ALLFLO

AMV, AMVS

LIGHT VERTICAL MULTISTAGE CENTRIFUGAL PUMP

CONTENT

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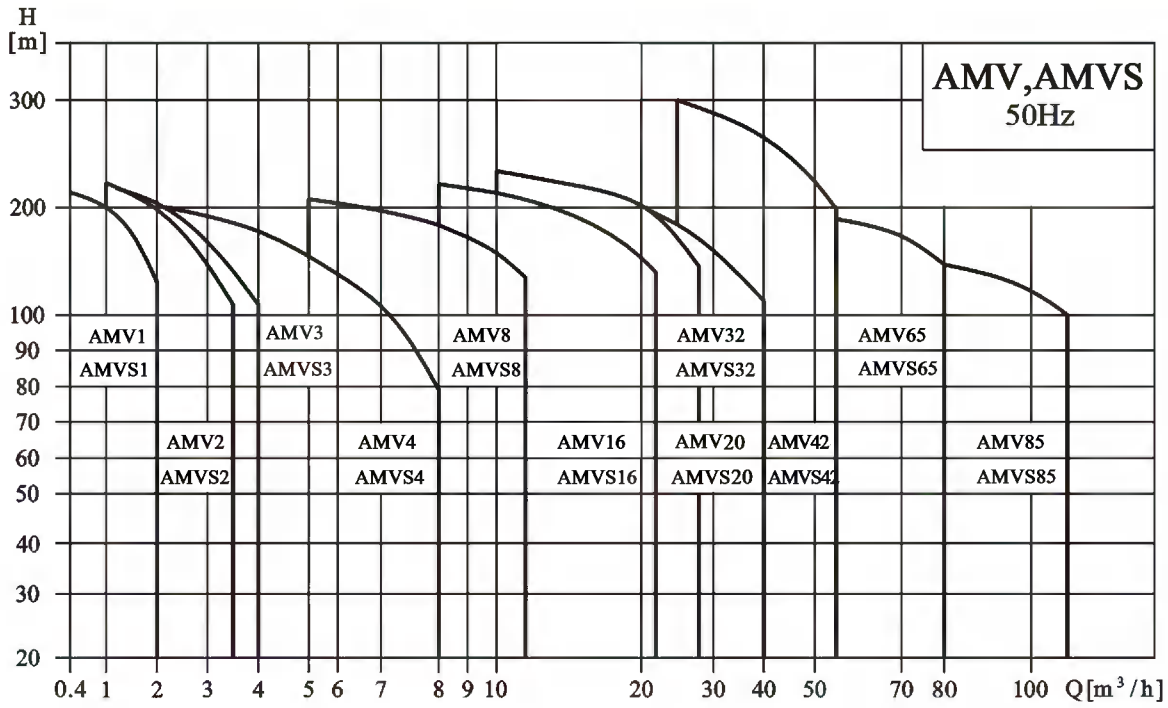


Product range

Description	AMV1	AMV2	AMV3	AMV4	AMV8	AMV16	AMV20	AMV32	AMV42	AMV65	AMV85
Rated flow [m^3/h]	1	2	3	4	8	16	20	32	42	65	85
Rated flow [l/s]	0.28	0.56	0.83	1.1	2.2	4.4	5.6	8.9	11.7	18	24
Flow range [m^3/h]	0.4–2	1–3.5	1.2–4	1.5–8	5–12	8–22	10–28	16–40	25–55	30–80	50–110
Flow range [l/s]	0.11–0.56	0.28–0.97	0.33–1.1	0.42–2.2	1.4–3.3	2.2–6.1	2.8–7.8	4.4–11.1	6.9–15.3	8.3–22.2	13.8–30.5
Max.pressure [bar]	21	23	22	21	21	22	23	26	30	22	17
Motor power [kW]	0.37–2.2	0.37–3	0.37–3	0.37–4	0.75–7.5	2.2–15	1.1–18.5	1.5–30	3.0–45	4.0–45	5.5–45
Temperature range [℃]	−15～+120										
Max.efficiency [%]	44	46	54	59	64	66	69	76	78	80	81
Type											
AMV	●	●	●	●	●	●	●	●	●	●	●
AMVS	●	●	●	●	●	●	●	●	●	●	●
AMV Pipe connection											
DIN Flange	DN25	DN25	DN25	DN32	DN40	DN50	DN50	DN65	DN80	DN100	DN100
Oval Flange	G1	G1	G1	G1¼	G1½						
AMVS Pipe connection											
DIN Flange	DN25	DN25	DN25	DN32	DN40	DN50	DN50	DN65	DN80	DN100	DN100
Cutting ferrule joint	●	●	●	●	●	●	●				
Pipe thread	●	●	●	●	●	●	●				

Application

AMV/AMVS 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. AMV type is applicable to conveying non-corrosive liquid, while AMVS 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: Ultrafiltration system, reverse osmosis system, distillation system, separator, swimming pool.
- Irrigation: Farmland irrigation, spray irrigation, dripping irrigation.

Operation conditions

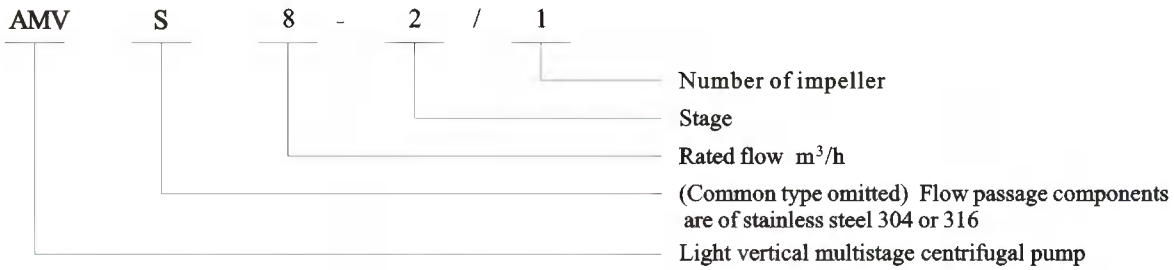
- Thin, clean, non-flammable and non-explosive liquid containing no solid granules and fibers.
- Liquid temperature:

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

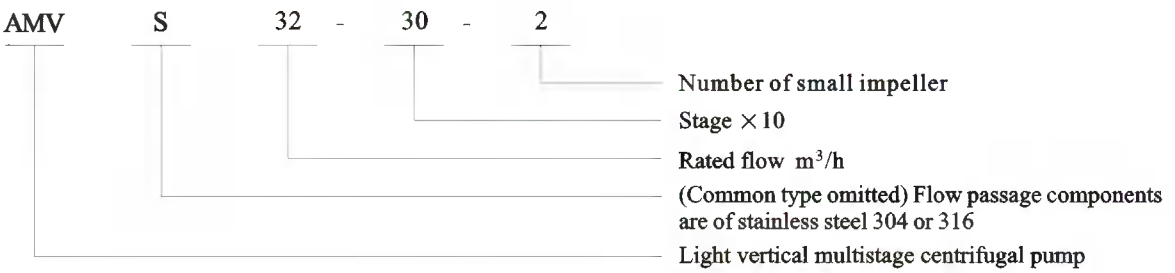
- Ambient temperature: up to +40℃
- Altitude:up to 1000m

Model Code

AMV, AMVS1,2,3,4,8,16 and 20



AMV, AMVS32,42,65 and 85



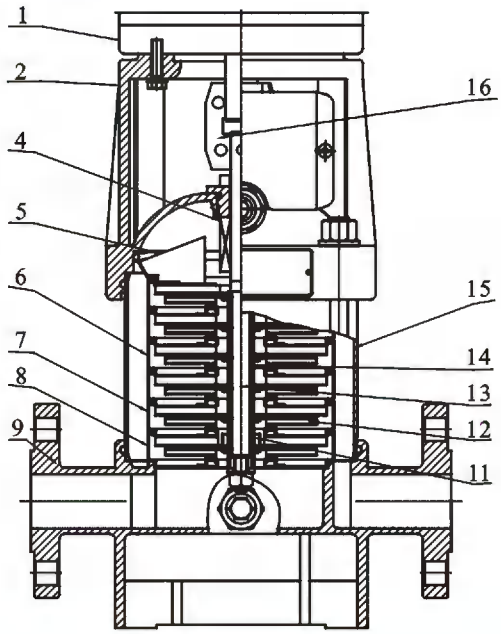
Pump

AMV/AMVS 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 in-and outlet section with tie-bar 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.

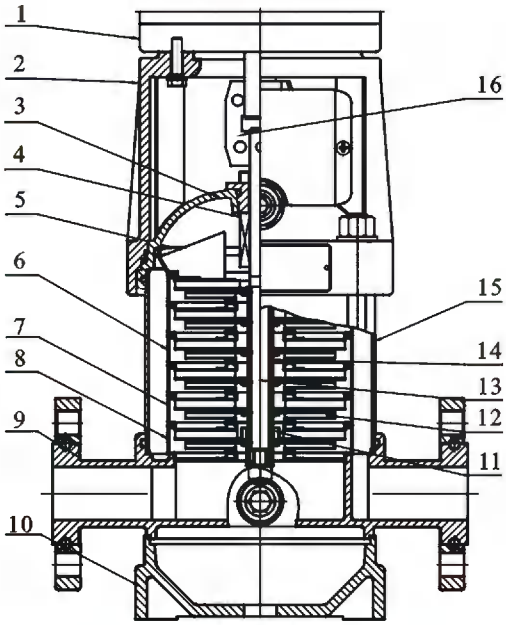
Electric motor

- 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

Section drawing AMV, AMVS 1,2,3,4



AMV

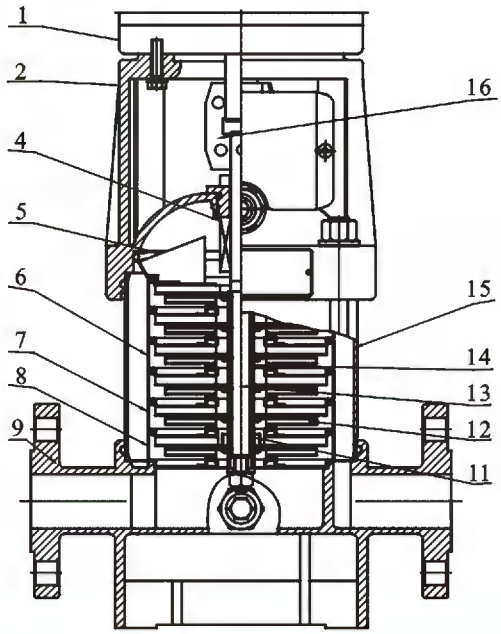


AMVS

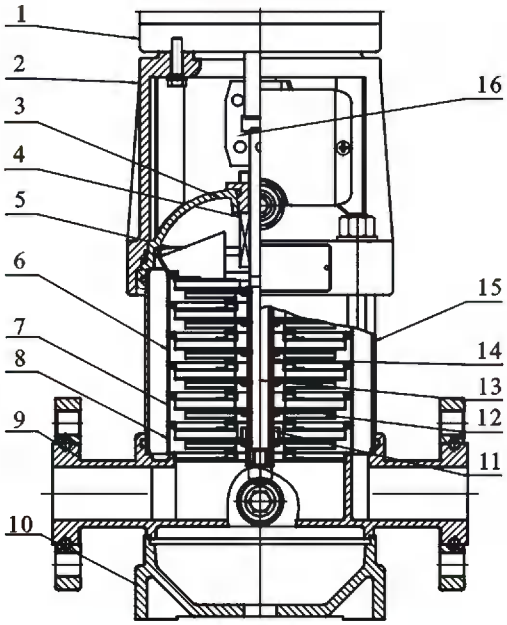
Material AMV, AMVS 1,2,3,4

NO.	Name	Material	AISI/ASTM
1	Electric motor		
2	Pump head	Cast iron	ASTM25B
4	Mechanical seal		
5	Water-out guide vane	Stainless steel	AISI304
6	Guide vane	Stainless steel	AISI304
7	Support guide vane	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
11	Bearing	Tungsten carbide	
12	Impeller	Stainless steel	AISI304
13	Shaft	Stainless steel	AISI304 AISI316
14	Spacer	Stainless steel	AISI304
15	Pressure-resistant cylinder	Stainless steel	AISI304
16	Couping	Carbon steel	
AMVS			
3	Seal base	Stainless steel	AISI304
9	Inlet and outlet section	Stainless steel	AISI304
10	Base frame	Cast iron	ASTM25B
AMV			
9	Inlet and outlet section	Cast iron	ASTM25B

Section drawing AMV, AMVS 8, 16, 20



AMV

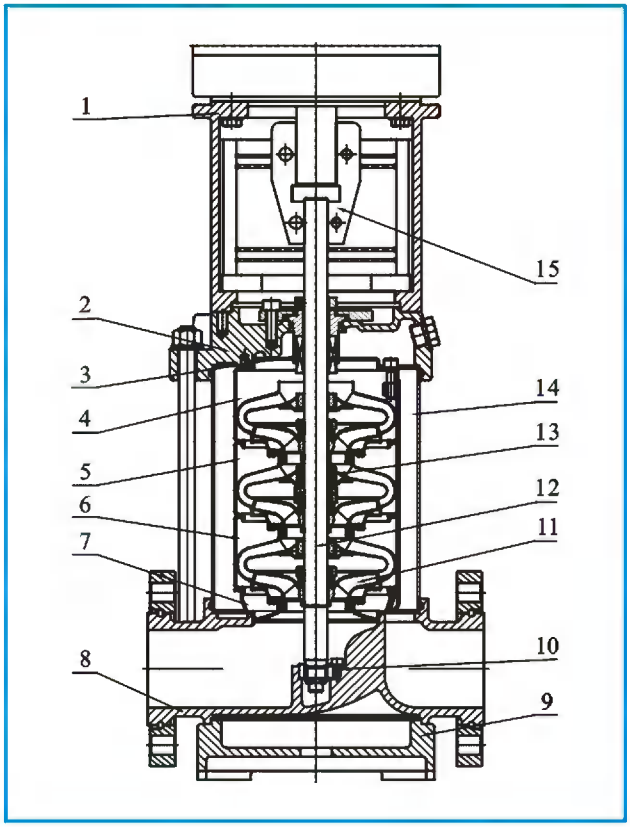


AMVS

Material AMV, AMVS 8, 16, 20

NO.	Name	Material	AISI/ASTM
1	Electric motor		
2	Pump head	Cast iron	ASTM25B
4	Mechanical seal		
5	Water-out guide vane	Stainless steel	AISI304
6	Guide vane	Stainless steel	AISI304
7	Support guide vane	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
11	Bearing	Tungsten carbide	
12	Impeller	Stainless steel	AISI304
13	Shaft	Stainless steel	AISI304 AISI316
14	Spacer	Stainless steel	AISI304
15	Pressure-resistant cylinder	Stainless steel	AISI304
16	Couping	Carbon steel	
AMVS			
3	Seal base	Stainless steel	AISI304
9	Inlet and outlet section	Stainless steel	AISI304
10	Base frame	Cast iron	ASTM25B
AMV			
9	Inlet and outlet section	Cast iron	ASTM25B

Section drawing AMV, AMVS 32,42,65,85



Material AMV, AMVS 32,42,65,85

NO.	Name	Material	AISI/ASTM
1	Bracket	Cast iron	ASTM25B
3	Mechanical seal		
4	Water-out guide vane	Stainless steel	AISI304
5	Support guide vane	Stainless steel	AISI304
6	Guide vane	Stainless steel	AISI304
7	Inducer	Stainless steel	AISI304
9	Base frame	Cast iron	ASTM25B
10	Bottom bearing	Tungsten carbide	
11	Impeller	Stainless steel	AISI304
12	Shaft	Stainless steel	AISI316 AISI304
13	Intermediate-shaft sleeve	Tungsten carbide	
14	Pressure-resistant cylinder	Stainless steel	AISI304
15	Coupling	Carbon steel	
	Rubber parts	EPDM	
AMV			
2	Pump head	Cast iron	ASTM25B
8	Inlet and outlet section	Cast iron	ASTM25B
AMVS			
2	Pump head	Stainless steel	AISI304
8	Inlet and outlet section	Stainless steel	AISI304

Max inlet pressure

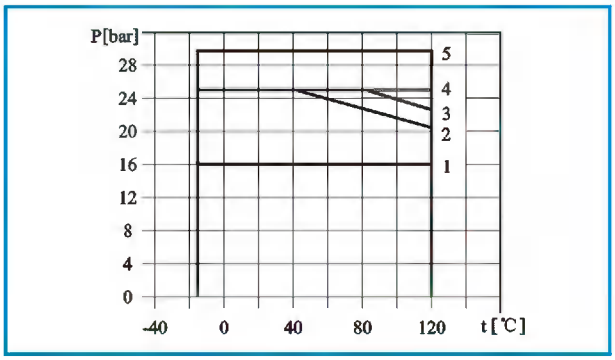
The maximum inlet pressure is shown in the table below. But the actual inlet pressure plus the valve close pressure of the pump shall be lower than the max. allowable working pressure.

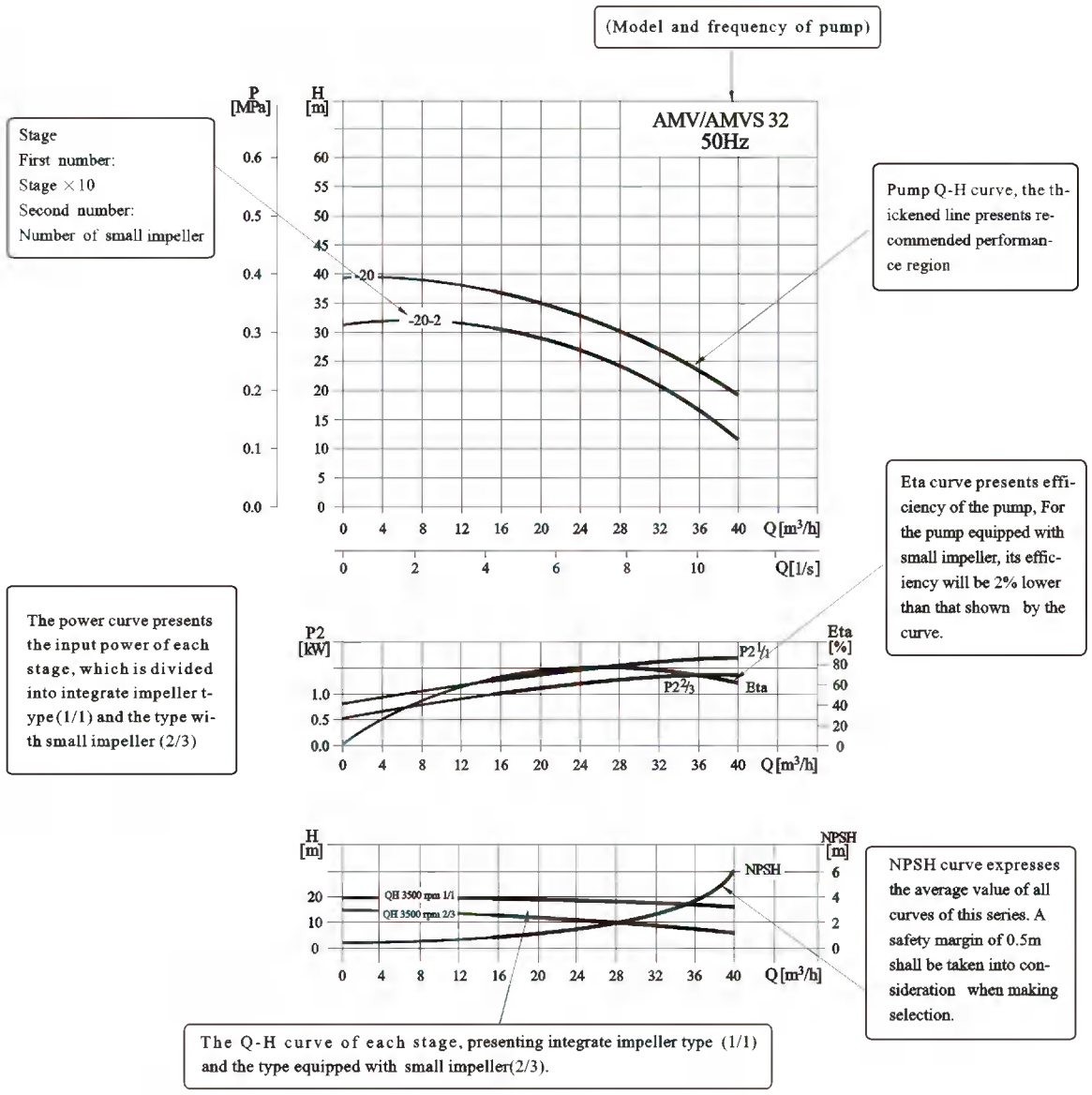
Model	Max inlet pressure
AMV, AMVS 1	
1-2～1-8 1-9～1-36	6[bar] 10[bar]
AMV, AMVS 2	
2-2 2-3～2-11 2-13～2-26	6[bar] 10[bar] 15[bar]
AMV, AMVS 3	
3-2～3-5 3-6～3-29 3-31～3-36	6[bar] 10[bar] 15[bar]
AMV, AMVS 4	
4-2 4-3～4-10 4-12～4-22	6[bar] 10[bar] 15[bar]
AMV, AMVS 8	
8-2/1～8-6 8-8～8-20	6[bar] 10[bar]
AMV, AMVS 16	
16-2～16-3 16-4～16-16	6[bar] 10[bar]
AMV, AMVS 20	
20-1～20-3 20-4～20-17	6[bar] 10[bar]
AMV, AMVS 32	
32-10-1～32-20-2 32-20～32-40 32-50-2～32-100 32-110-2～32-140	3[bar] 4[bar] 10[bar] 15[bar]
AMV, AMVS 42	
42-10-1 42-10～42-20 42-30-2～42-50 42-60-2～42-130-2	3[bar] 4[bar] 10[bar] 15[bar]
AMV, AMVS 65	
65-10-1～65-20-2 65-20-1～65-30 65-40-2～65-80-1	4[bar] 10[bar] 15[bar]
AMV, AMVS 85	
85-10-1～85-10 85-20-2～85-30-2 85-30-1～85-60	4[bar] 10[bar] 15[bar]

Max working pressure

Model	Curve number
AMV, AMVS 1	
1-2～1-23 1-25～1-36	1 2
AMV, AMVS 2	
2-2～15 2-18～2-26	1 2
AMV, AMVS 3	
3-2～3-23 3-25～3-36	1 2
AMV, AMVS 4	
4-2～4-16 4-19～4-22	1 2
AMV, AMVS 8	
8-2/1～8-12 8-14～8-20	1 3
AMV, AMVS 16	
16-2～16-8 16-10～16-16	1 3
AMV, AMVS 20	
20-1～20-8 20-10~20-17	1 3
AMV, AMVS 32	
32-10-1～32-70 32-80-2～32-120 32-130～32-140	1 4 5
AMV, AMVS 42	
42-10-1～42-60 42-70-2～42-90 42-100-2～42-130-2	1 4 5
AMV, AMVS 65	
65-10-1～65-50 65-60-2～65-80-1	1 4
AMV, AMVS 85	
85-10-1～85-50-2 85-50～85-60	1 4

The following figure shows the limitation of pressure and temperature, which shall be kept within the region as shown in the figure.





Performance curve

Following conditions are suitable for the performance curves shown bellow:

1、All the performance curves are based on the measured values of a motor at a constant speed of 2900 rpm.

2、Curve tolerance in conformity with ISO9906, appendix A.

3、Measurement is done with 20℃ air-free water, kinematic viscosity of 1mm^2/sec.

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 cavitations will occur. To avoid cavitations, 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)

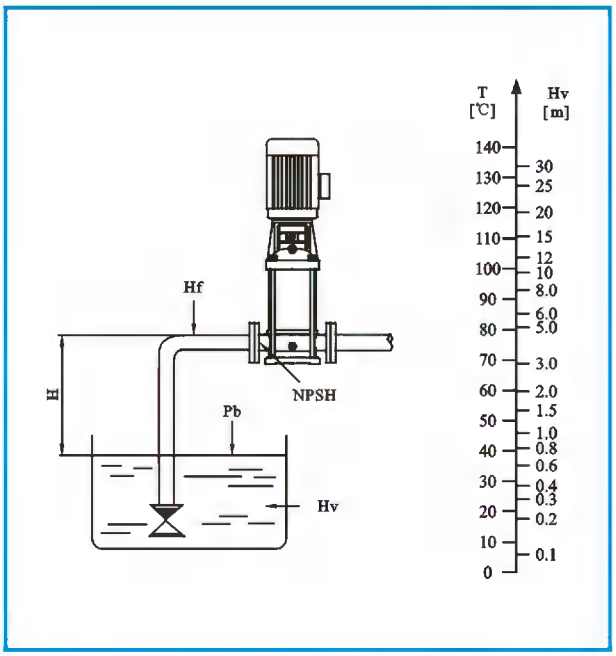
Hf=Pipeline loss at the inlet [m]

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.



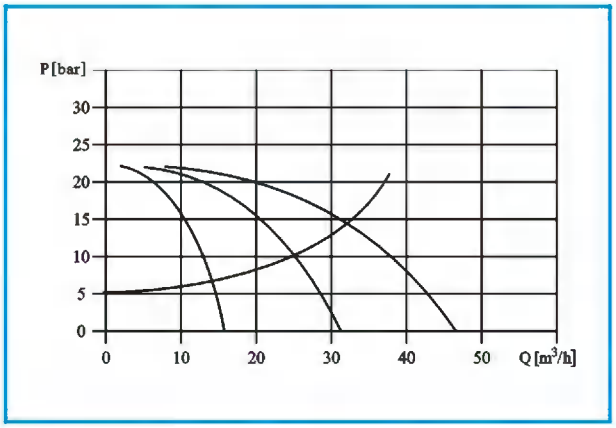
Check and ensure that the pump is not at cavitations state

Operation in parallel

Connecting several pumps in parallel running will benefit much more than running a single large pump.

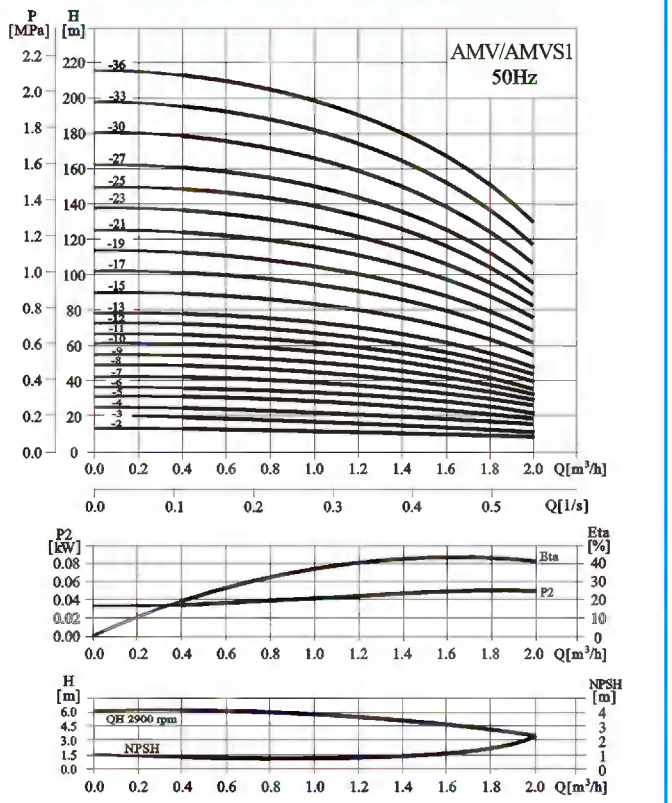
●Applicable to different working states necessary in a variable flow system.

●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.



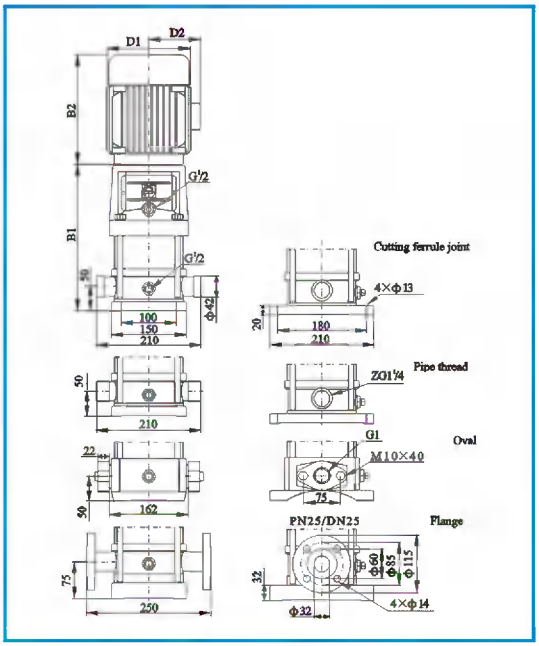
Two pumps or more can be connected in parallel running if necessary.

Performance curve



AMV/AMVS 1

Installation sketch



Performance table

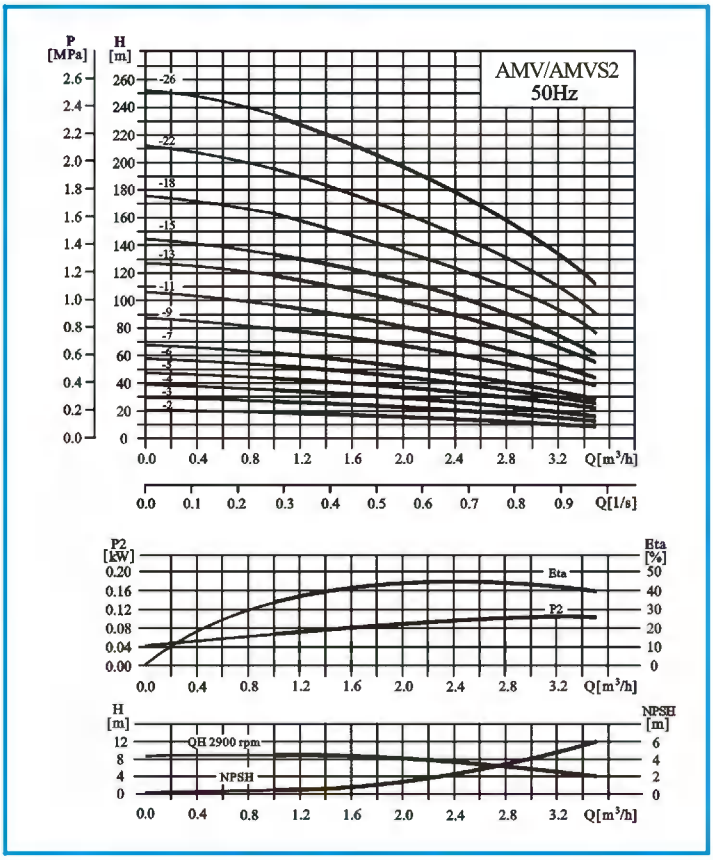
Model	Power (kW)	Q (m^3/h)	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
AMV1-2	0.37		13	12.5	12	11.5	11	10.5	10	9.5	9
AMV1-3	0.37		19	18	17.5	17	16.5	16	15	14	12
AMV1-4	0.37		24	23.5	23	22.5	21.5	21	19	18	16
AMV1-5	0.37		30	29.6	29	28	27	26	24	22	20
AMV1-6	0.37		36	35.5	35	33.5	33	31	28	26	23
AMV1-7	0.37		42	41	40.5	39	38	36	33	30	27
AMV1-8	0.55		48	47	46	45	43	41	38	34	30
AMV1-9	0.55		54	53	52	51	49	46	43	39	33
AMV1-10	0.55		60	59	58	57	54	51	48	43	36
AMV1-11	0.55		66	65	63	61	59	56	52	47	40
AMV1-12	0.75	H	72	71	69	67	64	61	57	51	44
AMV1-13	0.75	(m)	78	77	75	73	69	66	62	55	47
AMV1-15	0.75		89	88	86	84	79	76	71	63	55
AMV1-17	1.1		101	99	97	95	89	86	80	71	62
AMV1-19	1.1		113	110	108	106	99	96	89	79	69
AMV1-21	1.1		124	122	120	117	110	106	98	87	75
AMV1-23	1.1		137	133	131	128	121	116	107	96	82
AMV1-25	1.5		149	145	143	139	131	126	116	104	89
AMV1-27	1.5		161	157	155	150	141	136	125	112	95
AMV1-30	1.5		178	175	171	166	157	150	139	124	106
AMV1-33	2.2		196	192	188	183	173	165	154	137	118
AMV1-36	2.2		214	210	205	200	190	181	169	151	130

AMV1-25--1-36sub-comection of pipeline without oval flange

Size and weight

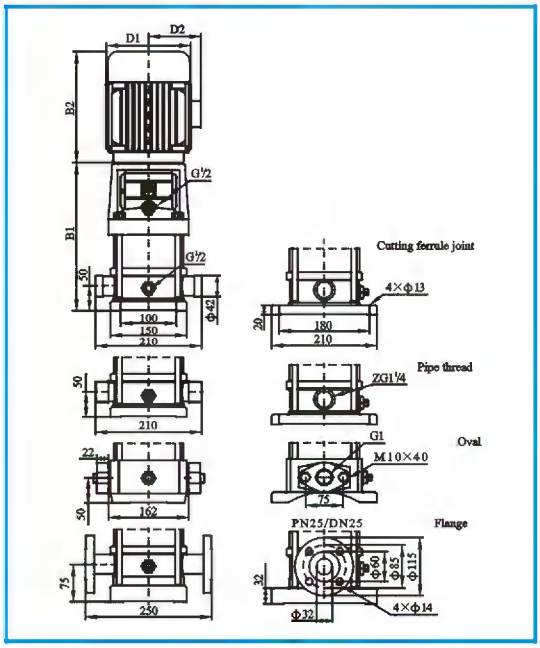
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AMV1-2	233	210	443	148	117	20
AMV1-3	251	210	461	148	117	20
AMV1-4	269	210	479	148	117	20
AMV1-5	287	210	497	148	117	20
AMV1-6	305	210	515	148	117	20
AMV1-7	323	210	533	148	117	20
AMV1-8	341	210	551	148	117	22
AMV1-9	359	210	569	148	117	22
AMV1-10	377	210	587	148	117	22
AMV1-11	395	210	605	148	117	22
AMV1-12	423	245	668	170	142	25
AMV1-13	441	245	686	170	142	25
AMV1-15	477	245	722	170	142	25
AMV1-17	513	245	758	170	142	28
AMV1-19	549	245	794	170	142	28
AMV1-21	585	245	830	170	142	30
AMV1-23	621	245	866	170	142	33
AMV1-25	667	290	957	190	155	40
AMV1-27	703	290	993	190	155	40
AMV1-30	757	290	1047	190	155	40
AMV1-33	811	290	1101	190	155	45
AMV1-36	865	290	1155	190	155	45

Performance curve



AMV/ AMVS 2

Installation sketch



Performance table

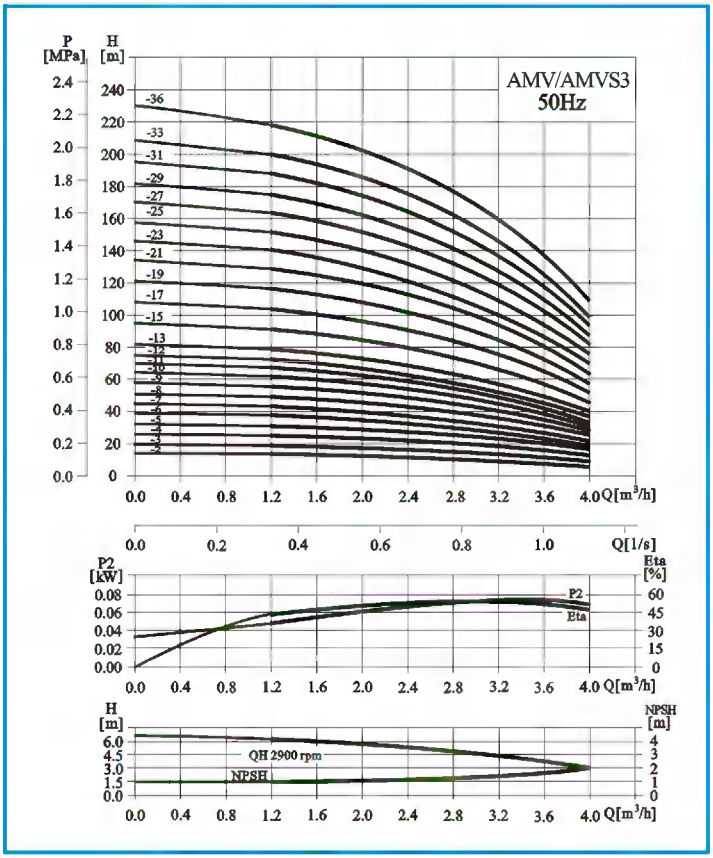
Model	(kW)	Q (m^3/h)	1	1.2	1.6	2.0	2.4	2.8	3.2	3.5
AMV2-2	0.37	H (m)	18	17	16	15	13	12	10	8
AMV2-3	0.37		27	26	24	22	20	18	15	12
AMV2-4	0.55		36	35	33	30	26	24	20	16
AMV2-5	0.55		45	43	40	37	33	30	24	20
AMV2-6	0.75		53	52	50	45	40	36	30	24
AMV2-7	0.75		63	61	57	52	47	41	35	28
AMV2-9	1.1		80	78	73	67	61	54	45	37
AMV2-11	1.1		98	95	89	82	73	64	54	44
AMV2-13	1.5		116	114	106	98	89	78	65	52
AMV2-15	1.5		134	130	123	112	100	90	73	60
AMV2-18	2.2		161	157	148	136	121	108	91	76
AMV2-22	2.2		197	192	180	165	148	130	110	90
AMV2-26	3.0		232	228	214	198	179	158	130	110

AMV2-18~2-26 sub-comection of pipeline without oval flange

Size and weight

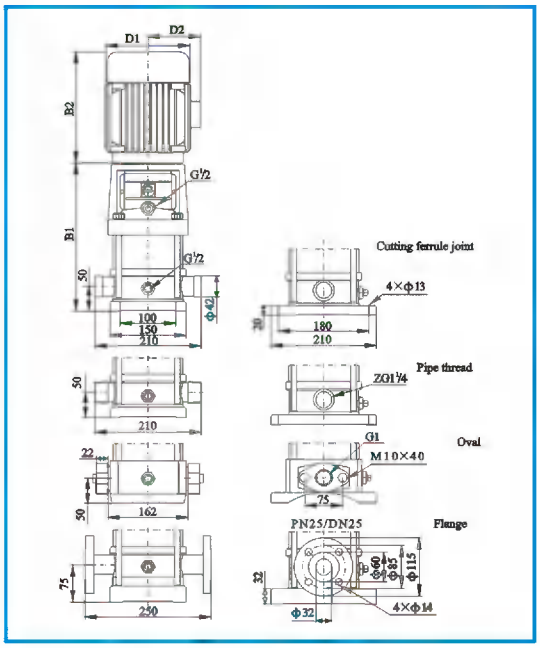
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AMV2-2	233	210	443	148	117	20
AMV2-3	251	210	461	148	117	30
AMV2-4	269	210	479	148	117	20
AMV2-5	287	210	497	148	117	20
AMV2-6	315	245	560	170	142	25
AMV2-7	333	245	578	170	142	25
AMV2-9	369	245	614	170	142	30
AMV2-11	405	245	650	170	142	30
AMV2-13	451	290	741	190	155	35
AMV2-15	487	290	777	190	155	35
AMV2-18	541	290	831	190	155	40
AMV2-22	613	290	903	190	155	45
AMV2-26	695	315	1010	197	165	50

Performance curve



AMV/AMVS 3

Installation sketch



Performance table

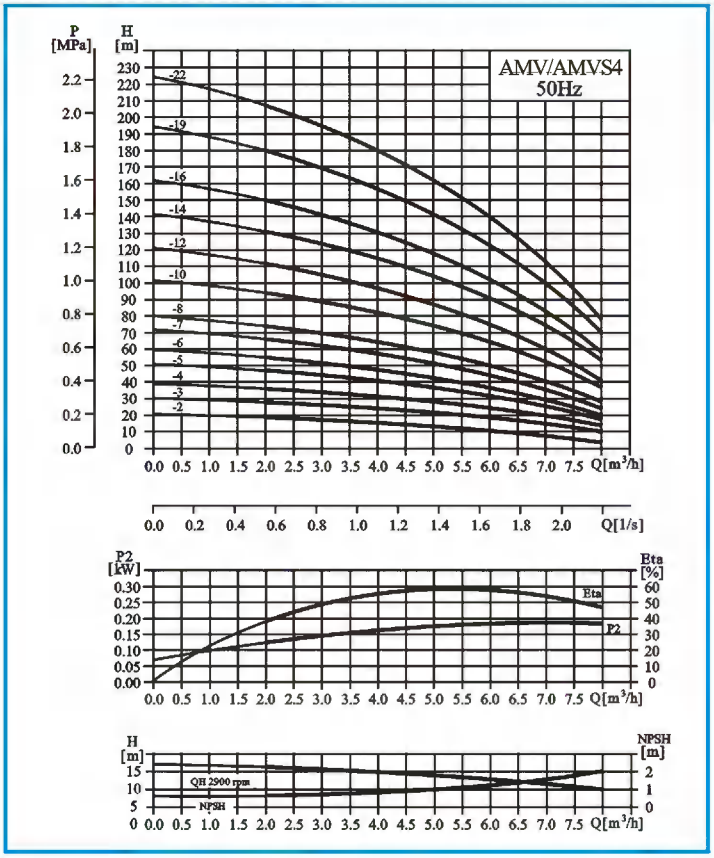
Model	(kW)	Q (m³/h)	1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.6	4.0
AMV3-2	0.37	H (m)	12.5	11.5	11	10.5	10	9	8	7	6
AMV3-3	0.37		19	18.5	17.5	16.5	15	14	13	11	9
AMV3-4	0.37		25	24	23	21.5	20	19	18	15	12
AMV3-5	0.37		31	30	29	27	25	23	22	19	16
AMV3-6	0.55		36	35	34	32	30	28	27	23	19
AMV3-7	0.55		43	41	39	37	34	32	31	27	22
AMV3-8	0.75		49	47	45	43	39	37	35	31	25
AMV3-9	0.75		55	53	51	48	45	42	40	35	28
AMV3-10	0.75		61	59	57	54	50	47	45	39	31
AMV3-11	1.1		67	64	61	58	54	51	49	42	34
AMV3-12	1.1		73	70	67	63	58	55	52	45	37
AMV3-13	1.1		78	76	73	69	64	60	57	49	40
AMV3-15	1.1		90	88	84	79	73	69	66	57	46
AMV3-17	1.5		103	100	96	90	83	79	75	64	52
AMV3-19	1.5		115	112	107	100	92	88	83	72	58
AMV3-21	2.2		128	124	119	112	102	98	91	79	64
AMV3-23	2.2		140	135	130	122	112	107	100	86	70
AMV3-25	2.2		151	147	141	131	122	116	109	94	76
AMV3-27	2.2		164	159	152	143	132	124	117	101	82
AMV3-29	2.2		175	170	163	153	142	133	126	109	88
AMV3-31	3.0		187	182	175	165	153	142	135	116	94
AMV3-33	3.0		199	194	187	176	163	151	145	125	100
AMV3-36	3.0		218	212	204	192	178	168	159	137	109

AMV3-25~3-36 sub-comection of pipeline without oval flange

Size and weight

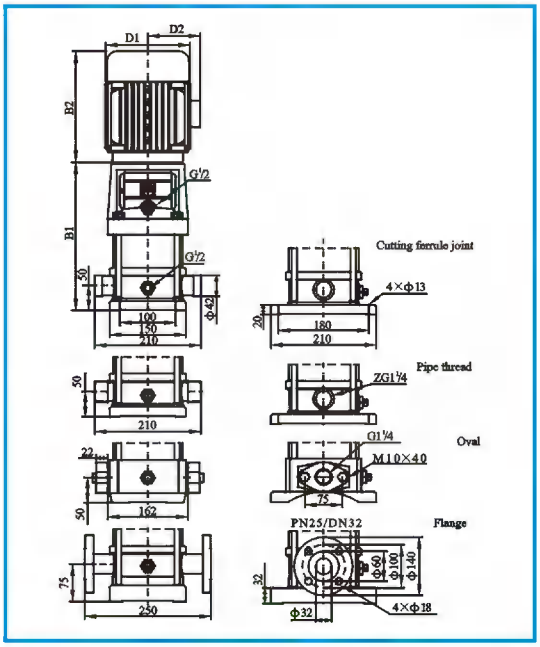
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AMV3-2	233	210	443	148	117	20
AMV3-3	251	210	461	148	117	20
AMV3-4	269	210	479	148	117	20
AMV3-5	287	210	497	148	117	20
AMV3-6	305	210	515	148	117	22
AMV3-7	323	210	533	148	117	22
AMV3-8	351	245	596	170	142	22
AMV3-9	369	245	614	170	142	22
AMV3-10	387	245	632	170	142	22
AMV3-11	405	245	650	170	142	25
AMV3-12	423	245	668	170	142	25
AMV3-13	441	245	686	170	142	25
AMV3-15	477	245	722	170	142	25
AMV3-17	523	290	813	190	155	30
AMV3-19	559	290	849	190	155	35
AMV3-21	595	290	885	190	155	35
AMV3-23	631	290	921	190	155	40
AMV3-25	667	290	957	190	155	40
AMV3-27	703	290	993	190	155	40
AMV3-29	739	290	1029	190	155	40
AMV3-31	785	315	1100	197	165	45
AMV3-33	821	315	1136	197	165	50
AMV3-36	875	315	1190	197	165	50

Performance curve



AMV/AMVS4

Installation sketch



Performance table

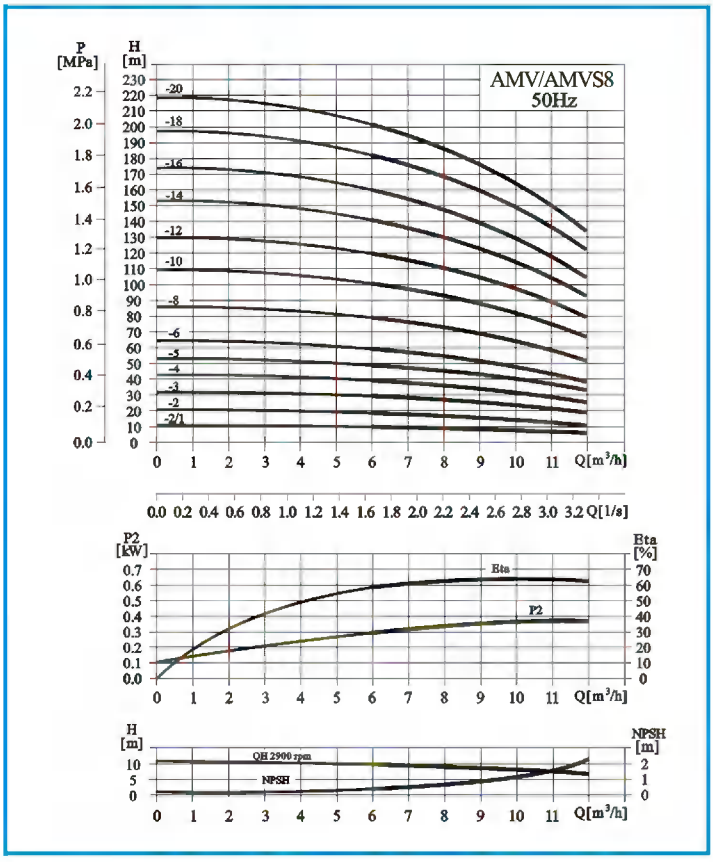
Model	(kW)	Q (m^3/h)	1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0
AMV4-2	0.37	H (m)	19	18	17	15	13	10	8	6
AMV4-3	0.55		28	27	26	24	20	18	13	10
AMV4-4	0.75		38	36	34	32	27	24	19	13
AMV4-5	1.1		47	45	43	40	34	31	23	17
AMV4-6	1.1		56	54	52	48	41	37	28	20
AMV4-7	1.5		66	63	61	56	48	43	33	24
AMV4-8	1.5		74	72	70	64	55	50	38	27
AMV4-10	2.2		96	90	87	81	71	62	48	34
AMV4-12	2.2		114	108	104	95	85	75	58	41
AMV4-14	3.0		136	126	122	112	101	89	68	48
AMV4-16	3.0		152	144	140	129	115	101	78	55
AMV4-19	4.0		183	171	168	153	137	122	93	67
AMV4-22	4.0		211	200	192	178	160	138	108	79

AMV4-19~4-22 sub-comection of pipeline without oval flange

Size and weight

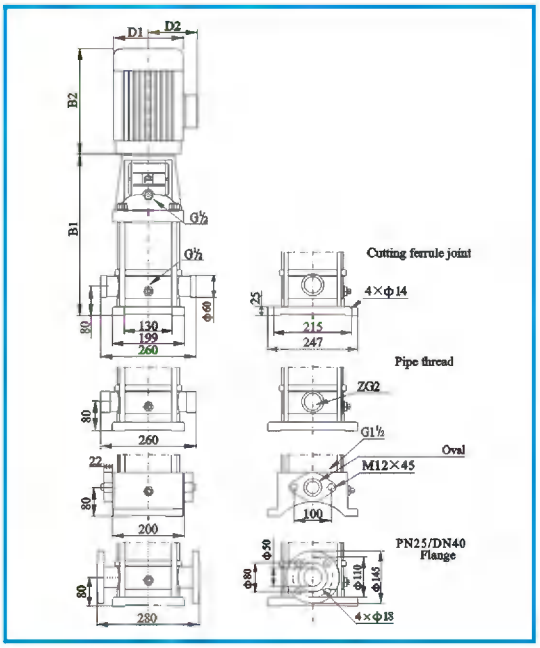
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AMV4-2	251	210	461	148	117	20
AMV4-3	278	210	488	148	117	20
AMV4-4	315	245	560	170	142	20
AMV4-5	342	245	587	170	142	25
AMV4-6	369	245	614	170	142	25
AMV4-7	406	290	696	190	155	30
AMV4-8	433	290	723	190	155	30
AMV4-10	487	290	777	190	155	30
AMV4-12	541	290	831	190	155	35
AMV4-14	605	315	920	197	165	35
AMV4-16	659	315	974	197	165	40
AMV4-19	740	335	1075	230	188	45
AMV4-22	821	335	1156	230	188	50

Performance curve



AMV/AMVS8

Installation sketch



Performance table

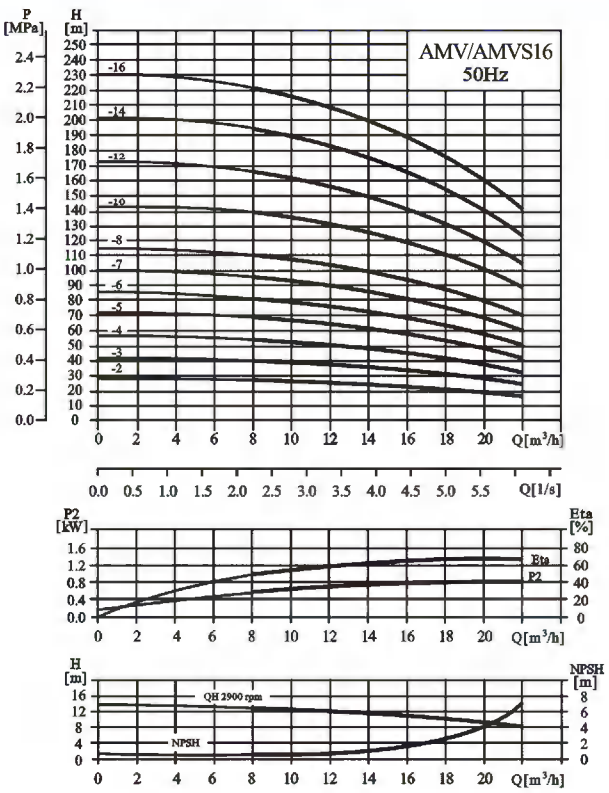
Model	(kW)	Q (m³/h)	5	6	7	8	9	10	11	12
AMV8-2/1	0.75		10	9.5	9.3	9	8.5	8	7	6
AMV8-2	0.75		20	19.5	19	18	17	16	14	13
AMV8-3	1.1		30	29.5	28.5	27	25	24	21	19
AMV8-4	1.5		41	39.5	38	36	34	32	28	26
AMV8-5	2.2		52	50	48	45	42	40	36	32
AMV8-6	2.2		62	60	57	54	51	48	43	39
AMV8-8	3.0	H (m)	83	80	77	73	69	65	58	52
AMV8-10	4.0		104	100	97	92	87	81	73	65
AMV8-12	4.0		124	120	116	111	104	92	87	78
AMV8-14	5.5		145	141	136	130	122	113	102	92
AMV8-16	5.5		166	161	156	148	139	130	118	106
AMV8-18	7.5		187	182	175	167	157	146	134	120
AMV8-20	7.5		208	202	195	186	175	163	150	135

AMV8-14~8-20 sub-comection of pipeline without oval flange

Size and weight

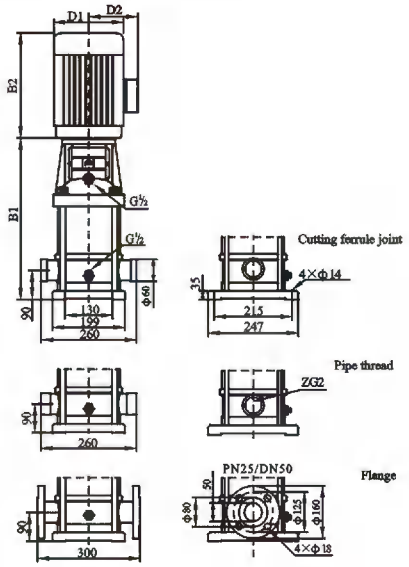
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AMV8-2/1	347	245	592	170	142	22
AMV8-2	347	245	592	170	142	22
AMV8-3	377	245	622	170	142	32
AMV8-4	417	290	707	190	155	32
AMV8-5	447	290	737	190	155	42
AMV8-6	477	290	767	190	155	42
AMV8-8	547	315	862	197	165	47
AMV8-10	607.	335	942	230	188	57
AMV8-12	667	335	1002	230	188	57
AMV8-14	747	430	1177	260	208	82
AMV8-16	807	430	1237	260	208	82
AMV8-18	867	430	1297	260	208	92
AMV8-20	927	430	1357	260	208	92

Performance curve



AMV/AMVS16

Installation sketch



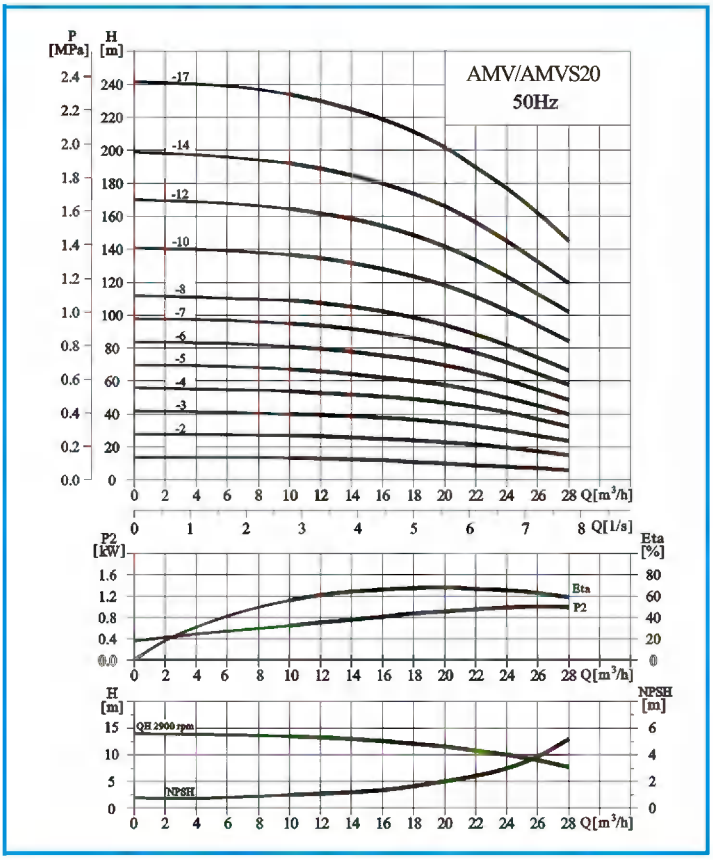
Performance table

Model	(kW)	Q (m^3/h)	8	10	12	14	16	18	20	22
AMV16-2	2.2		27	26	25	24	22	21	19	16
AMV16-3	3.0		41	40	38	37	34	32	26	25
AMV16-4	4.0		54	53	52	49	46	43	38	34
AMV16-5	5.5		68	67	65	62	58	54	48	43
AMV16-6	5.5		82	80	78	74	70	64	58	52
AMV16-7	7.5	H (m)	96	95	91	87	82	76	68	61
AMV16-8	7.5		110	108	104	99	94	86	77	70
AMV16-10	11		138	136	131	125	118	109	97	87
AMV16-12	11		166	162	157	150	141	130	116	105
AMV16-14	15		194	190	184	175	166	152	136	122
AMV16-16	15		222	217	210	200	189	174	156	140

Size and weight

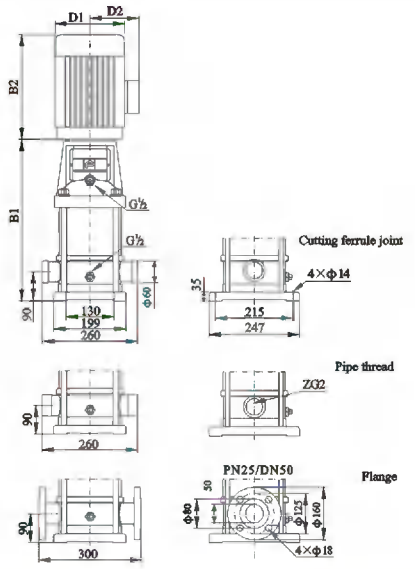
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AMV16-2	397	290	687	190	155	42
AMV16-3	452	315	767	197	165	52
AMV16-4	497	335	832	230	188	57
AMV16-5	562	430	992	260	208	72
AMV16-6	607	430	1037	260	208	77
AMV16-7	652	430	1082	260	208	82
AMV16-8	697	430	1127	260	208	82
AMV16-10	875	490	1365	330	255	142
AMV16-12	965	490	1455	330	255	147
AMV16-14	1055	490	1545	330	255	162
AMV16-16	1145	490	1635	330	255	167

Performance curve



AMV/AMVS20

Installation sketch



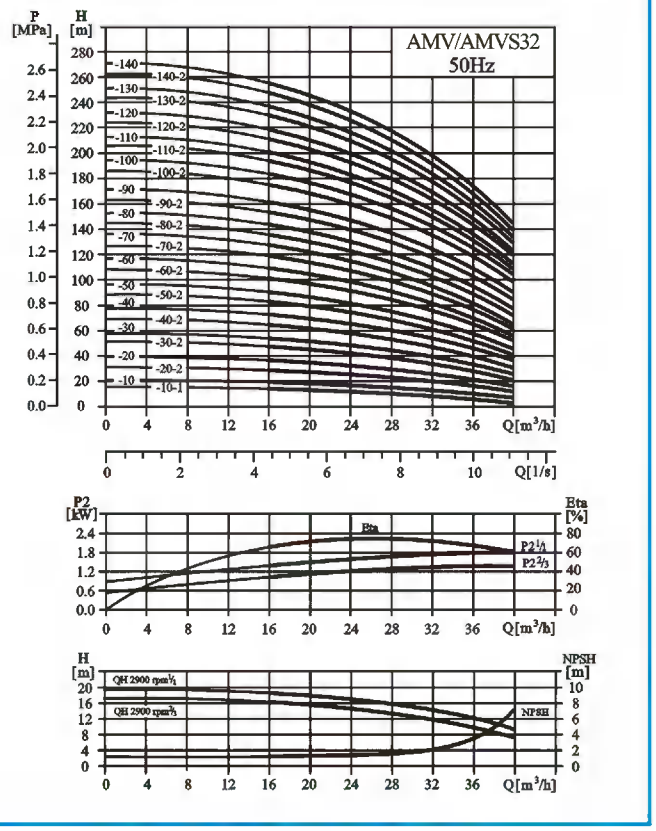
Performance table

Model	(kW)	Q (m^3/h)	10	12	14	16	18	20	22	24	26	28
AMV20-1	1.1		13.5	13	12.5	12	11	10	9	8	7	6
AMV20-2	2.2		27	26.5	26	25	24	23	22	20	18	15
AMV20-3	4.0		40	39.5	39	38	37	35	33	30	27	24
AMV20-4	5.5		54	53	52	51	49	47	44	41	37	33
AMV20-5	5.5		67	66	64	62	60	58	55	50	45	40
AMV20-6	7.5		81	79	77	75	73	70	66	61	55	49
AMV20-7	7.5	H (m)	95	93	91	89	86	82	77	71	65	58
AMV20-8	11		109	107	105	102	99	94	89	82	75	67
AMV20-10	11		136	134	131	128	124	118	111	103	95	85
AMV20-12	15		164	162	158	154	149	142	133	124	114	102
AMV20-14	15		192	189	185	180	174	166	156	145	133	119
AMV20-17	18.5		234	230	225	219	212	202	190	177	162	145

Size and weight

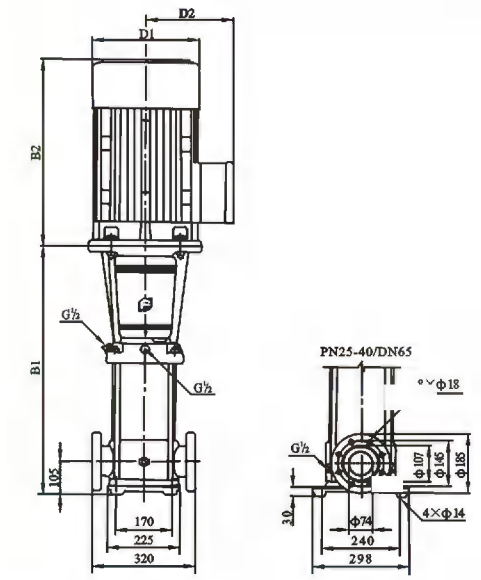
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AMV20-1	387	245	632	170	142	32
AMV20-2	397	290	687	190	155	43
AMV20-3	452	335	787	230	188	57
AMV20-4	517	430	947	260	208	72
AMV20-5	562	430	992	260	208	74
AMV20-6	607	430	1037	260	208	82
AMV20-7	652	430	1082	260	208	84
AMV20-8	785	490	1275	330	255	140
AMV20-10	875	490	1365	330	255	145
AMV20-12	965	490	1455	330	255	160
AMV20-14	1055	490	1545	330	255	165
AMV20-17	1190	550	1740	330	255	190

Performance curve



AMV/AMVS32

Installation sketch



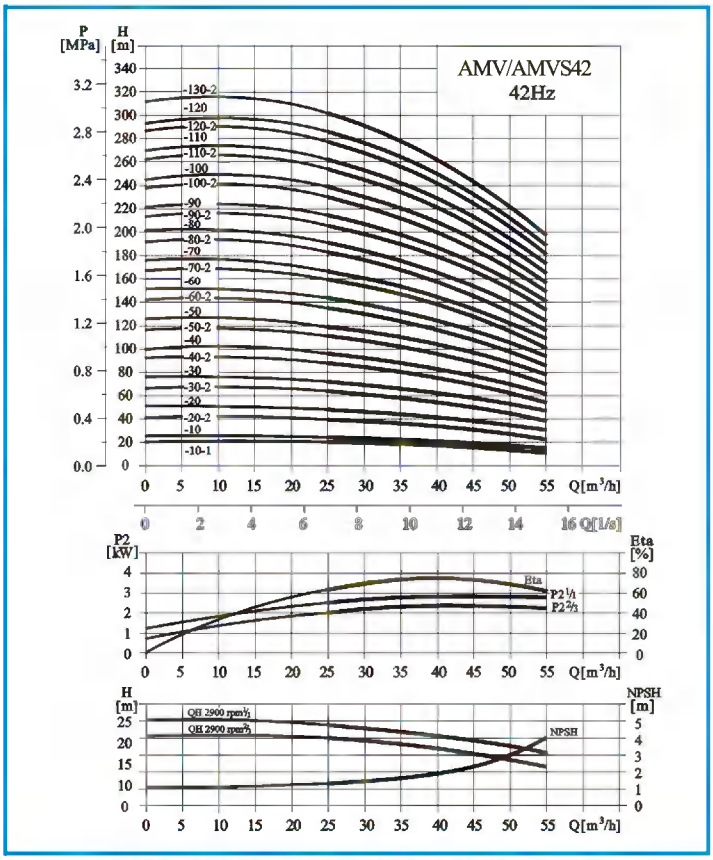
Performance table

Model	(kW)	Q (m^3/h)	16	20	24	28	32	36	40
AMV32-10-1	1.5		14	13	12	11	9	7	4
AMV32-10	2.2		13	17	15	14	13	11	8
AMV32-20-2	3.0		29	28	26	23	20	16	11
AMV32-20	4.0		36	34	32	29	27	23	18
AMV32-30-2	5.5		47	44	41	38	33	28	21
AMV32-30	5.5		54	51	48	44	40	35	27
AMV32-40-2	7.5		65	62	58	53	46	40	30
AMV32-40	7.5		72	69	65	59	53	47	37
AMV32-50-2	11		83	79	74	68	60	52	41
AMV32-50	11		90	86	81	74	67	59	47
AMV32-60-2	11		101	97	90	83	74	65	51
AMV32-60	11		108	104	97	90	81	72	57
AMV32-70-2	15		119	114	107	98	88	78	60
AMV32-70	15	H	126	121	113	105	95	85	67
AMV32-80-2	15	(m)	136	131	123	114	102	90	71
AMV32-80	15		144	138	130	120	109	97	77
AMV32-90-2	18.5		154	148	140	129	117	102	82
AMV32-90	18.5		162	156	147	136	124	109	88
AMV32-100-2	18.5		175	166	157	146	131	115	91
AMV32-100	18.5		182	173	164	152	138	122	98
AMV32-110-2	22		193	184	173	164	146	128	102
AMV32-110	22		200	191	180	168	153	135	109
AMV32-120-2	22		211	201	189	178	160	140	113
AMV32-120	22		218	208	196	184	167	147	120
AMV32-130-2	30		230	218	206	193	174	153	124
AMV32-130	30		237	225	213	200	181	160	131
AMV32-140-2	30		247	235	222	210	189	165	135
AMV32-140	30		255	242	229	216	196	172	142

Size and weight

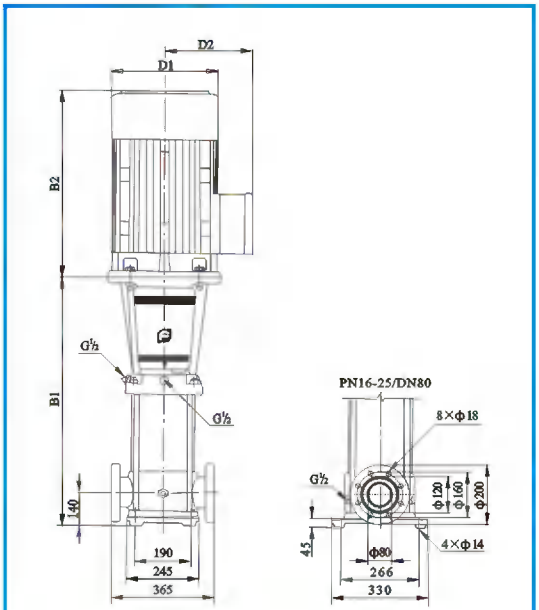
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AMV32-10-1/AMV32-10	505	290	795	190	155	68/71
AMV32-20-2/AMV32-20	575	315/335	890/910	197/230	165/180	78/84
AMV32-30-2/AMV32-30	645	430	1075	260	208	93
AMV32-40-2/AMV32-40	715	430	1145	260	208	102
AMV32-50-2/AMV32-50	890	490	1380	330	255	172
AMV32-60-2/AMV32-60	960	490	1450	330	255	176
AMV32-70-2/AMV32-70	1030	490	1520	330	255	188
AMV32-80-2/AMV32-80	1100	490	1590	330	255	192
AMV32-90-2/AMV32-90	1170	550	1720	330	255	218
AMV32-100-2/AMV32-100	1240	550	1790	330	255	222
AMV32-110-2/AMV32-110	1310	590	1900	360	285	259
AMV32-120-2/AMV32-120	1380	590	1970	360	285	263
AMV32-130-2/AMV32-130	1450	660	2110	400	310	327
AMV32-140-2/AMV32-140	1520	660	2180	400	310	331

Performance curve



AMV/AMVS42

Installation sketch



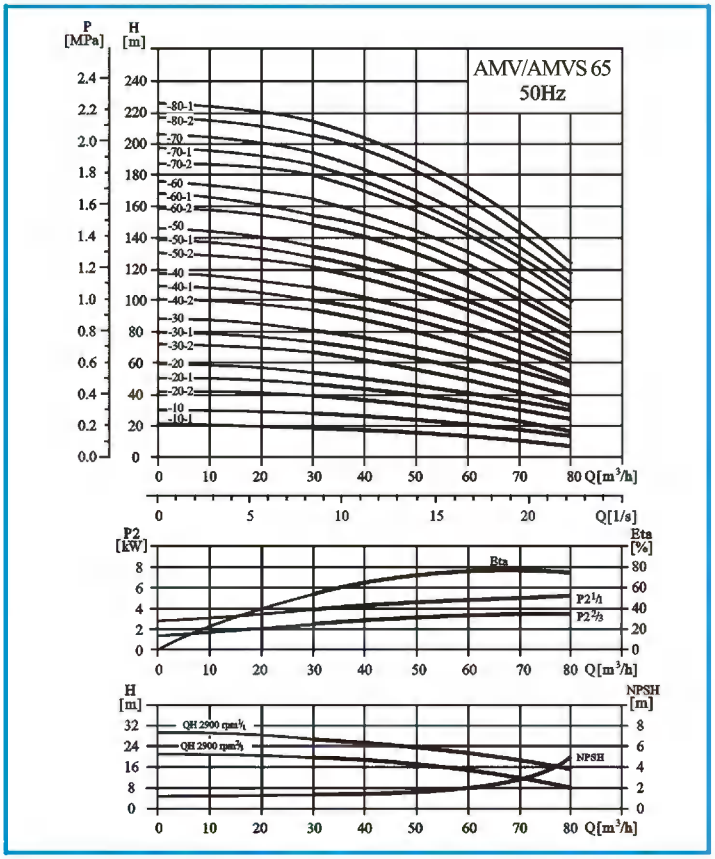
Performance table

Model	(kW)	Q (m^3/h)	25	30	35	40	42	45	50	55
AMV42-10/1	3.0		20	19	18	17	16	15	13	11
AMV42-10	4.0		24	23	22	21	20	19	18	16
AMV42-20-2	5.5		40	38	36	33	32	30	27	23
AMV42-20	7.5		48	46	44	42	41	39	35	31
AMV42-30-2	11		63	61	58	54	52	50	44	38
AMV42-30	11		71	69	66	63	61	58	53	47
AMV42-40-2	15		87	84	80	75	73	69	62	54
AMV42-40	15		95	92	88	84	81	78	71	52
AMV42-50-2	18.5		111	107	102	96	93	88	80	69
AMV42-50	18.5		119	115	110	105	101	97	88	78
AMV42-60-2	22		135	130	124	117	113	108	97	85
AMV42-60	22	H	143	138	132	125	122	116	106	93
AMV42-70-2	30	(m)	158	152	146	138	134	127	115	100
AMV42-70	30		166	161	154	146	142	135	124	109
AMV42-80-2	30		182	175	168	159	154	146	133	116
AMV42-80	30		190	184	176	167	162	154	141	124
AMV42-90-2	30		205	198	190	180	174	166	150	132
AMV42-90	37		214	207	198	188	183	174	159	140
AMV42-100-2	37		230	221	212	200	194	185	168	147
AMV42-100	37		238	230	220	209	203	193	177	155
AMV42-110-2	45		255	246	236	223	217	206	188	165
AMV42-110	45		263	255	244	232	225	214	196	173
AMV42-120-2	45		280	270	259	245	238	226	206	181
AMV42-120	45		289	280	268	255	247	236	216	190
AMV42-130-2	45		305	294	282	267	259	247	225	198

Size and weight

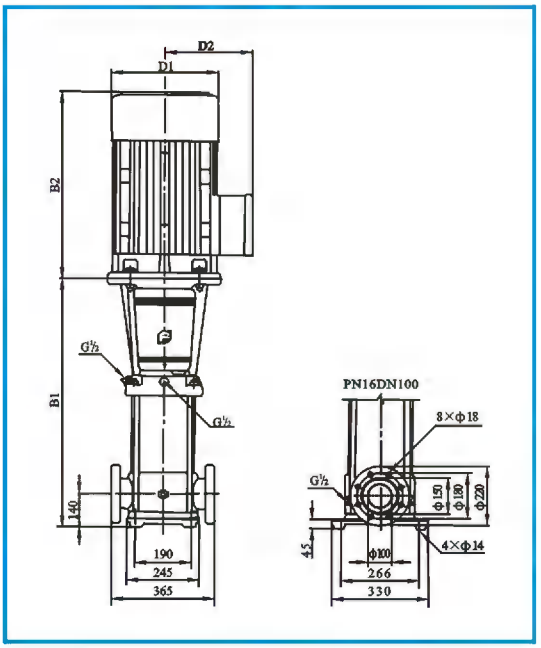
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AMV42-10-1	561	315/335	876/896	197/230	165/188	86/92
AMV42-10						
AMV42-20-2	641	430	1071	260	208	102/107
AMV42-20						
AMV42-30-2	826	490	1316	330	255	175
AMV42-30						
AMV42-40-2	906	490	1396	330	255	187
AMV42-40						
AMV42-50-2	986	550	1536	330	255	208
AMV42-50						
AMV42-60-2	1066	590	1656	360	285	251
AMV42-60						
AMV42-70-2	1146	660	1806	400	310	315
AMV42-70						
AMV42-80-2	1226	660	1886	400	310	319
AMV42-80						
AMV42-90-2	1306	660	1966	400	310	323/343
AMV42-90						
AMV42-100-2	1386	660	2046	400	310	347
AMV42-100						
AMV42-110-2	1466	700	2166	450	345	413
AMV42-110						
AMV42-120-2	1546	700	2246	450	345	417
AMV42-120						
AMV42-130-2	1626	700	2326	450	345	421

Performance curve



AMV/AMVS 65

Installation sketch



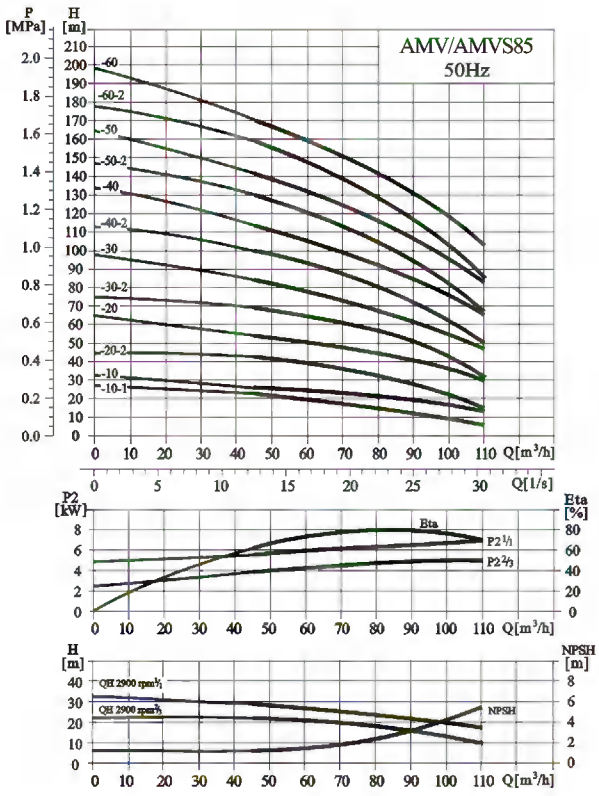
Performance table

Model	(kW)	Q (m^3/h)	30	40	50	60	65	70	80
AMV65-10-1	4.0		19	18	16	14	13	11	8
AMV65-10	5.5		27	25	23	21	20	18	15
AMV65-20-2	7.5		39	36	33	29	26	23	17
AMV65-20-1	11		46	44	40	36	33	30	24
AMV65-20	11		53	51	47	43	40	37	30
AMV65-30-2	15		66	62	56	50	46	41	32
AMV65-30-1	15		73	69	63	57	53	48	39
AMV65-30	18.5		80	76	70	64	60	55	46
AMV65-40-2	18.5		92	87	80	71	66	60	47
AMV65-40-1	22		100	94	87	78	73	67	54
AMV65-40	22	H	107	101	94	85	80	74	61
AMV65-50-2	30	(m)	121	114	105	95	88	80	64
AMV65-50-1	30		128	121	112	102	95	87	71
AMV65-50	30		136	129	119	109	102	94	78
AMV65-60-2	30		150	142	131	118	110	101	81
AMV65-60-1	37		157	149	138	125	117	108	88
AMV65-60	37		164	156	145	132	124	115	95
AMV65-70-2	37		179	169	156	141	132	121	99
AMV65-70-1	37		186	176	163	148	139	128	106
AMV65-70	45		193	183	170	155	146	135	112
AMV65-80-2	45		207	196	182	164	154	142	116
AMV65-80-1	45		215	203	189	171	161	149	123

Size and weight

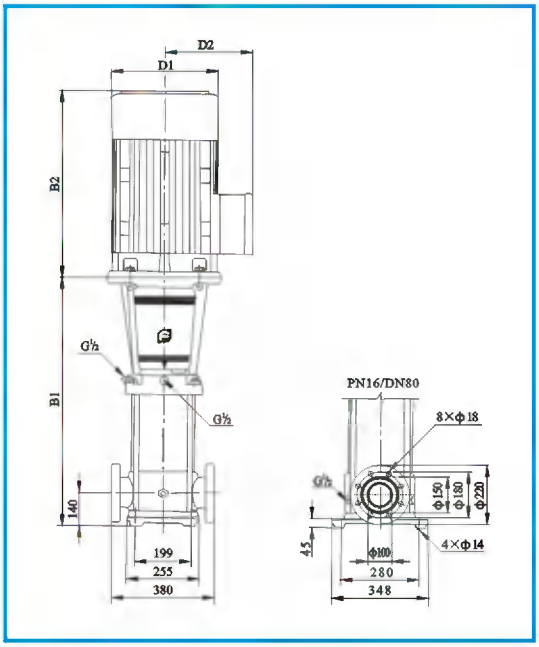
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AMV65-10-1	561	335	896	230	188	105
AMV65-10	561	430	991	260	208	110
AMV65-20-2	644	430	1074	260	208	120
AMV65-20-1	754	490	1244	330	255	155
AMV65-20	754	490	1244	330	255	155
AMV65-30-2	836	490	1326	330	255	195
AMV65-30-1	836	490	1326	330	255	195
AMV65-30	836	550	1386	330	255	205
AMV65-40-2	919	550	1469	330	255	208
AMV65-40-1	919	590	1509	360	285	260
AMV65-40	919	590	1509	360	285	260
AMV65-50-2	1001	660	1661	400	310	345
AMV65-50-1	1001	660	1661	400	310	345
AMV65-50	1001	660	1661	400	310	345
AMV65-60-2	1084	660	1744	400	310	350
AMV65-60-1	1084	660	1744	400	310	370
AMV65-60	1084	660	1744	400	310	370
AMV65-70-2	1166	660	1826	400	310	375
AMV65-70-1	1166	660	1826	400	310	375
AMV65-70	1166	700	1866	400	310	435
AMV65-80-2	1248	700	1948	460	340	440
AMV65-80-1	1248	700	1948	460	340	440

Performance curve



AMV/AMVS85

Installation sketch



Performance table

Model	(kW)	Q (m^3/h)	50	60	70	80	85	90	100	110
AMV85-10-1	5.5		22	19	17	16	14	13	10	6
AMV85-10	7.5		25	24	22	21	20	19	16	12
AMV85-20-2	11		41	39	36	32	30	28	22	15
AMV85-20	15		53	50	47	44	41	40	36	30
AMV85-30-2	18.5		68	65	60	55	52	49	41	32
AMV85-30	22	H (m)	81	77	72	67	64	62	55	48
AMV85-40-2	30		98	93	87	80	75	72	62	50
AMV85-40	30		110	105	100	92	86	84	76	66
AMV85-50-2	37		126	120	113	104	98	93	81	68
AMV85-50	37		139	131	124	115	110	106	94	83
AMV85-60-2	45		155	148	139	129	122	117	102	86
AMV85-60	45		168	160	150	141	134	130	117	103

Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AMV85-10-1	571	430	1001	260	208	120
AMV85-10	571	430	1001	260	208	122
AMV85-20-2	773	490	1263	330	255	165
AMV85-20	773	490	1263	330	255	198
AMV85-30-2	865	550	1415	330	255	212
AMV85-30	865	590	1455	360	285	265
AMV85-40-2	957	660	1617	400	310	348
AMV85-40	957	660	1617	400	310	348
AMV85-50-2	1049	660	1709	400	310	375
AMV85-50	1049	660	1709	400	310	375
AMV85-60-2	1141	700	1841	460	340	438
AMV85-60	1141	700	1841	460	340	438

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