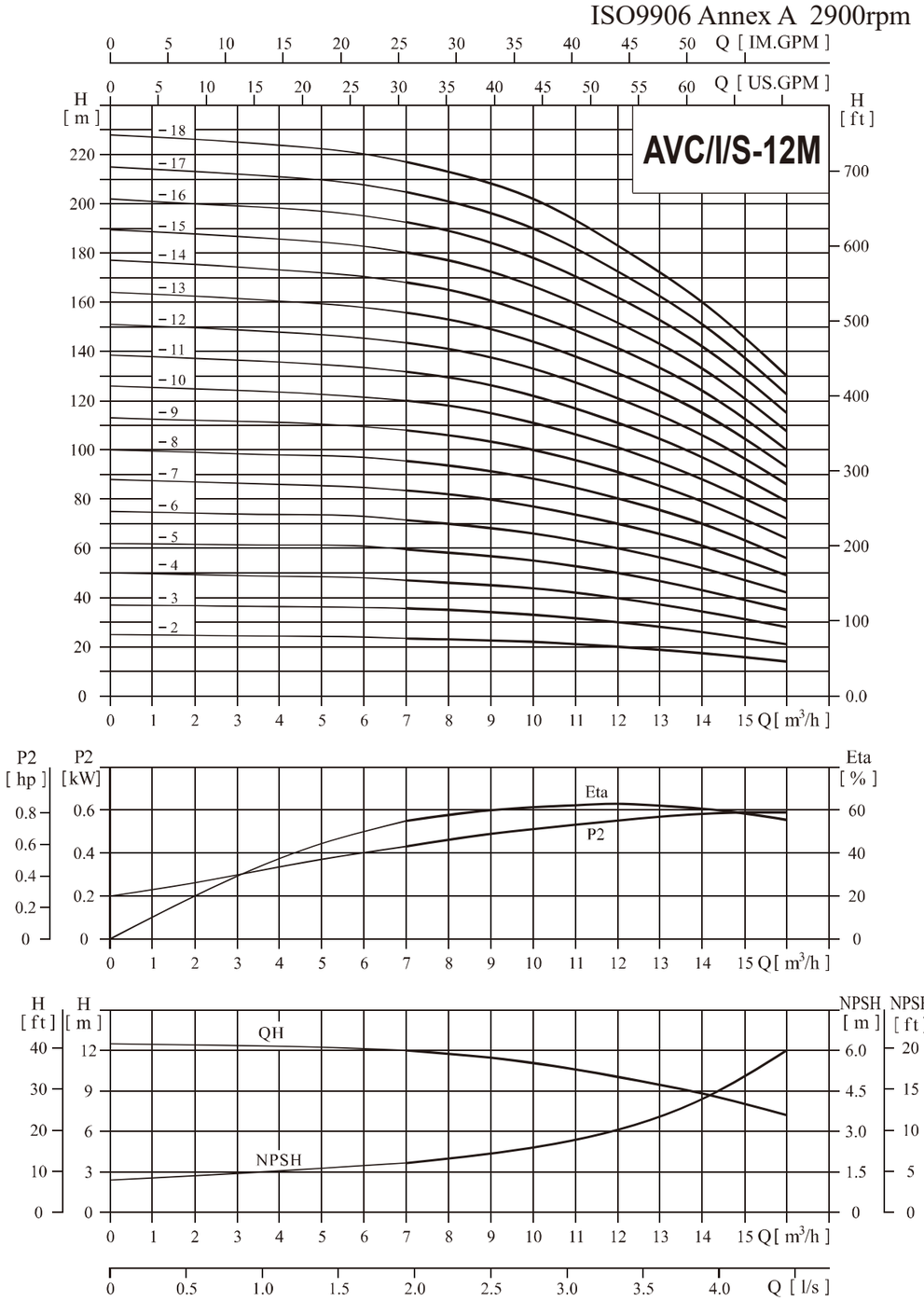


Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-10M01	347	245	592	170	142	40
AVC-10M02	347	245	592	170	142	41
AVC-10M03	377	245	622	170	142	43
AVC-10M04	417	290	707	190	155	49
AVC-10M05	447	290	737	190	155	53
AVC-10M06	477	290	767	190	155	54
AVC-10M07	517	345	862	197	165	64
AVC-10M08	547	345	892	197	165	65
AVC-10M09	577	345	922	197	165	66
AVC-10M10	607	355	962	230	188	74
AVC-10M12	667	355	1022	230	188	76
AVC-10M14	747	390	1137	260	208	100
AVC-10M16	807	390	1197	260	208	102
AVC-10M18	867	390	1257	260	208	107
AVC-10M20	927	390	1317	260	208	109
AVC-10M22	987	390	1377	260	208	111

AVC-10M16 ~10M22 sub-connection of pipeline has no oval flange connection.
The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.
**B2, D1, D2: subject to resulting height of the driven motor.

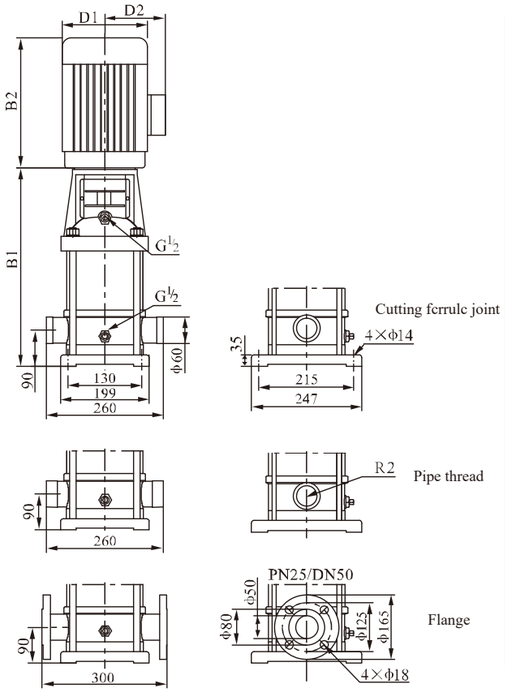
Performance curve



Performance table

Model	Driving motor (kW)	Q (m^3/h)	7	8	9	10	11	12	13	14	15	16
AVC/I/S-12M02	1.5	H (m)	23.5	23	22.5	22	21	20	18.5	17	15.5	14
AVC/I/S-12M03	2.2		35.5	35	34	33	31.5	30	28	26	23.5	21
AVC/I/S-12M04	3		47	46	45	44	42	40	37	34	31	28
AVC/I/S-12M05	3		59.5	58	56.5	55	52.5	50	46.5	43	39	35
AVC/I/S-12M06	4		71.5	70	68	66	63	60	56	52	47	42
AVC/I/S-12M07	5.5		83.5	82	79.5	77	73.5	70	65.5	61	55	49
AVC/I/S-12M08	5.5		95.5	94	91	88	84	80	75	70	63	56
AVC/I/S-12M09	5.5		108	106	103	100	95.5	91	85	79	71.5	64
AVC/I/S-12M10	7.5		120	118	114.5	111	106	101	94.5	88	80	72
AVC/I/S-12M12	7.5		143.5	141	137	133	127	121	113.5	106	96	86
AVC/I/S-12M14	11		168	165	160	155	148	141	132.5	124	112	100
AVC/I/S-12M16	11		192.5	189	183.5	178	170	162	152	142	128.5	115
AVC/I/S-12M18	11		217	213	207.5	202	192.5	183	171.5	160	145	130

Installation sketch

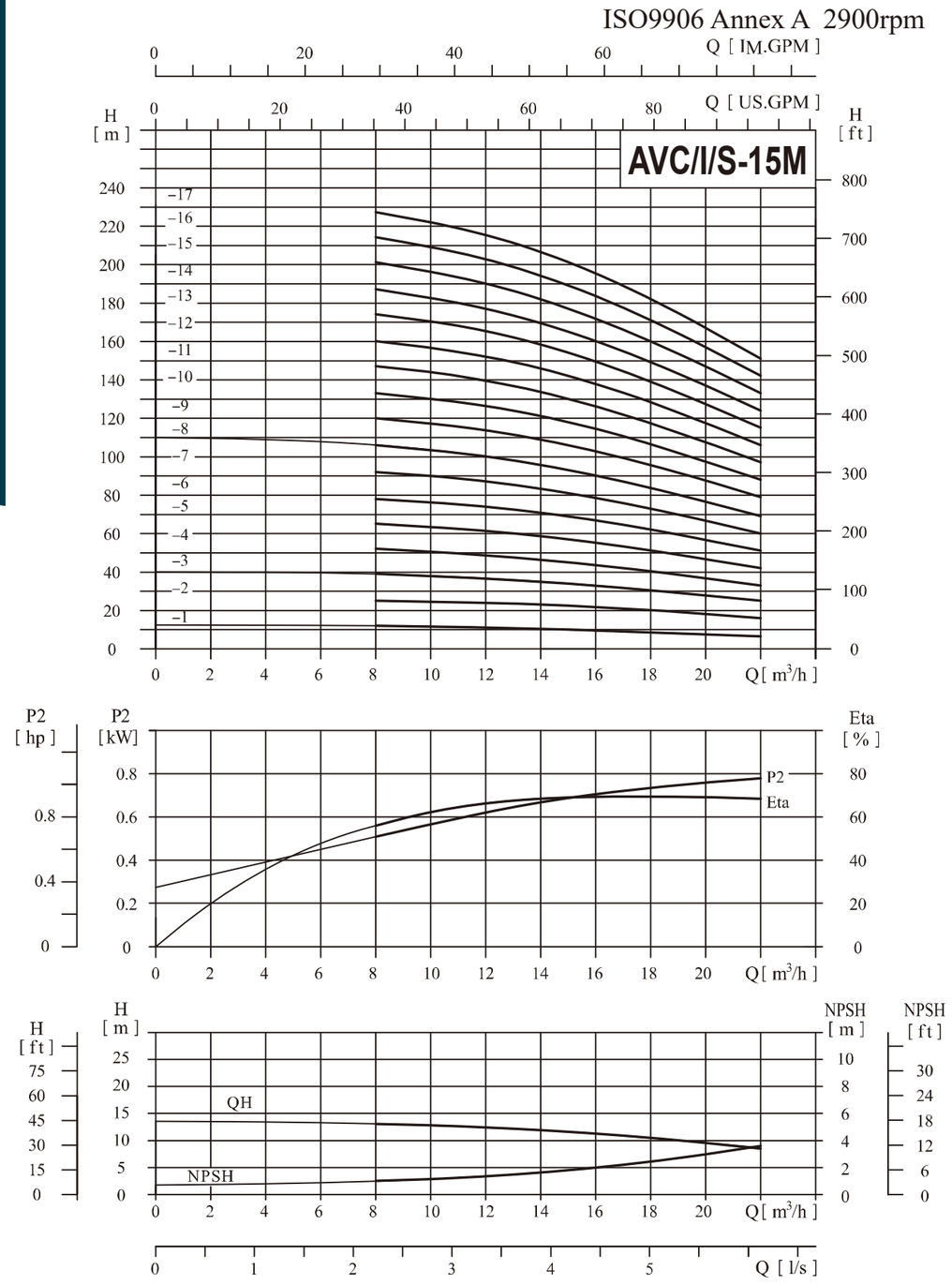


Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-12M02	367	290	657	190	155	40
AVC-12M03	397	290	687	190	155	45
AVC-12M04	437	345	782	197	165	55
AVC/12M05	467	345	812	197	165	57
AVC-12M06	497	355	852	230	188	66
AVC-12M07	547	390	937	260	208	77
AVC-12M08	577	390	967	260	208	78
AVC-12M09	607	390	997	260	208	80
AVC-12M10	637	390	1027	260	208	88
AVC-12M12	697	390	1087	260	208	92
AVC-12M14	845	500	1345	330	255	162
AVC-12M16	905	500	1405	330	255	167
AVC-12M18	965	500	1465	330	255	168

The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.
**B2, D1, D2: subject to resulting height of the driven motor.

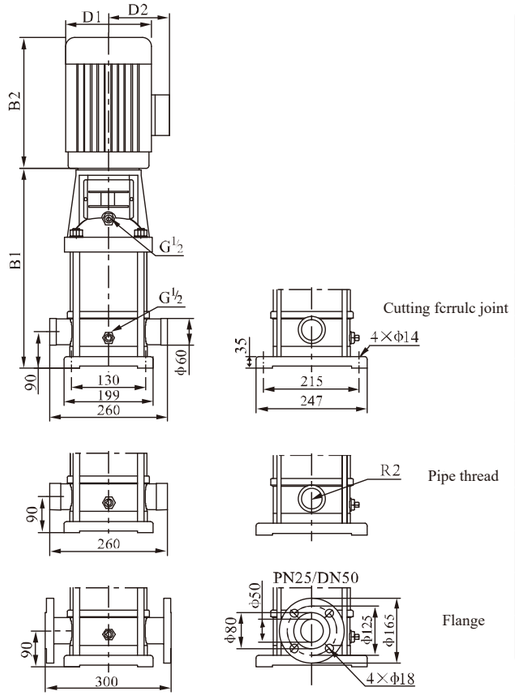
Performance curve



Performance table

Model	Driving motor (kW)	Q (m^3/h)	8	10	12	14	15	16	18	20	22
AVC/I/S-15M01	1.1		12	11.5	11	10.5	10	9.5	8.5	7.5	6.5
AVC/I/S-15M02	2.2		25	24.5	24	23	22.5	21.5	20	18	16
AVC/I/S-15M03	3		39	38	37	35	34	33	30	28	25
AVC/I/S-15M04	4		52	51	49	46	45	44	40	37	33
AVC/I/S-15M05	4		65	63	61	59	57	55	51	47	42
AVC/I/S-15M06	5.5		78	76	74	71	69	67	62	57	51
AVC/I/S-15M07	5.5	H (m)	92	90	87	83	81	79	73	67	60
AVC/I/S-15M08	7.5		106	103	100	96	93	90	84	77	69
AVC/I/S-15M09	7.5		120	117	114	109	106	103	95	87	79
AVC/I/S-15M10	11		133	130	126	121	118	114	106	97	88
AVC/I/S-15M12	11		160	157	152	146	142	138	128	117	106
AVC/I/S-15M14	11		187	182	177	169	165	160	149	137	124
AVC/I/S-15M17	15		227	222	215	206	201	195	182	167	151

Installation sketch

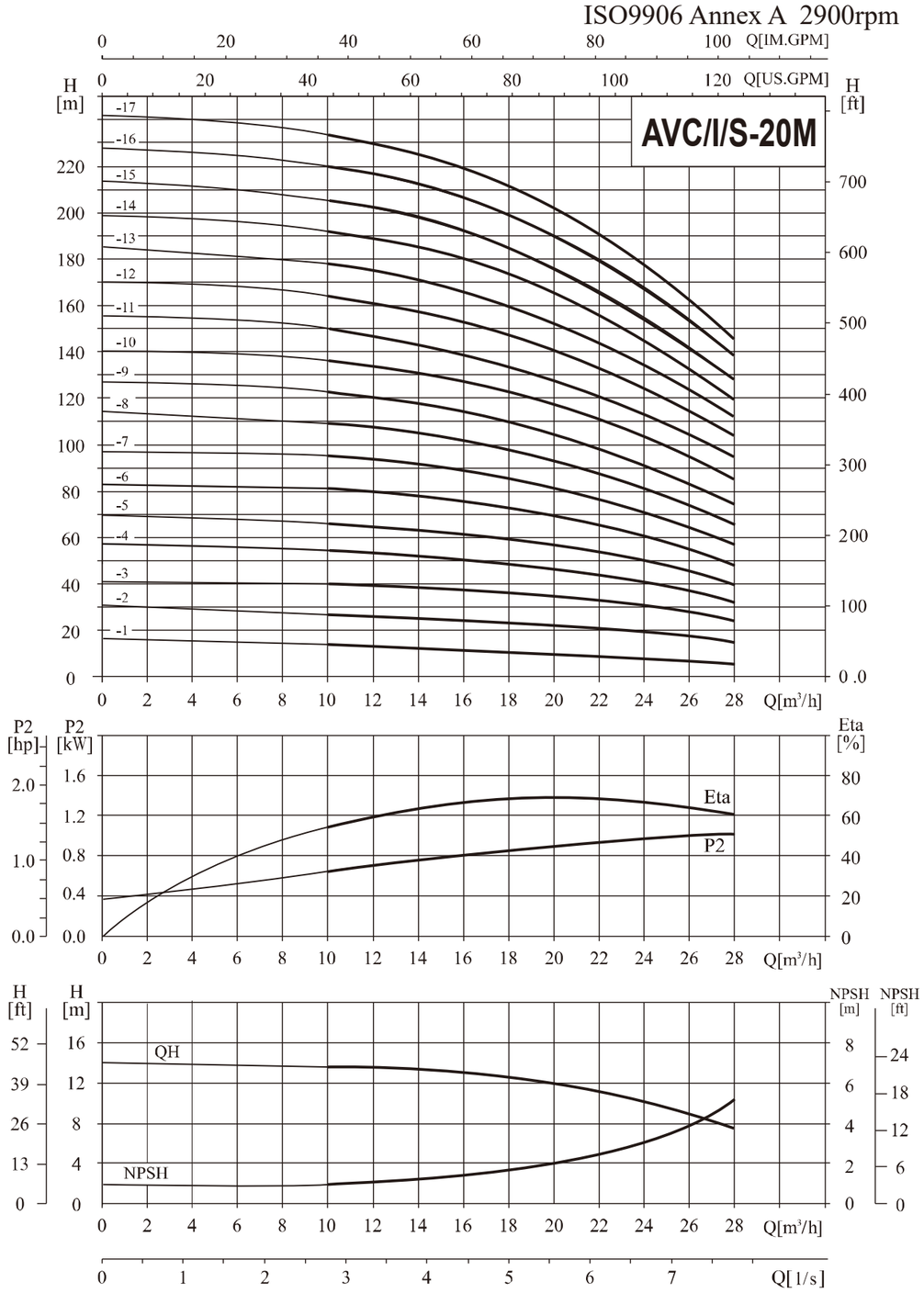


Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-15M01	387	245	632	170	142	33
AVC-15M02	397	290	687	190	155	42
AVC-15M03	452	345	797	197	165	51
AVC-15M04	497	355	852	230	188	60
AVC-15M05	542	355	897	230	188	62
AVC-15M06	607	390	997	260	208	78
AVC-15M07	652	390	1042	260	208	80
AVC-15M08	697	390	1087	260	208	86
AVC-15M09	742	390	1132	260	208	88
AVC-15M10	875	500	1375	330	255	166
AVC-15M12	965	500	1465	330	255	170
AVC-15M14	1055	500	1555	330	255	173
AVC-15M17	1190	500	1690	330	255	186

The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.
**B2, D1, D2: subject to resulting height of the driven motor.

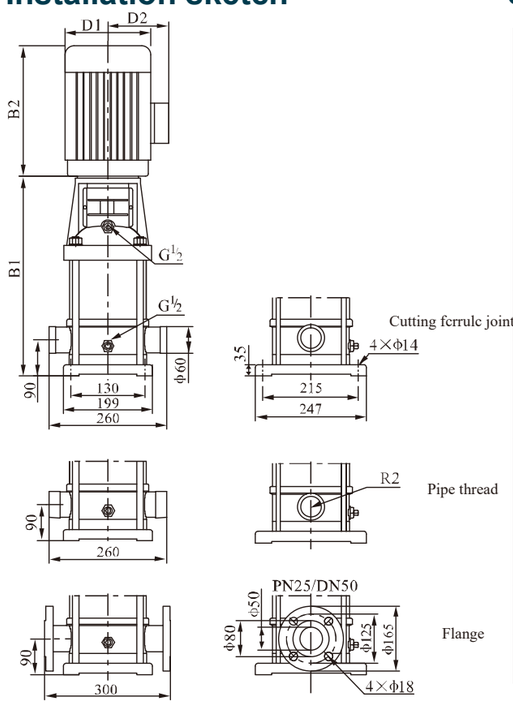
Performance curve



Performance table

Model	Driving motor (kW)	Q (m^3/h)	10	12	14	16	18	20	22	24	26	28
AVC/I/S-20M01	1.1		13.5	13	12.5	12	11	10	9	8	7	6
AVC/I/S-20M02	2.2		27	26.5	26	25	24	23	22	20	18	15
AVC/I/S-20M03	4.0		40	39.5	39	38	37	35	33	30	27	24
AVC/I/S-20M04	5.5		54	53	52	51	49	47	44	41	37	33
AVC/I/S-20M05	5.5	H (m)	67	66	64	62	60	58	55	50	45	40
AVC/I/S-20M06	7.5		81	79	77	75	73	70	66	61	55	49
AVC/I/S-20M07	7.5		95	93	91	89	86	82	77	71	65	58
AVC/I/S-20M08	11		109	107	105	102	99	94	89	82	75	67
AVC/I/S-20M10	11		136	134	131	128	124	118	111	103	95	85
AVC/I/S-20M12	15		164	162	158	154	149	142	133	124	114	102
AVC/I/S-20M14	15		192	189	185	180	174	166	156	145	133	119
AVC/I/S-20M17	18.5		234	230	225	219	212	202	190	177	162	145

Installation sketch



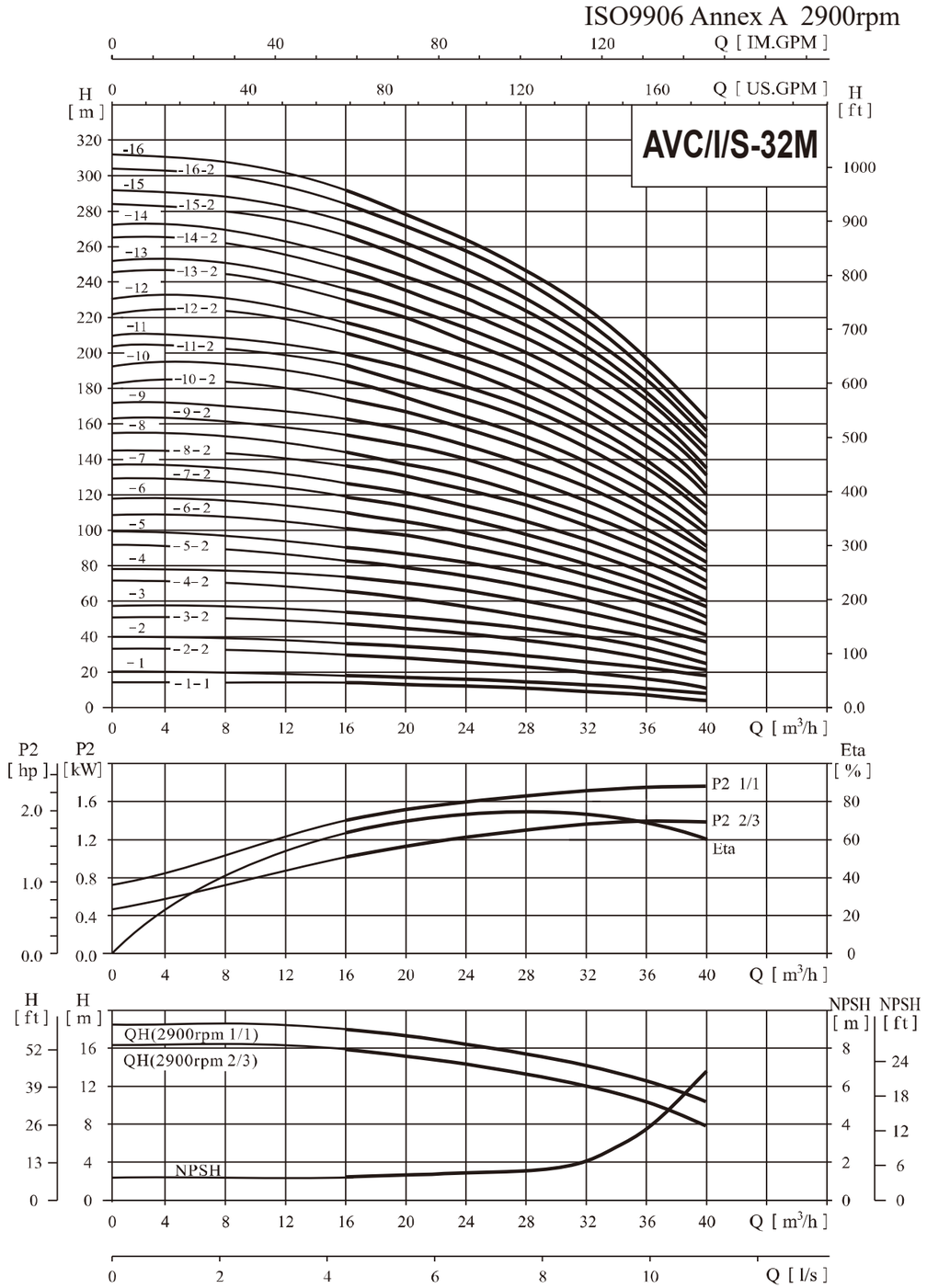
Size and weight

Model	Size(mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-20M01	387	245	632	170	142	33
AVC-20M02	397	290	687	190	155	42
AVC-20M03	452	355	807	230	188	58
AVC-20M04	517	390	907	260	208	74
AVC-20M05	562	390	952	260	208	75
AVC-20M06	607	390	997	260	208	84
AVC-20M07	652	390	1042	260	208	86
AVC-20M08	785	500	1285	330	255	157
AVC-20M10	875	500	1375	330	255	162
AVC-20M12	965	500	1465	330	255	176
AVC-20M14	1055	500	1555	330	255	178
AVC-20M17	1190	550	1740	330	255	201

The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.

**B2, D1, D2: subject to resulting height of the driven motor.

Performance curve

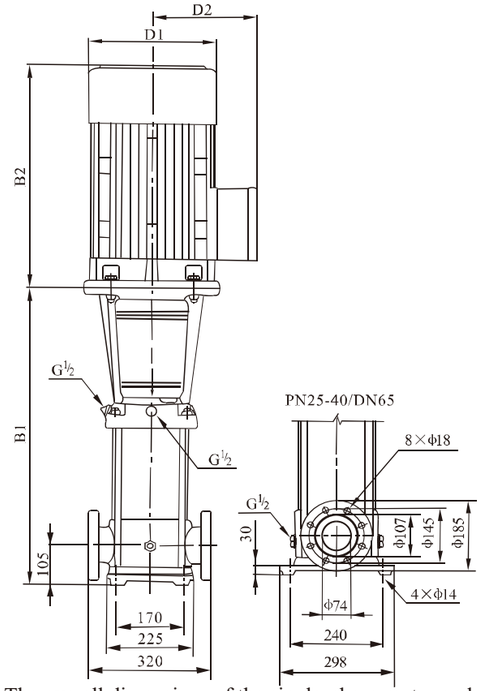


Performance table

Model	Driving motor (kW)	Q (m^3/h)	16	20	24	28	32	36	40
AVC/I/S-32M01-1	1.5	H (m)	14	13	12	11	9	7	4
AVC/I/S-32M01	2.2		18	17	15	14	13	11	8
AVC/I/S-32M02-2	3.0		29	28	26	23	20	16	11
AVC/I/S-32M02	4.0		36	34	32	29	27	23	18
AVC/I/S-32M03-2	5.5		47	44	41	38	33	28	21
AVC/I/S-32M03	5.5		54	51	48	44	40	35	27
AVC/I/S-32M04-2	7.5		65	62	58	53	46	40	30
AVC/I/S-32M04	7.5		72	69	65	59	53	47	37
AVC/I/S-32M05-2	11		83	79	74	68	60	52	41
AVC/I/S-32M05	11		90	86	81	74	67	59	47
AVC/I/S-32M06-2	11		101	97	90	83	74	65	51
AVC/I/S-32M06	11		108	104	97	90	81	72	57
AVC/I/S-32M07-2	15		119	114	107	98	88	78	60
AVC/I/S-32M07	15		126	121	113	105	95	85	67
AVC/I/S-32M08-2	15		136	131	123	114	102	90	71
AVC/I/S-32M08	15		144	138	130	120	109	97	77

Model	Driving motor (kW)	Q (m^3/h)	16	20	24	28	32	36	40
AVC/I/S-32M09-2	18.5	H (m)	154	148	140	129	117	102	82
AVC/I/S-32M09	18.5		162	156	147	136	124	109	88
AVC/I/S-32M10-2	18.5		175	166	157	146	131	115	91
AVC/I/S-32M10	18.5		182	173	164	152	138	122	98
AVC/I/S-32M11-2	22		193	184	173	164	146	128	102
AVC/I/S-32M11	22		200	191	180	168	153	135	109
AVC/I/S-32M12-2	22		211	201	189	178	160	140	113
AVC/I/S-32M12	22		218	208	196	184	167	147	120
AVC/I/S-32M13-2	30		230	218	206	193	174	153	124
AVC/I/S-32M13	30		237	225	213	200	181	160	131
AVC/I/S-32M14-2	30		247	235	222	210	189	165	135
AVC/I/S-32M14	30		255	242	229	216	196	172	142
AVC/I/S-32M15-2	30		266	253	239	224	203	178	145
AVC/I/S-32M15	30		274	260	246	231	210	185	152
AVC/I/S-32M16-2	30		284	270	255	240	218	190	156
AVC/I/S-32M16	30		292	277	262	246	225	197	163

Installation sketch



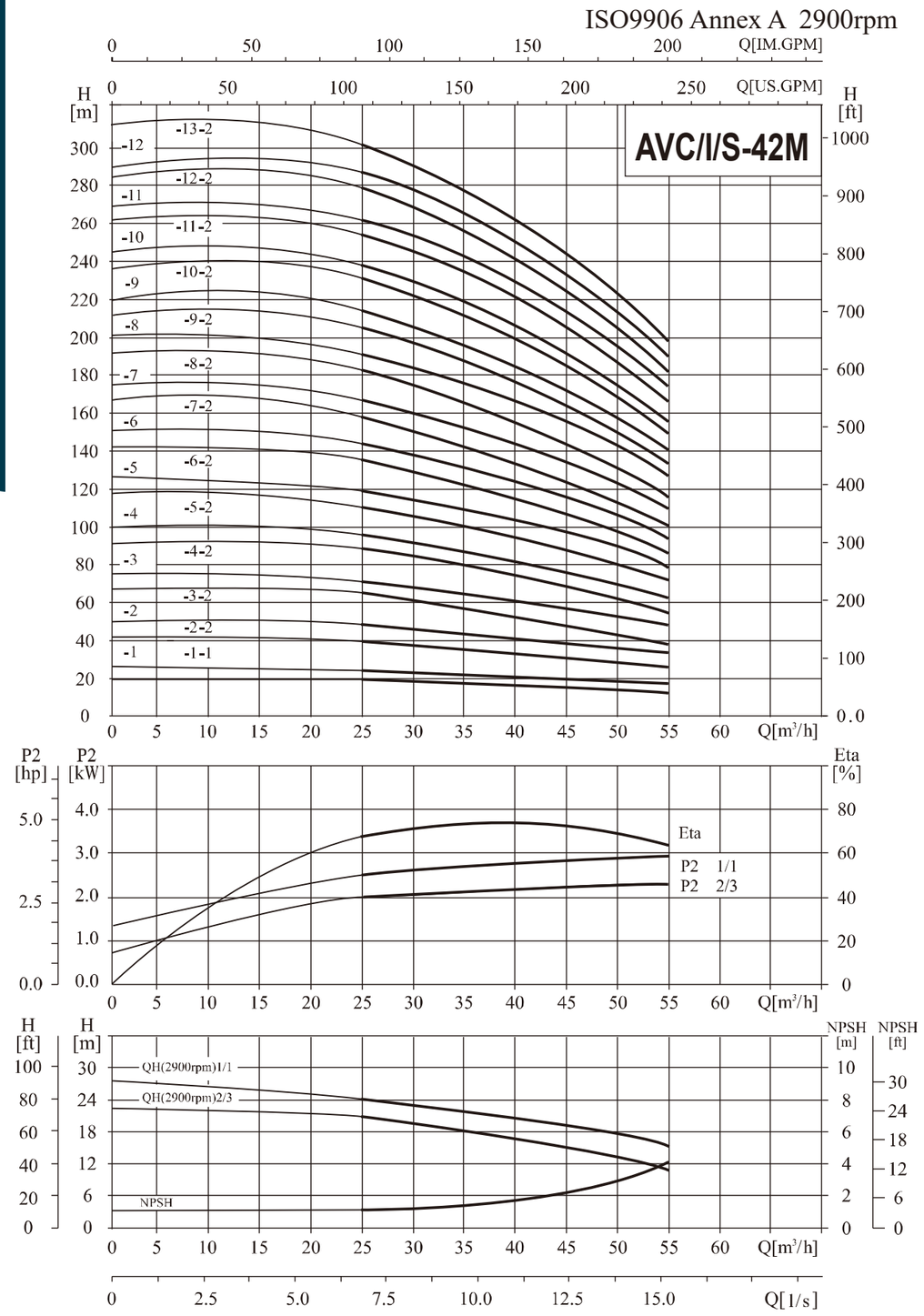
The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.

**B2, D1, D2: subject to resulting height of the driven motor.

Size and weight

Model	Size(mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-32M01-1/32M01	505	290	795	190	155	63/67
AVC-32M02-2/32M02	575	345/355	920/930	197/230	165/180	76/84
AVC-32M03-2/32M03	645	390	1035	260	208	99
AVC-32M04-2/32M04	715	390	1105	260	208	108
AVC-32M05-2/32M05	890	500	1390	330	255	187
AVC-32M06-2/32M06	960	500	1460	330	255	193
AVC-32M07-2/32M07	1030	500	1530	330	255	205
AVC-32M08-2/32M08	1100	500	1600	330	255	207
AVC-32M09-2/32M09	1170	550	1720	330	255	226
AVC-32M10-2/32M10	1240	550	1790	330	255	232
AVC-32M11-2/32M11	1310	575	1885	360	285	278
AVC-32M12-2/32M12	1380	575	1955	360	285	282
AVC-32M13-2/32M13	1450	650	2100	400	310	343
AVC-32M14-2/32M14	1520	650	2170	400	310	347
AVC-32M15-2/32M15	1590	650	2240	400	310	350
AVC-32M16-2/32M16	1660	650	2310	400	310	356

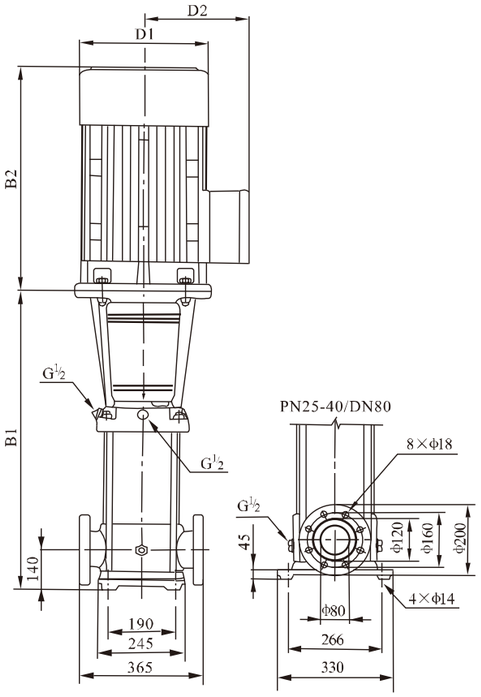
Performance curve



Performance table

Model	Driving motor (kW)	Q (m^3/h)	25	30	35	40	42	45	50	55
AVC/I/S-42M01-1	3.0		20	19	18	17	16	15	13	11
AVC/I/S-42M01	4.0		24	23	22	21	20	19	18	16
AVC/I/S-42M02-2	5.5		40	38	36	33	32	30	27	23
AVC/I/S-42M02	7.5		48	46	44	42	41	39	35	31
AVC/I/S-42M03-2	11		63	61	58	54	52	50	44	38
AVC/I/S-42M03	11		71	69	66	63	61	58	53	47
AVC/I/S-42M04-2	15		87	84	80	75	73	69	62	54
AVC/I/S-42M04	15		95	92	88	84	81	78	71	62
AVC/I/S-42M05-2	18.5		111	107	102	96	93	88	80	69
AVC/I/S-42M05	18.5	H (m)	119	115	110	105	101	97	88	78
AVC/I/S-42M06-2	22		135	130	124	117	113	108	97	85
AVC/I/S-422M06	22		143	138	132	125	122	116	106	93
AVC/I/S-42M07-2	30		158	152	146	138	134	127	115	100
AVC/I/S-42M07	30		166	161	154	146	142	135	124	109
AVC/I/S-42M08-2	30		182	175	168	159	154	146	133	116
AVC/I/S-42M08	30		190	184	176	167	162	154	141	124
AVC/I/S-42M09-2	30		205	198	190	180	174	166	150	132
AVC/I/S-42M09	37		214	207	198	188	183	174	159	140
AVC/I/S-42M10-2	37		230	221	212	200	194	185	168	147
AVC/I/S-42M10	37		238	230	220	209	203	193	177	155
AVC/I/S-42M11-2	45		255	246	236	223	217	206	188	165
AVC/I/S-42M11	45		263	255	244	232	225	214	196	173
AVC/I/S-42M12-2	45		280	270	259	245	238	226	206	181
AVC/I/S-42M12	45		289	280	268	255	247	236	216	190
AVC/I/S-42M13-2	45		305	294	282	267	259	247	225	198

Installation sketch

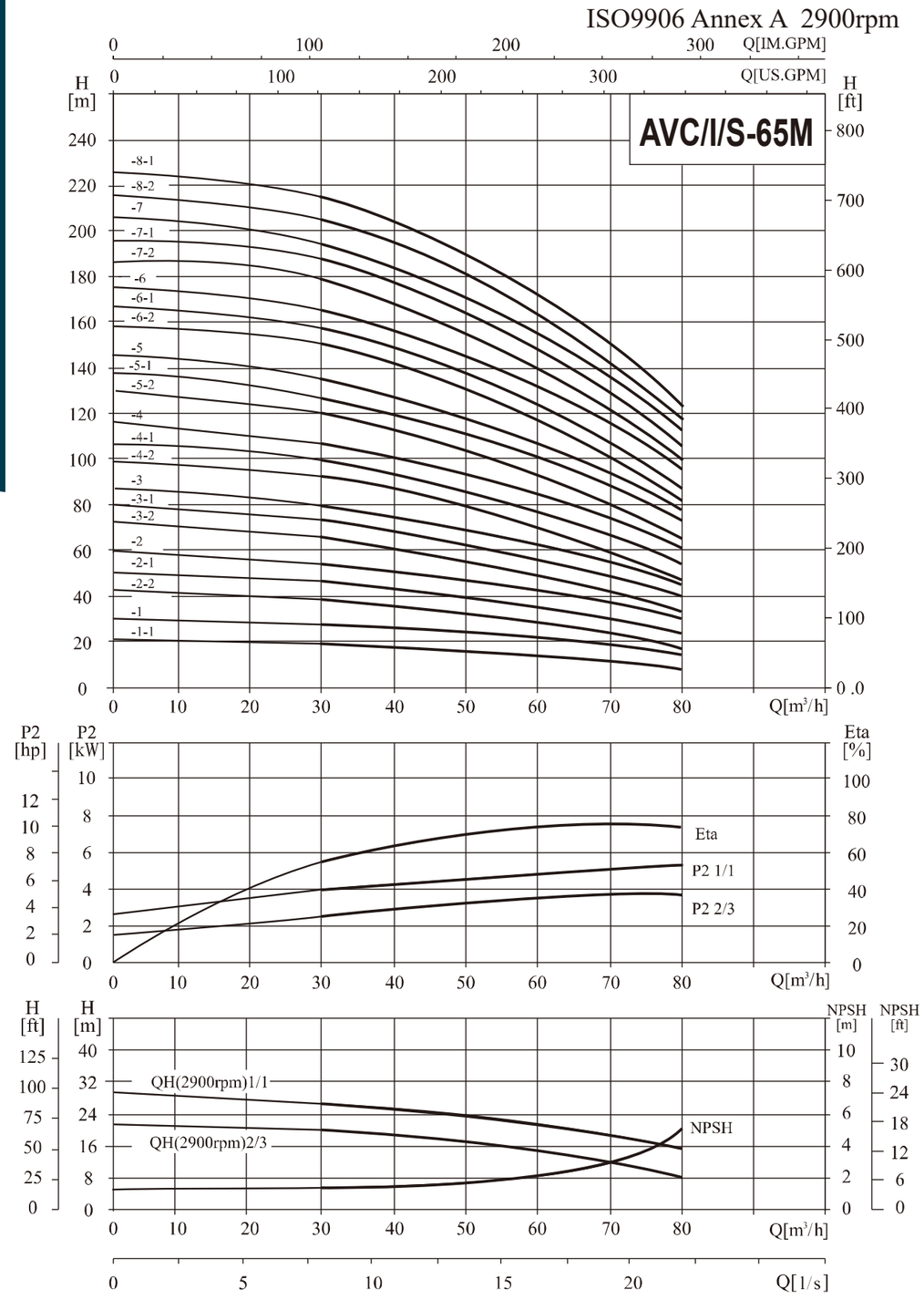


Size and weight

Model	Size(mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-42M01-1 AVC-42M01	561	345/355	906/916	197/230	165/188	84/91
AVC-42M02-2 AVC-42M02	641	390	1031	260	208	106/111
AVC-42M03-2 AVC-42M03	826	500	1326	330	255	187
AVC-42M04-2 AVC-42M04	906	500	1406	330	255	203
AVC-42M05-2 AVC-42M05	986	550	1536	330	255	225
AVC-42M06-2 AVC-422M06	1066	575	1641	360	285	266
AVC-42M07-2 AVC-42M07	1146	650	1796	400	310	326
AVC-42M08-2 AVC-42M08	1226	650	1876	400	310	330
AVC-42M09-2 AVC-42M09	1306	650	1956	400	310	334
AVC-42M10-2 AVC-42M10	1386	650	2036	400	310	360
AVC-42M11-2 AVC-42M11	1466	685	2151	450	345	430
AVC-42M12-2 AVC-42M12	1546	685	2231	450	345	438
AVC-42M13-2	1626	685	2311	450	345	444

The overall dimensions of explosion-proof motor is a little different. Pls contact us for details.
**B2, D1, D2: subject to resulting height of the driven motor.

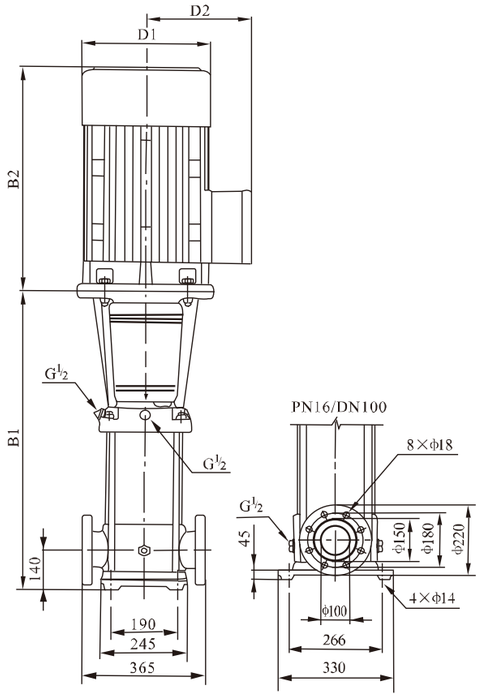
Performance curve



Performance table

Model	Driving motor (kW)	Q (m^3/h)	30	40	50	60	65	70	80
AVC/I/S-65M01-1	4.0	H (m)	19	18	16	14	13	11	8
AVC/I/S-65M01	5.5		27	25	23	21	20	18	15
AVC/I/S-65M02-2	7.5		39	36	33	29	26	23	17
AVC/I/S-65M02-1	11		46	44	40	36	33	30	24
AVC/I/S-65M02	11		53	51	47	43	40	37	30
AVC/I/S-65M03-2	15		66	62	56	50	46	41	32
AVC/I/S-65M03-1	15		73	69	63	57	53	48	39
AVC/I/S-65M03	18.5		80	76	70	64	60	55	46
AVC/I/S-65M04-2	18.5		92	87	80	71	66	60	47
AVC/I/S-65M04-1	22		100	94	87	78	73	67	54
AVC/I/S-65M04	22		107	101	94	85	80	74	61
AVC/I/S-65M05-2	30		121	114	105	95	88	80	64
AVC/I/S-65M05-1	30		128	121	112	102	95	87	71
AVC/I/S-65M05	30		136	129	119	109	102	94	78
AVC/I/S-65M06-2	30		150	142	131	118	110	101	81
AVC/I/S-65M06-1	37		157	149	138	125	117	108	88
AVC/I/S-65M06	37		164	156	145	132	124	115	95
AVC/I/S-65M07-2	37		179	169	156	141	132	121	99
AVC/I/S-65M07-1	37		186	176	163	148	139	128	106
AVC/I/S-65M07	45		193	183	170	155	146	135	112
AVC/I/S-65M08-2	45		207	196	182	164	154	142	116
AVC/I/S-65M08-1	45		215	203	189	171	161	149	123

Installation sketch

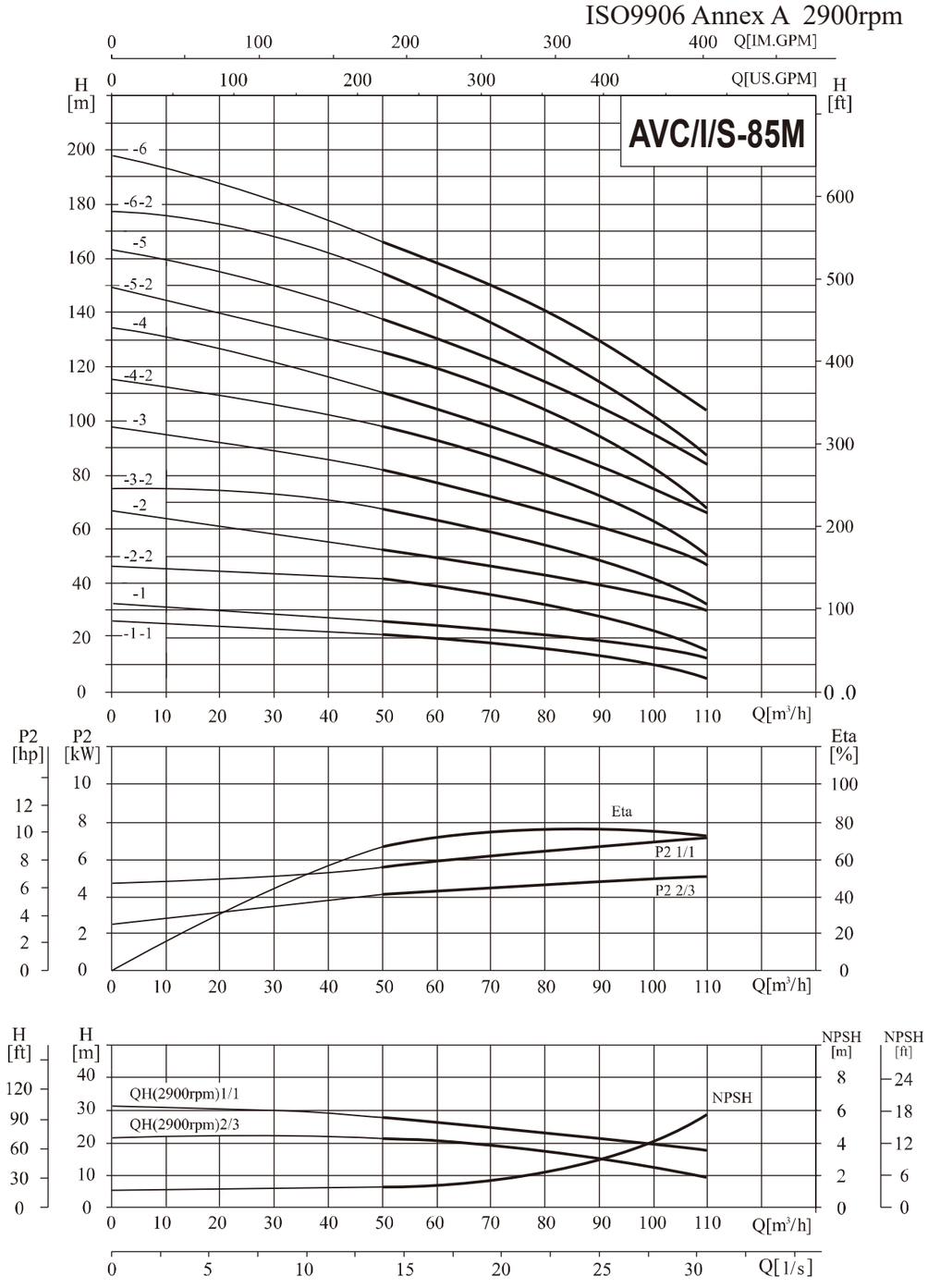


Size and weight

Model	Size(mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-65M01-1	561	355	916	230	188	98
AVC-65M01	561	390	951	260	208	110
AVC-65M02-2	644	390	1034	260	208	115
AVC-65M02-1	754	500	1254	330	255	197
AVC-65M02	754	500	1254	330	255	197
AVC-65M03-2	836	500	1336	330	255	206
AVC-65M03-1	836	500	1336	330	255	207
AVC-65M03	836	550	1386	330	255	232
AVC-65M04-2	919	550	1469	330	255	239
AVC-65M04-1	919	575	1494	360	285	272
AVC-65M04	919	575	1494	360	285	272
AVC-65M05-2	1001	650	1651	400	310	334
AVC-65M05-1	1001	650	1651	400	310	334
AVC-65M05	1001	650	1651	400	310	335
AVC-65M06-2	1084	650	1734	400	310	340
AVC-65M06-1	1084	650	1734	400	310	365
AVC-65M06	1084	650	1734	400	310	365
AVC-65M07-2	1166	650	1816	400	310	370
AVC-65M07-1	1166	650	1816	400	310	370
AVC-65M07	1166	685	1851	460	340	437
AVC-65M08-2	1248	685	1933	460	340	440
AVC-65M08-1	1248	685	1933	460	340	440

The overall dimensions of explosion-proof motor is a little different. Pls contact us for details.
**B2, D1, D2: subject to resulting height of the driven motor.

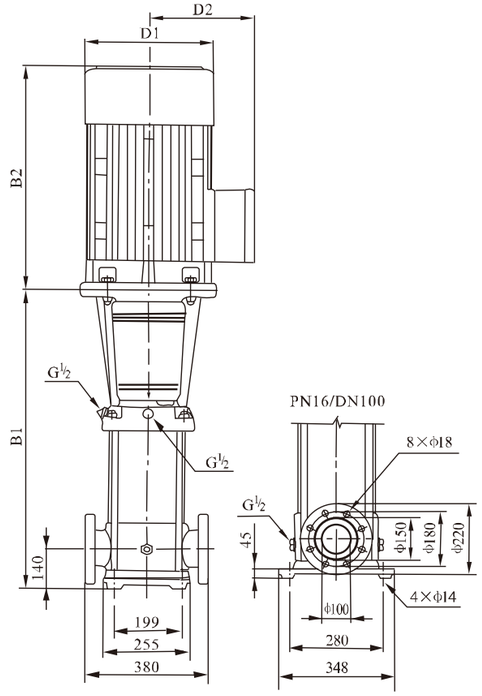
Performance curve



Performance table

Model	Driving motor (kW)	Q (m^3/h)	50	60	70	80	85	90	100	110
AVC/I/S-85M01-1	5.5	H (m)	22	19	17	16	14	13	10	6
AVC/I/S-85M01	7.5		25	24	22	21	20	19	16	12
AVC/I/S-85M02-2	11		41	39	36	32	30	28	22	15
AVC/I/S-85M02	15		53	50	47	44	41	40	36	30
AVC/I/S-85M03-2	18.5		68	65	60	55	52	49	41	32
AVC/I/S-85M03	22		81	77	72	67	64	62	55	48
AVC/I/S-85M04-2	30		98	93	87	80	75	72	62	50
AVC/I/S-85M04	30		110	105	100	92	86	84	76	66
AVC/I/S-85M05-2	37		126	120	113	104	98	93	81	68
AVC/I/S-85M05	37		139	131	124	115	110	106	94	83
AVC/I/S-85M06-2	45		155	148	139	129	122	117	102	86
AVC/I/S-85M06	45		168	160	150	141	134	130	117	103

Installation sketch

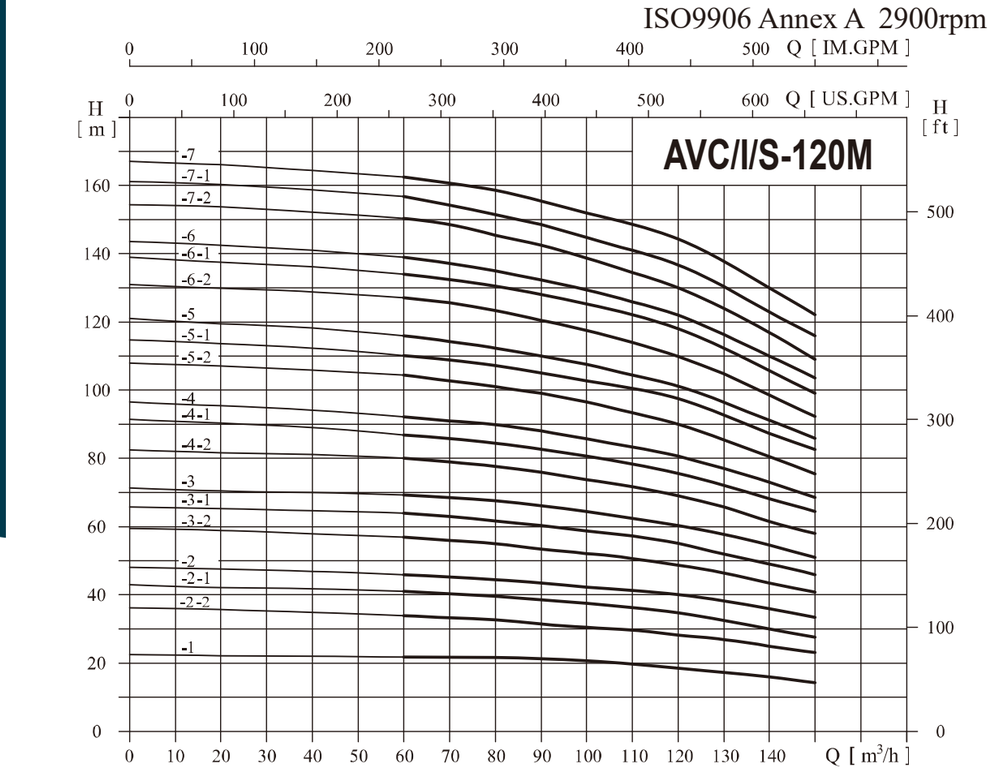


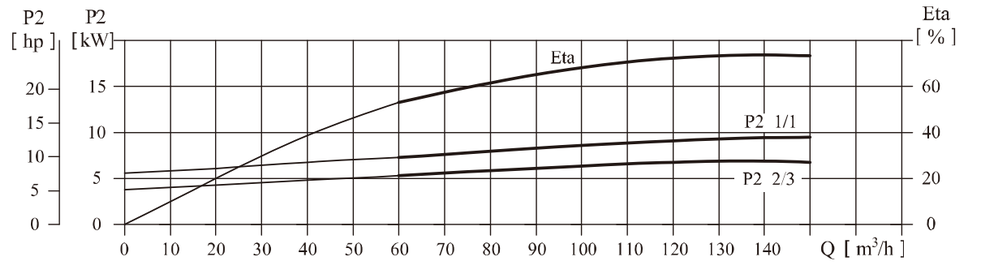
Size and weight

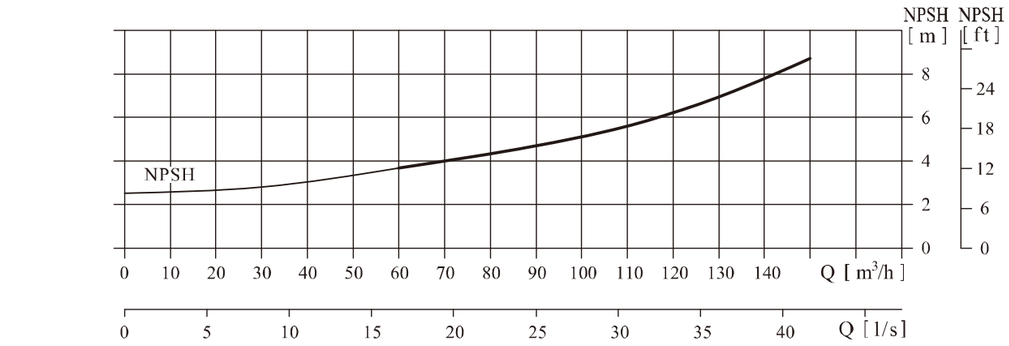
Model	Size(mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-85M01-1	571	390	961	260	208	109
AVC-85M01	571	390	961	260	208	115
AVC-85M02-2	773	500	1273	330	255	185
AVC-85M02	773	500	1273	330	255	202
AVC-85M03-2	865	550	1415	330	255	225
AVC-85M03	865	575	1440	360	285	268
AVC-85M04-2	957	650	1607	400	310	328
AVC-85M04	957	650	1607	400	310	328
AVC-85M05-2	1049	650	1699	400	310	351
AVC-85M05	1049	650	1699	400	310	351
AVC-85M06-2	1141	685	1826	460	340	428
AVC-85M06	1141	685	1826	460	340	428

The overall dimensions of explosion-proof motor is a little different. Pls contact us for details.
（For AVC/I/S-85M series, PN25-40/DN100 standard flange is also available if required）
**B2, D1, D2: subject to resulting height of the driven motor.

Performance curve



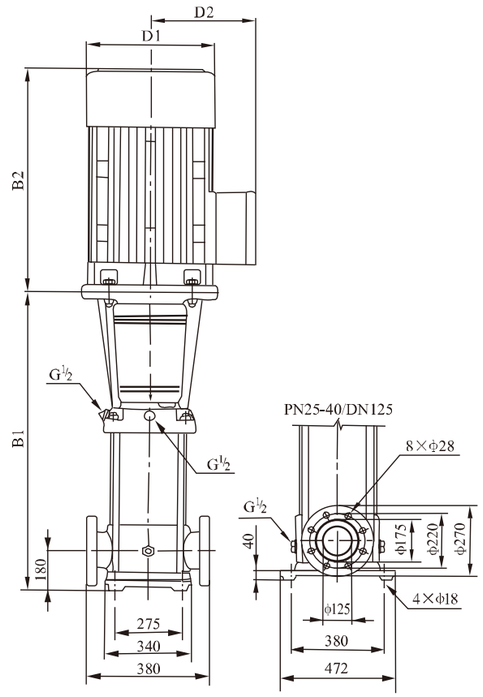




Performance table

Model	Driving motor (kW)	Q (m^3/h)	60	70	80	90	100	110	120	130	140	150
AVC/I/S-120M01	11	H (m)	22	21.8	21.6	21	20.5	19.5	18.5	17	16	15
AVC/I/S-120M02-2	15		34	33.6	33	31	30.2	30	28.5	27	25	24
AVC/I/S-120M02-1	18.5		41	40	39.5	38.5	37	36.5	34.5	32.5	30	27.5
AVC/I/S-120M02	22		46	45	44.5	43.5	42.4	41	40	38	36	33.5
AVC/I/S-120M03-2	30		57	56	55	53.5	52	51	49	46.5	43.5	41
AVC/I/S-120M03-1	30		64	63	62	60	58.5	57.5	55.5	52	49	46
AVC/I/S-120M03	30		69.5	68.5	67.5	66	64.4	62.5	61	57.5	54.5	51
AVC/I/S-120M04-2	37		80.5	79	78	76	73.5	72	69	66	61.5	58
AVC/I/S-120M04-1	37		87	86	84.5	82	80	78	76	72	68	64.5
AVC/I/S-120M04	45		92.5	91	90	88	85.5	83	81	77	73	68.5
AVC/I/S-120M05-2	45		104.5	103	101	99	96	93	90	85.5	80.5	75.5
AVC/I/S-120M05-1	45		110.5	109	107.5	105	102	100	97	92	86.5	83
AVC/I/S-120M05	55		115.5	114	113	110	107.5	104.5	101.5	96	91	86
AVC/I/S-120M06-2	55		128	125.5	123	121	117.3	113.5	110	104.5	98.5	92.5
AVC/I/S-120M06-1	55		134	132	130.5	127	124	121	118	111	105	100
AVC/I/S-120M06	75		139	137	135	132	128.8	126	123	116	110	104
AVC/I/S-120M07-2	75		151	148	145.5	143	138.6	134	130	123.5	116.5	109
AVC/I/S-120M07-1	75		156.5	154	152	148.5	144.5	141	137.5	130	123	116.5
AVC/I/S-120M07	75		162.5	160.5	158.5	155	151	148	145	137	129	123

Installation sketch

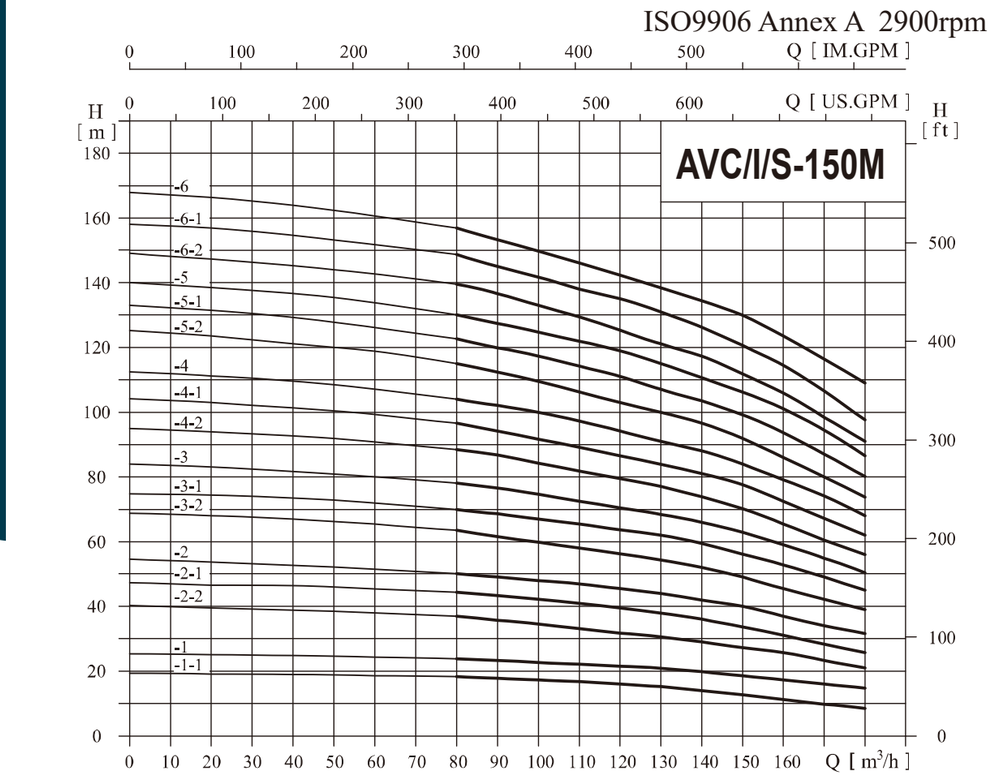


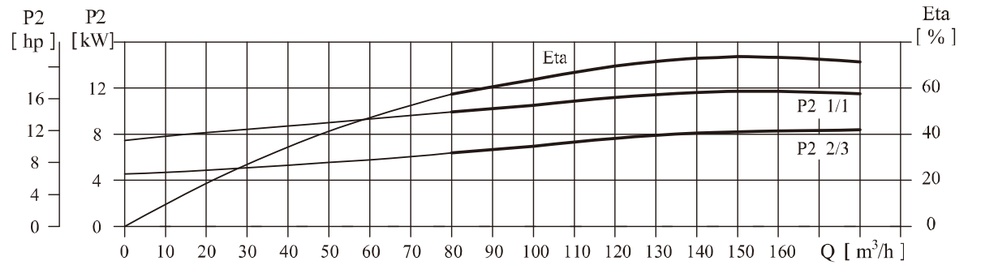
Size and weight

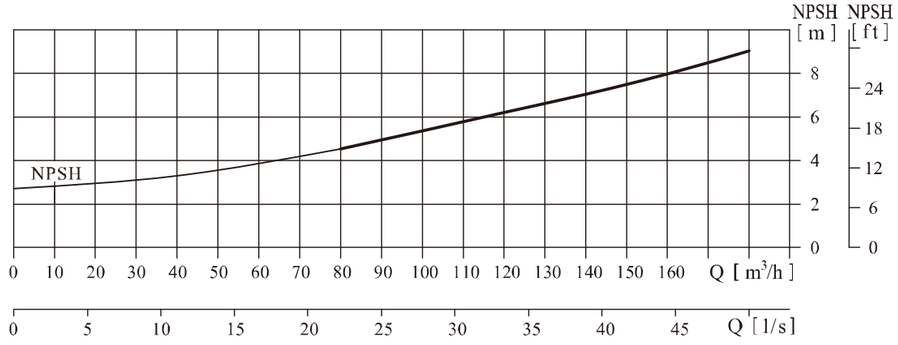
Model	Size(mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-120M01	840	500	1340	330	255	226
AVC-120M02-2	1000	500	1500	330	255	250
AVC-120M02-1	1000	550	1550	330	255	263
AVC-120M02	1000	575	1575	360	285	310
AVC-120M03-2	1160	650	1810	400	310	375
AVC-120M03-1	1160	650	1810	400	310	375
AVC-120M03	1160	650	1810	400	310	375
AVC-120M04-2	1320	650	1970	400	310	405
AVC-120M04-1	1320	650	1970	400	310	405
AVC-120M04	1320	685	2005	460	340	501
AVC-120M05-2	1480	685	2165	460	340	509
AVC-120M05-1	1480	685	2165	460	340	509
AVC-120M05	1510	760	2270	540	370	632
AVC-120M06-2	1670	760	2430	540	370	641
AVC-120M06-1	1670	760	2430	540	370	641
AVC-120M06	1670	845	2515	580	410	757
AVC-120M07-2	1830	845	2675	580	410	766
AVC-120M07-1	1830	845	2675	580	410	766
AVC-120M07	1830	845	2675	580	410	766

The overall dimensions of explosion-proof motor is a little different. Pls contact us for details.
**B2, D1, D2: subject to resulting height of the driven motor.

Performance curve



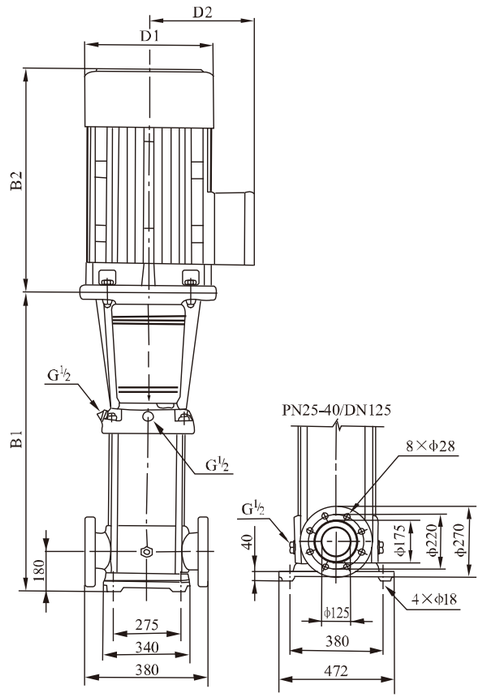




Performance table

Model	Driving motor (kW)	Q (m^3/h)	80	90	100	110	120	130	140	150	160	170	180
AVC/I/S-150M01-1	11	H (m)	18.3	17.8	17.3	17	16	15	14	12.5	11	10	8.5
AVC/I/S-150M01	15		24	23	22.5	22	21.5	20.5	20	18.5	17	16	15
AVC/I/S-150M02-2	18.5		37	35.5	34	33	32	31	29	27.5	26	23	21
AVC/I/S-150M02-1	22		44.3	43	42	40	39	38.5	37.5	35	33	30	27
AVC/I/S-150M02	30		50	49	48	47	45.5	44	42	40	37	34	32
AVC/I/S-150M03-2	30		63.5	61	59	57.5	56	54.5	53	49	45.5	42	39
AVC/I/S-150M03-1	37		70	68	67	65	63	62	60	56	53	49	45
AVC/I/S-150M03	37		78	76.5	75	73	70.5	68	66	63	59	55	50.5
AVC/I/S-150M04-2	45		89	87	84	81.5	79	77	74.5	70.5	65.5	60	56
AVC/I/S-150M04-1	45		96.5	94	91.5	89	86.5	84	81.5	77	72.5	67	62
AVC/I/S-150M04	55		104	102	100	97	95	91	88	84	79.5	74	68
AVC/I/S-150M05-2	55		115.5	112	109	106	102.5	100	97	92	86	79	73.5
AVC/I/S-150M05-1	75		122.5	119.5	117	113.5	111.5	107.5	104.5	99	93.5	87	80
AVC/I/S-120M05	75		130	127.5	125	121	119	115	111.5	106.5	101	94.5	86.5
AVC/I/S-120M06-2	75		140	137	133	130	126	121	118	112	106	98	91
AVC/I/S-120M06-1	75		148.5	145	141.7	137.5	135	131	127	120.5	114.5	106.5	97.5
AVC/I/S-120M06	75		157	153	149	145	142	139.5	137	130	123.5	116	109

Installation sketch

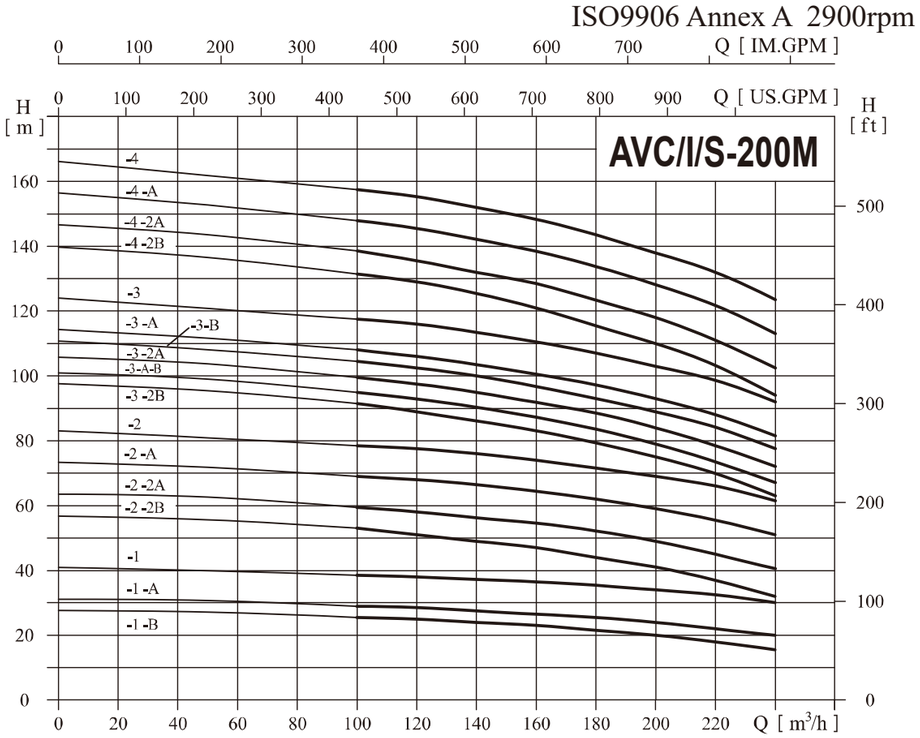


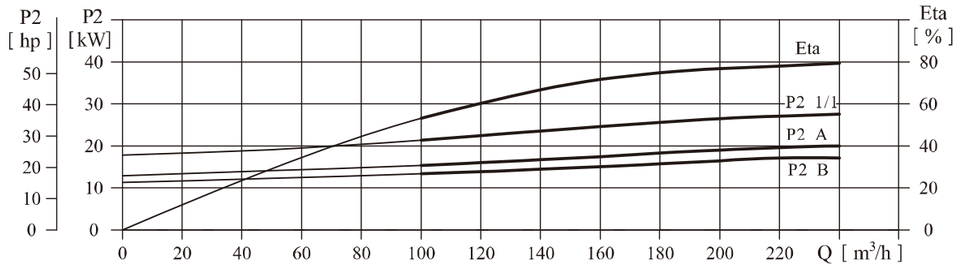
Size and weight

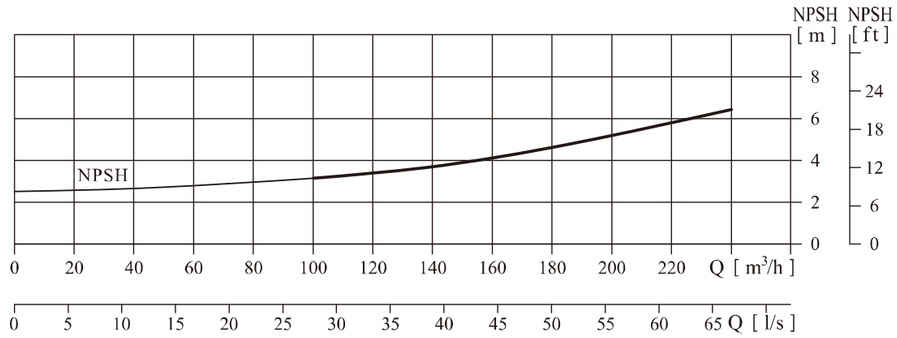
Model	Size(mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-150M01-1	840	500	1340	330	255	227
AVC-150M01	840	500	1340	330	255	240
AVC-150M02-2	1000	550	1550	330	255	263
AVC-150M02-1	1000	575	1575	360	285	311
AVC-150M02	1000	650	1650	400	310	364
AVC-150M03-2	1160	650	1810	400	310	374
AVC-150M03-1	1160	650	1810	400	310	395
AVC-150M03	1160	650	1810	400	310	395
AVC-150M04-2	1320	685	2005	460	340	502
AVC-150M04-1	1320	685	2005	460	340	502
AVC-150M04	1350	760	2110	540	370	625
AVC-150M05-2	1510	760	2270	540	370	636
AVC-150M05-1	1510	845	2355	580	410	752
AVC-120M05	1510	845	2355	580	410	752
AVC-120M06-2	1670	845	2515	580	410	762
AVC-120M06-1	1670	845	2515	580	410	762
AVC-120M06	1670	845	2515	580	410	762

The overall dimensions of explosion-proof motor is a little different. Pls contact us for details.
**B2, D1, D2: subject to resulting height of the driven motor.

Performance curve



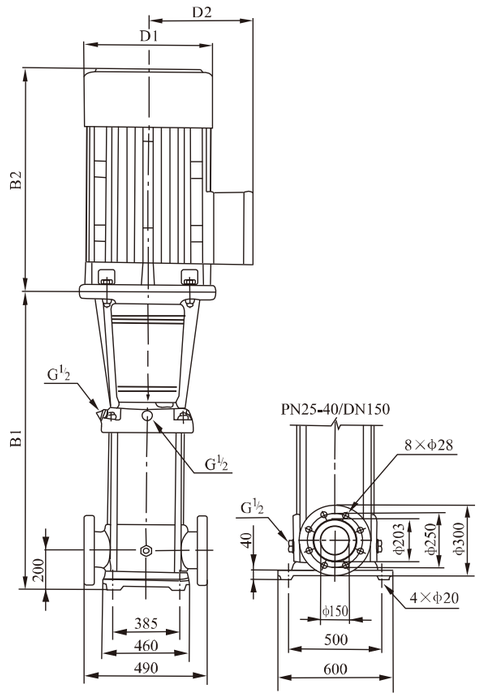




Performance table

Model	Driving motor (kW)	Q (m^3/h)	100	120	140	160	180	200	220	240
AVC/I/S-200M01-B	18.5	H (m)	25.5	25	24	23	21.5	20	18	15.5
AVC/I/S-200M01-A	22		29	28.5	27.5	26.5	25.5	24	22	20
AVC/I/S-200M01	30		38.5	38	37.5	36.5	35	34	32.5	30
AVC/I/S-200M02-2B	37		53	51	49	47	44	41	37	32
AVC/I/S-200M02-2A	45		59.5	58	56	54	52.5	49	44.5	40.5
AVC/I/S-200M02-A	55		69	68	66	64	62	59	55.5	51
AVC/I/S-200M02	55		78.5	77.5	76	74	71.5	69	66	61.5
AVC/I/S-200M03-2B	75		91.5	89	86.5	83.5	79	75	70	63
AVC/I/S-200M03-A-B	75		95	93	90	87	83.5	79	73.5	67
AVC/I/S-200M03-2A	75		99.5	97.5	94.5	91.5	89	84	78.5	72
AVC/I/S-200M03-B	75		104.5	102.5	100	97	93	89	84.5	77.5
AVC/I/S-200M03-A	75		108	106	103.5	100.5	97.5	93	88	81.5
AVC/I/S-200M03	90		117.5	116	113.5	110.5	107	103	99	92
AVC/I/S-200M04-2B	90		131.5	129	125.5	121	115.5	110	103.5	94
AVC/I/S-200M04-2A	110		138.5	136	132	128	124	118	111	102.5
AVC/I/S-200M04-A	110		148	145.5	142.5	138	134	128	122	113
AVC/I/S-200M04	110		157.5	155.5	152.5	148	143.5	138	132.5	123.5

Installation sketch



Size and weight

Model	Size(mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AVC-200M01-B	907	550	1457	330	255	343
AVC-200M01-A	907	575	1482	360	285	390
AVC-200M01	907	650	1557	400	310	443
AVC-200M02-2B	1101	650	1751	400	310	482
AVC-200M02-2A	1101	685	1786	460	340	578
AVC-200M02-A	1131	760	1891	540	370	710
AVC-200M02	1131	760	1891	540	370	710
AVC-200M03-2B	1325	845	2170	580	410	845
AVC-200M03-A-B	1325	845	2170	580	410	845
AVC-200M03-2A	1325	845	2170	580	410	845
AVC-200M03-B	1325	845	2170	580	410	845
AVC-200M03-A	1325	845	2170	580	410	845
AVC-200M03	1325	895	2220	580	410	921
AVC-200M04-2B	1519	895	2414	580	410	938
AVC-200M04-2A	1519	1140	2659	645	550	1148
AVC-200M04-A	1519	1140	2659	645	550	1148
AVC-200M04	1519	1140	2659	645	550	1148

The overall dimensions of explosion-proof motor is a little different. Pls contact us for details.

**B2, D1, D2: subject to resulting height of the driven motor.

Memo

Memo