



AS/AC Pump

AS/AC Pump Catalog

50HZ



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SHANGHAI PUMPINGTECH INTERNATIONAL CO.,LTD

Model specification

AS,AC1/2/3/4/5/8/10/12/15/16/20

A S/C 10-160 - 1

Vertical multistage centrifugal pump

S is stainless steel type

C is cast iron type

Rated capacity(m³/h)

Number of stages×10

A small number of impeller

AS,AC32/45/64/90

A S/C 45 - 50 - 2

Vertical multistage centrifugal pump

S is stainless steel type

C is cast iron type

Rated capacity(m³/h)

Number of stages×10

A small number of impeller

AS,AC100/130/160/190

A S/C100 - 50 - 2

Vertical multistage centrifugal pump

S is stainless steel type

C is cast iron type

Rated capacity(m³/h)

Number of stages×10

A small number of impeller

Applications

Water supply

- Waterfilter
- Supercharging
- Pressurization of hotels
- Industrial pressurization

Industrial boosting

- Cleaning system
- High pressure flushing system
- Firefighting system
- Car cleaning equipment

Industrial liquid transport

- Cooling air conditioning system
- Boiler feed water
- Condens sing system and cooling tower
- Machine tool cooling lubrication system

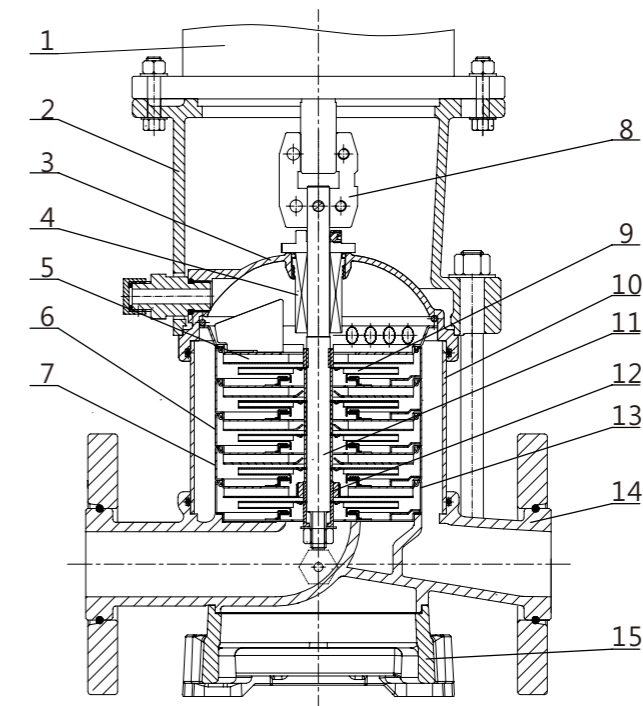
Water treatment

- Ultrafiltration system
- Reverse osmosis system
- Distillation system
- Separator
- Swimming pool

Irrigation

- Regional irrigation
- Sprinkler irrigation
- Drip irrigation
- Greenhouse irrigation

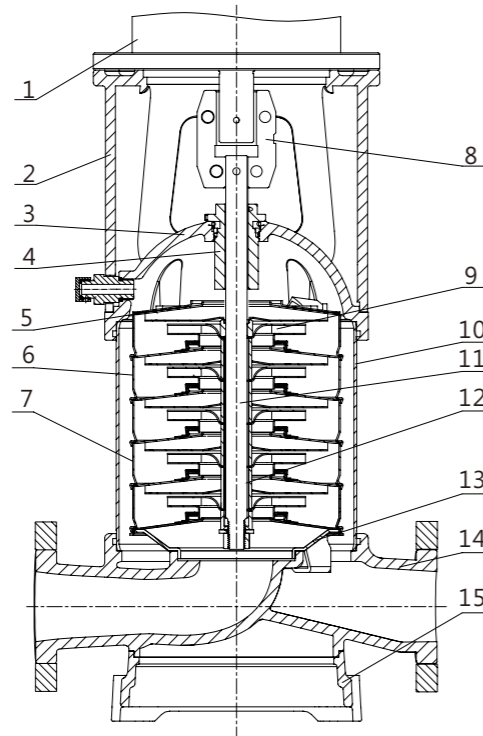
Structure AS/AC1,2,3,4,5



Materials AS/AC1,2,3,4,5

NO.	spare parts	Materials		GB		EN DIN		AISI/ASTM	
		AC	AS	AC	AS	AC	AS	AC	AS
1	Motor	/	/	/	/	/	/	/	/
2	Bracket	Ductile castiron		GB 1348-QT500-7		EN 1563 EN-GJS-500-7		ASTMA536 65-45-12	
3	Seal seat	Ductile castiron/ Stainless steel		GB 1348-QT500-7/ GB/T20878-06Cr19Ni10		EN 1563 EN-GJS-500-7/ EN 10088-1.4301		ASTMA536 65-45-12/ AISI304	
4	Mechanical seal	/	/	/	/	/	/	/	/
5	Top diffuser	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
6	Diffuser	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
7	Support diffuser	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
8	Cou piling	Ductile castiron		GB 1348-QT500-7		EN 1563 EN-GJS-500-7		ASTMA536 65-45-12	
9	Impeller	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
10	Sleeve	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
11	Shaft	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
12	Bearing	Silicon carbide/ Tungsten carbide		/		/		/	
13	Inducer	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
14	Chamer	Ductile castiron/ Stainless steel		GB 1348-QT500-7/ GB/T20878-06Cr19Ni10		EN 1563 EN-GJS-500-7/ EN 10088-1.4301		ASTMA536 65-45-12/ AISI304	
15	Base	Ductile castiron		GB 1348-QT500-7		EN 1563 EN-GJS-500-7		ASTMA536 65-45-12	

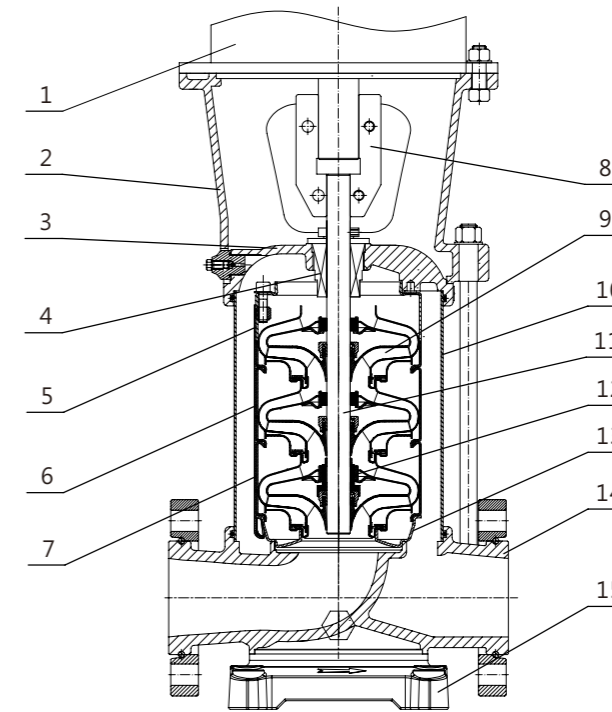
Structure AS/AC8,10,12,15,16,20



Materials AS/AC8,10,12,15,16,20

NO.	spare parts	Materials		GB		EN DIN		AISI/ASTM	
		AC	AS	AC	AS	AC	AS	AC	AS
1	Motor	/		/				/	
2	Bracket	Ductile castiron		GB 1348-QT500-7		EN 1563 EN-GJS-500-7		ASTMA536 65-45-12	
3	Seal seat	Ductile castiron/ Stainless steel		GB 1348-QT500-7/ GB/T20878-06Cr19Ni10		EN 1563 EN-GJS-500-7/ EN 10088-1.4301		ASTMA536 65-45-12/ AISI304	
4	Mechanical seal	/		/		/		/	
5	Top diffuser	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
6	Diffuser	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
7	Support diffuser	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
8	Coupling	Ductile castiron		GB 1348-QT500-7		EN 1563 EN-GJS-500-7		ASTMA536 65-45-12	
9	Impeller	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
10	Sleeve	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
11	Shaft	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
12	Bearing	Silicon carbide/ Tungsten carbide		/		/		/	
13	Inducer	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
14	Chamer	Ductile castiron/ Stainless steel		GB 1348-QT500-7/ GB/T20878-06Cr19Ni10		EN 1563 EN-GJS-500-7/ EN 10088-1.4301		ASTMA536 65-45-12/ AISI304	
15	Base	Ductile castiron		GB 1348-QT500-7		EN 1563 EN-GJS-500-7		ASTMA536 65-45-12	

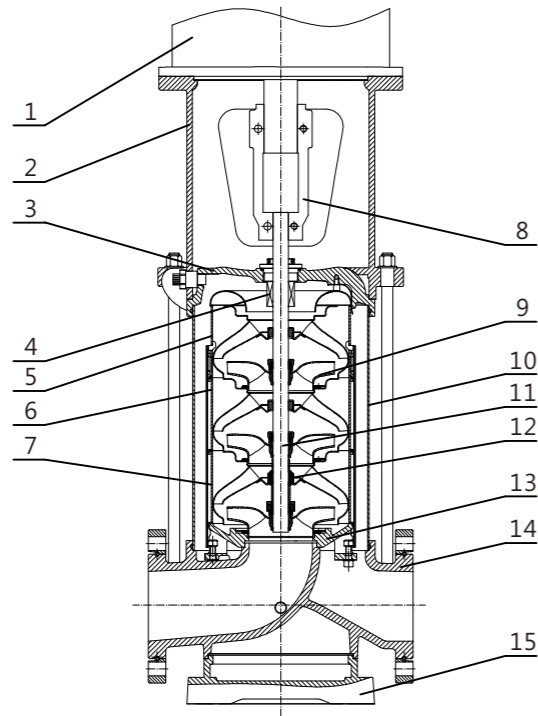
Structure AS/AC32,45,64,90



Materials AS/AC32,45,64,90

NO.	spare parts	Materials		GB		EN DIN		AISI/ASTM	
		AC	AS	AC	AS	AC	AS	AC	AS
1	Motor	/		/				/	
2	Bracket	Ductile castiron		GB 1348-QT500-7		EN 1563 EN-GJS-500-7		ASTMA536 65-45-12	
3	Seal seat	Ductile castiron/ Stainless steel		GB 1348-QT500-7/ GB/T20878-06Cr19Ni10		EN 1563 EN-GJS-500-7/ EN 10088-1.4301		ASTMA536 65-45-12/ AISI304	
4	Mechanical seal	/		/		/		/	
5	Top diffuser	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
6	Diffuser	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
7	Support diffuser	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
8	Coupling	Ductile castiron		GB 1348-QT500-7		EN 1563 EN-GJS-500-7		ASTMA536 65-45-12	
9	Impeller	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
10	Sleeve	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
11	Shaft	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
12	Bearing	Silicon carbide/ Tungsten carbide		/		/		/	
13	Inducer	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
14	Chamer	Ductile castiron/ Stainless steel		GB 1348-QT500-7/ GB/T20878-06Cr19Ni10		EN 1563 EN-GJS-500-7/ EN 10088-1.4301		ASTMA536 65-45-12/ AISI304	
15	Base	Ductile castiron		GB 1348-QT500-7		EN 1563 EN-GJS-500-7		ASTMA536 65-45-12	

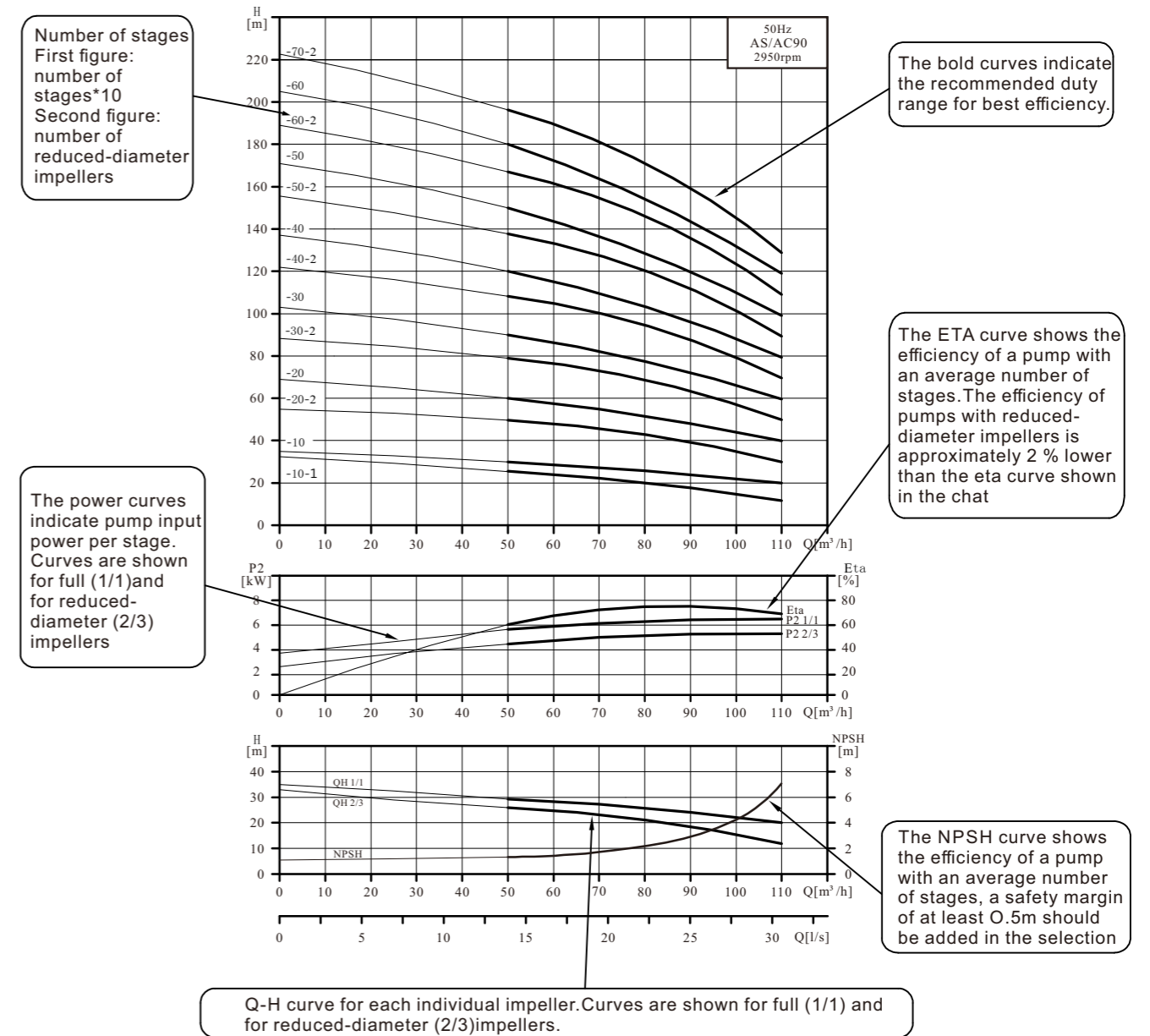
Structure AS/AC100,130,160,190



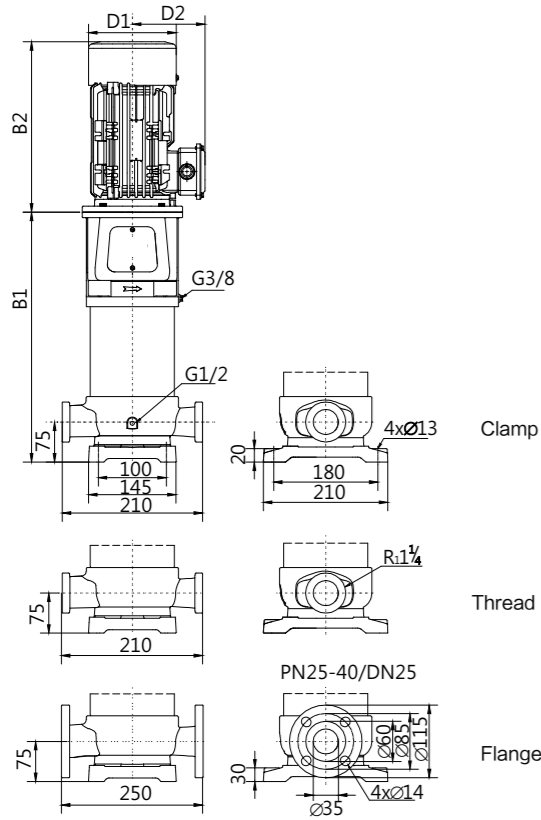
Materials AS/AC100,130,160,190

NO.	spare parts	Materials		GB		EN DIN		AISI/ASTM	
		AC	AS	AC	AS	AC	AS	AC	AS
1	Motor	/		/		/		/	
2	Bracket	Ductile castiron		GB 1348-QT500-7		EN 1563 EN-GJS-500-7		ASTMA536 65-45-12	
3	Seal seat	Ductile castiron/ Stainless steel		GB 1348-QT500-7/ GB/T20878-06Cr19Ni10		EN 1563 EN-GJS-500-7/ EN 10088-1.4301		ASTMA536 65-45-12/ AISI304	
4	Mechanical seal	/		/		/		/	
5	Top diffuser	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
6	Diffuser	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
7	Support diffuser	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
8	Coupling	Ductile castiron		GB 1348-QT500-7		EN 1563 EN-GJS-500-7		ASTMA536 65-45-12	
9	Impeller	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
10	Sleeve	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
11	Shaft	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
12	Bearing	Silicon carbide/ Tungsten carbide		/		/		/	
13	Inducer	Stainless steel		GB/T20878-06Cr19Ni10		EN 10088-1.4301		AISI304	
14	Chamer	Ductile castiron/ Stainless steel		GB 1348-QT500-7/ GB/T20878-06Cr19Ni10		EN 1563 EN-GJS-500-7/ EN 10088-1.4301		ASTMA536 65-45-12/ AISI304	
15	Base	Ductile castiron		GB 1348-QT500-7		EN 1563 EN-GJS-500-7		ASTMA536 65-45-12	

Performance cruve



Installation dimensions and weight

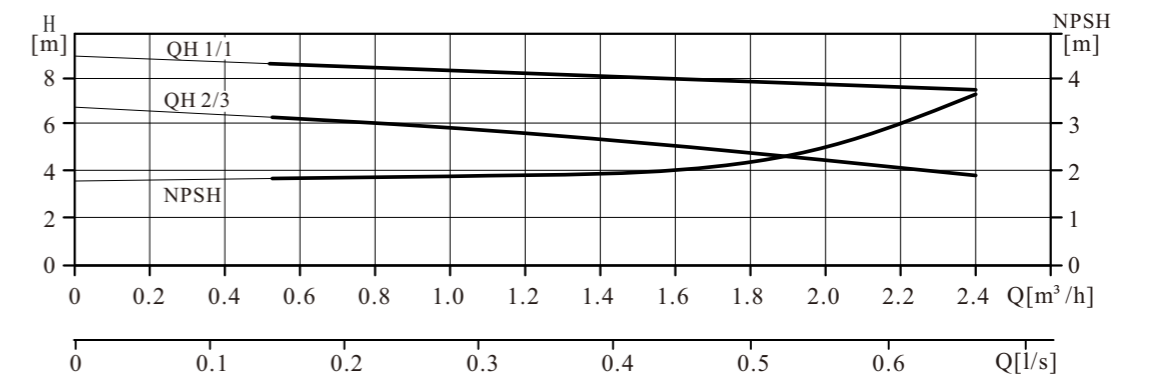
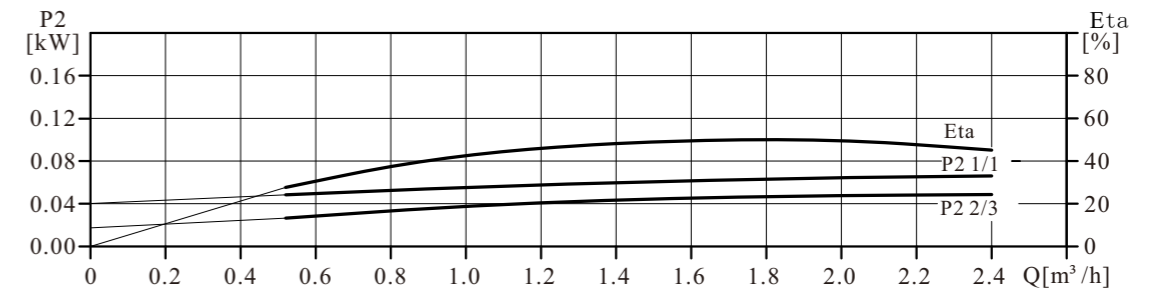
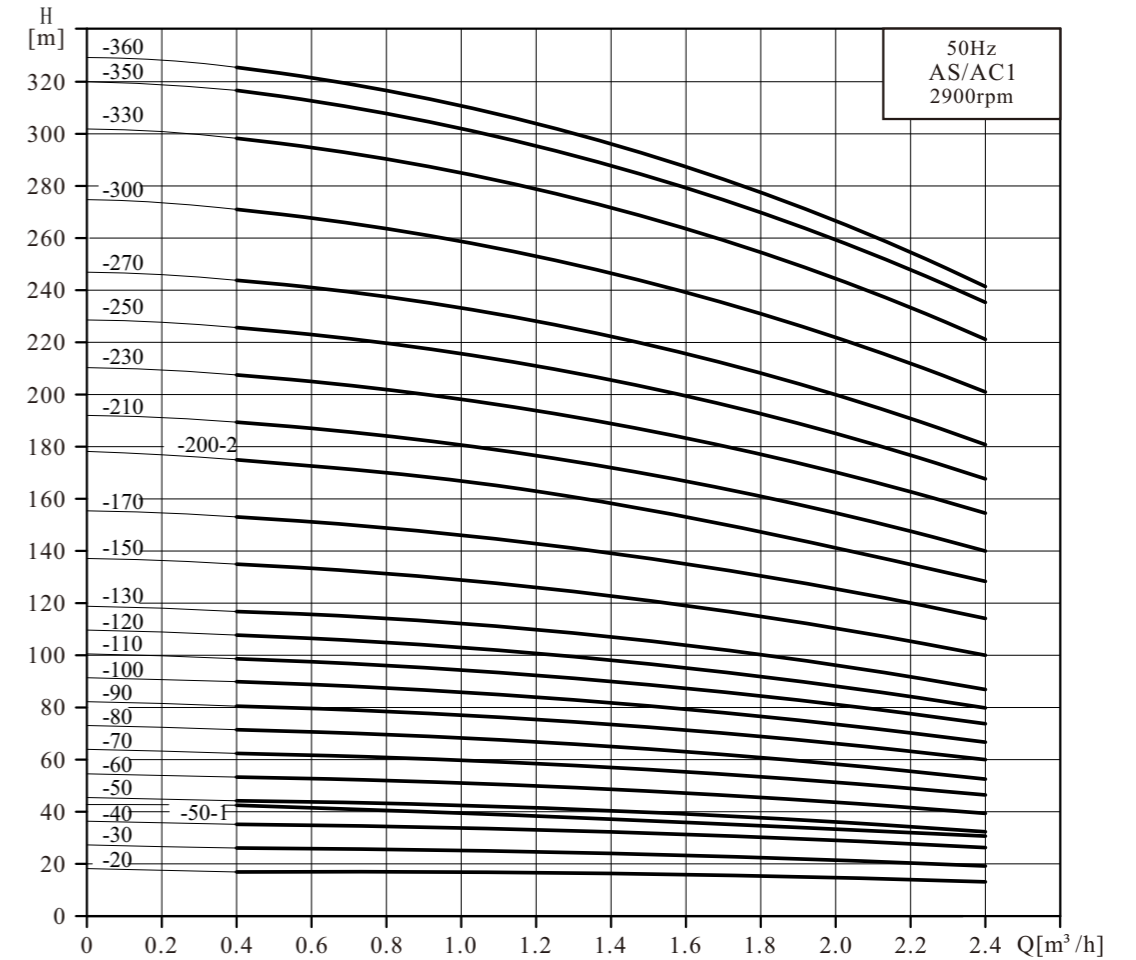


Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS1-20	262	240	502	148	117	23
AS1-30	280	240	520	148	117	23
AS1-40	298	240	538	148	117	24
AS1-50-1	316	240	556	148	117	25
AS1-50	316	240	556	148	117	25
AS1-60	334	240	574	148	117	26
AS1-70	352	240	592	148	117	27
AS1-80	370	280	650	170	142	36
AS1-90	398	280	678	170	142	37
AS1-100	416	280	696	170	142	38
AS1-110	434	280	714	170	142	40
AS1-120	452	280	732	170	142	41
AS1-130	470	280	750	170	142	42
AS1-150	506	280	786	170	142	43
AS1-170	542	350	892	190	155	51
AS1-200-2	606	350	956	190	155	53
AS1-210	624	350	974	190	155	58
AS1-230	660	350	1010	190	155	59
AS1-250	696	350	1046	190	155	61
AS1-270	732	350	1082	190	155	62
AS1-300	786	350	1136	190	155	64
AS1-330	840	410	1250	196	165	73
AS1-350	876	410	1286	196	165	74
AS1-360	904	410	1314	196	165	75

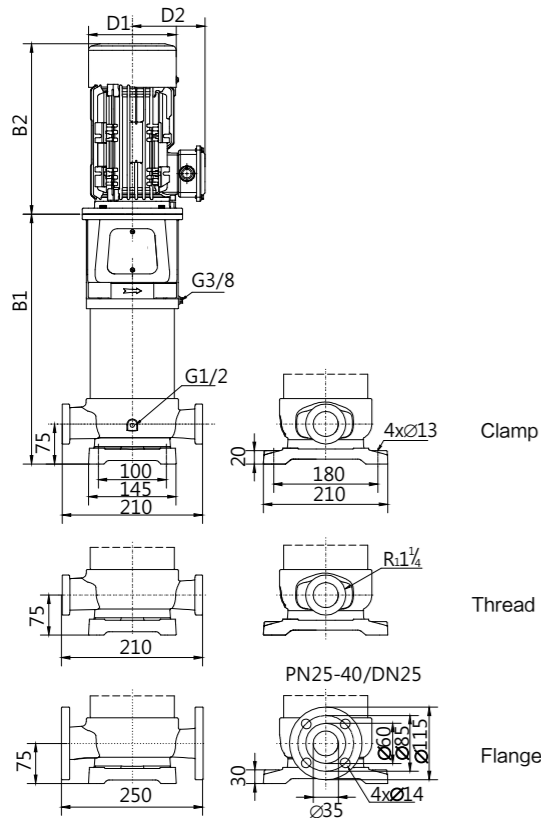
Performance data

Model	Power (kW)	Q (m³/h)	H (m)											
			0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2	2.2	2.4	
AS1-20	0.37		18	17.7	17.4	17	16.8	16.5	16	15.5	15	14	13	
AS1-30	0.37		27	26.7	26.4	26	25	24.5	24	23	22	21	20	
AS1-40	0.37		36	35.5	35	34	33.5	33	32	31	30	28	27	
AS1-50-1	0.37		43	42	41	39.5	39	38	37	36	34	33	31	
AS1-50	0.55		45	44.5	44	43	42	41	40	38.5	37	35	33.5	
AS1-60	0.55		54	53.5	53	51	50	49	48	46	44	42	40	
AS1-70	0.55		63	62.5	61.5	60	59	58	56	54	52	50	47	
AS1-80	0.75		72	71.5	70	69	67	66	64	62	59	57	54	
AS1-90	0.75		81	80	79	77	76	74	72	69	67	64	60	
AS1-100	0.75		90	89	88	86	84	82	80	77	74	71	67	
AS1-110	1.1		99	98	97	94	93	90	88	85	81	78	74	
AS1-120	1.1		108	107	105	103	101	99	96	93	89	85	80	
AS1-130	1.1		117	116	114	111	110	107	104	100	96	92	87	
AS1-150	1.1		135	134	132	129	126	123	120	116	111	106	100	
AS1-170	1.5		153	151.5	150	146	143	140	135	131	126	120	114	
AS1-200-2	1.5		175	173	170	167	163	158	153	148	142	136	128	
AS1-210	2.2		189	187.5	185	180	177	173	167	162	155	149	141	
AS1-230	2.2		207	205	202	197	194	189	183	177	170	163	154	
AS1-250	2.2		225	223	220	214	211	206	199	193	185	177	167	
AS1-270	2.2		243	241	238	231	227	222	215	208	200	191	181	
AS1-300	2.2		270	268	264	257	253	247	239	231	222	212	201	
AS1-330	3		297	295	290	283	278	271	263	255	244	234	221	
AS1-350	3		315	312	308	300	295	288	279	270	259	248	234	
AS1-360	3		324	321	317	309	303	296	287	278	266	255	241	

Performance curve



Installation dimensions and weight



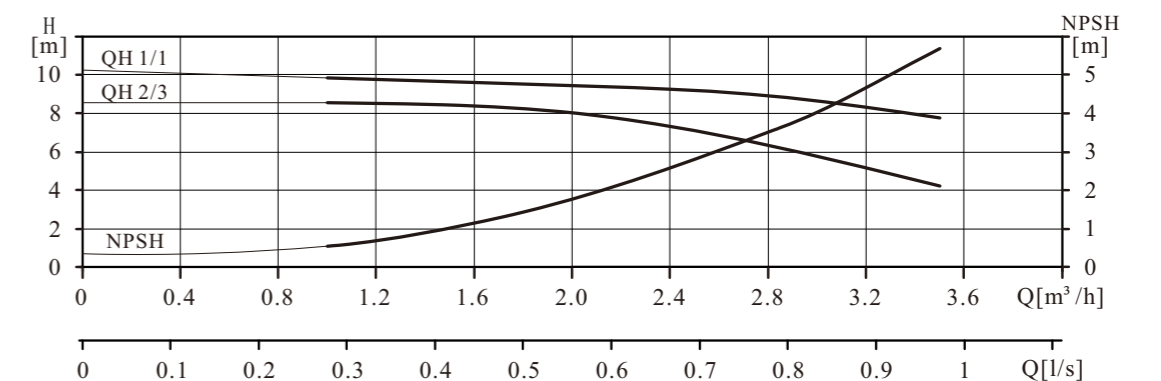
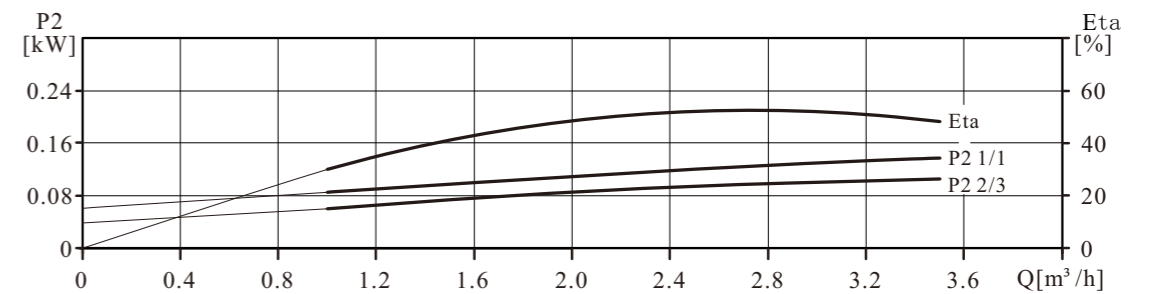
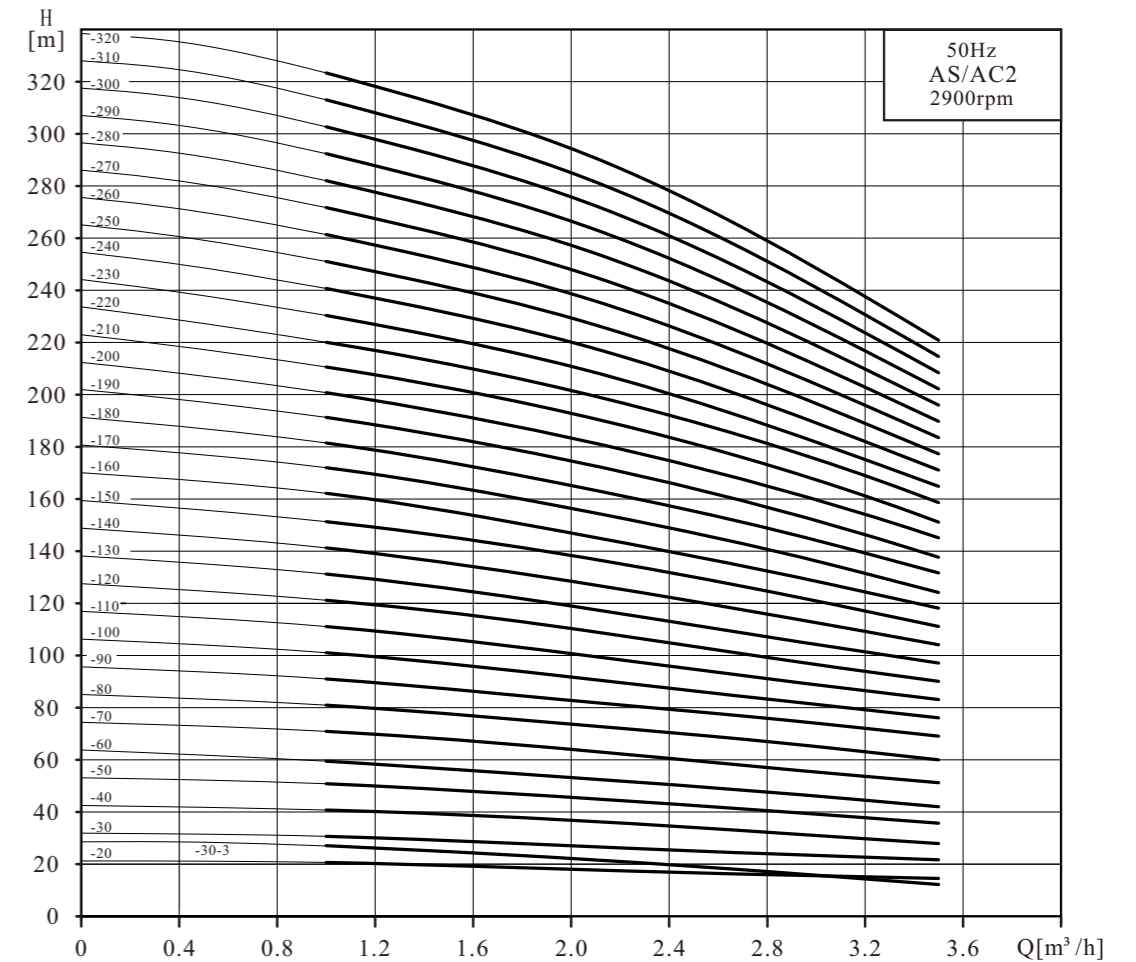
Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS2-20	262	240	502	148	117	23
AS2-30-3	280	240	520	148	117	23
AS2-30	280	240	520	148	117	25
AS2-40	298	240	538	148	117	25
AS2-50	326	280	606	170	142	35
AS2-60	344	280	624	170	142	35
AS2-70	362	280	642	170	142	38
AS2-80	380	280	660	170	142	39
AS2-90	398	280	678	170	142	39
AS2-100	426	350	776	190	155	47
AS2-110	444	350	794	190	155	47
AS2-120	462	350	812	190	155	48
AS2-130	480	350	830	190	155	53
AS2-140	498	350	848	190	155	53
AS2-150	516	350	866	190	155	54
AS2-160	534	350	884	190	155	55
AS2-170	552	350	902	190	155	55
AS2-180	570	350	920	190	155	56
AS2-190	598	410	1008	196	165	63
AS2-200	616	410	1026	196	165	64
AS2-210	634	410	1044	196	165	65
AS2-220	652	410	1062	196	165	65
AS2-230	670	410	1080	196	165	66
AS2-240	688	410	1098	230	185	76
AS2-250	706	410	1116	230	185	76
AS2-260	724	410	1134	230	185	77
AS2-270	742	410	1152	230	185	78
AS2-280	760	410	1170	230	185	79
AS2-290	778	410	1188	230	185	79
AS2-300	796	410	1206	230	185	80
AS2-310	834	465	1299	260	210	105
AS2-320	852	465	1317	260	210	105

Performance data

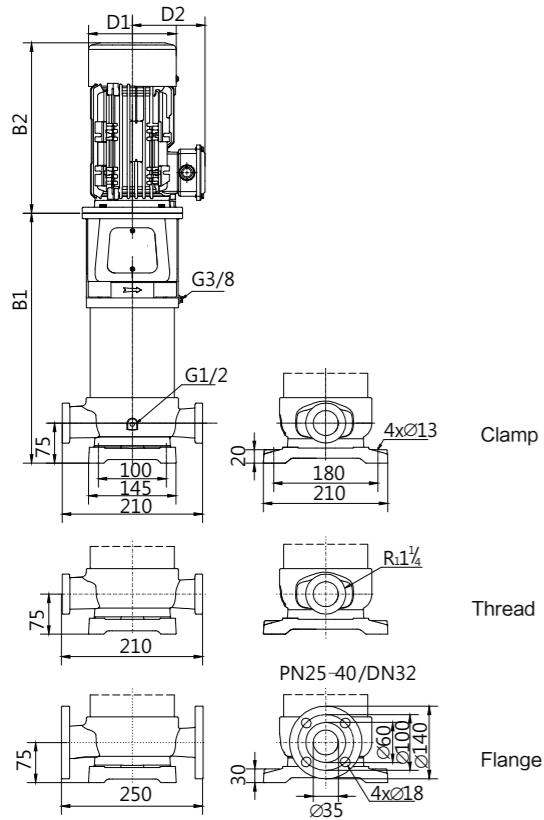
Model	Power (kW)	Q (m³/h)	H (m)								
			1.0	1.2	1.6	2.0	2.4	2.8	3.2	3.5	
AS2-20	0.37		21	20	19	18	17	16	15	13	
AS2-30-3	0.37		27	26	24	22	20	18	15	12	
AS2-30	0.55		31	30	28	27	26	24	22	20	
AS2-40	0.55		41	40	38	37	35	32	30	27	
AS2-50	0.75		51	50	48	45	43	40	38	34	
AS2-60	0.75		59	57	54	52	48	44	40	35	
AS2-70	1.1		71	70	67	64	61	56	53	48	
AS2-80	1.1		81	80	77	74	70	65	61	55	
AS2-90	1.1		91	90	86	82	78	73	68	62	
AS2-100	1.5		101	100	96	92	87	81	76	69	
AS2-110	1.5		111	110	105	101	96	89	84	76	
AS2-120	1.5		121	120	115	111	105	97	91	83	
AS2-130	2.2		131	130	124	120	113	105	99	90	
AS2-140	2.2		141	140	134	129	122	113	107	97	
AS2-150	2.2		151	150	143	138	131	121	114	104	
AS2-160	2.2		162	160	153	148	140	130	122	111	

Model	Power (kW)	Q (m³/h)	H (m)								
			1.0	1.2	1.6	2.0	2.4	2.8	3.2	3.5	
AS2-170	2.2		172	170	163	157	149	138	130	118	
AS2-180	2.2		181	180	172	165	157	146	137	124	
AS2-190	3		191	190	182	174	166	154	145	131	
AS2-200	3		201	200	191	183	174	162	152	138	
AS2-210	3		211	210	201	193	183	170	160	145	
AS2-220	3		221	220	210	202	192	178	167	152	
AS2-230	3		232	230	221	212	200	186	175	159	
AS2-240	4		242	240	230	221	209	194	182	166	
AS2-250	4		253	250	240	230	218	203	190	173	
AS2-260	4		263	260	250	239	226	211	198	179	
AS2-270	4		273	270	259	248	235	219	205	186	
AS2-280	4		283	280	269	258	244	227	213	193	
AS2-290	4		293	290	278	267	252	235	220	200	
AS2-300	4		303	300	288	276	261	243	228	207	
AS2-310	5.5		313	310	298	285	270	251	236	214	
AS2-320	5.5		323	320	307	294	278	259	243	221	

Performance curve



Installation dimensions and weight



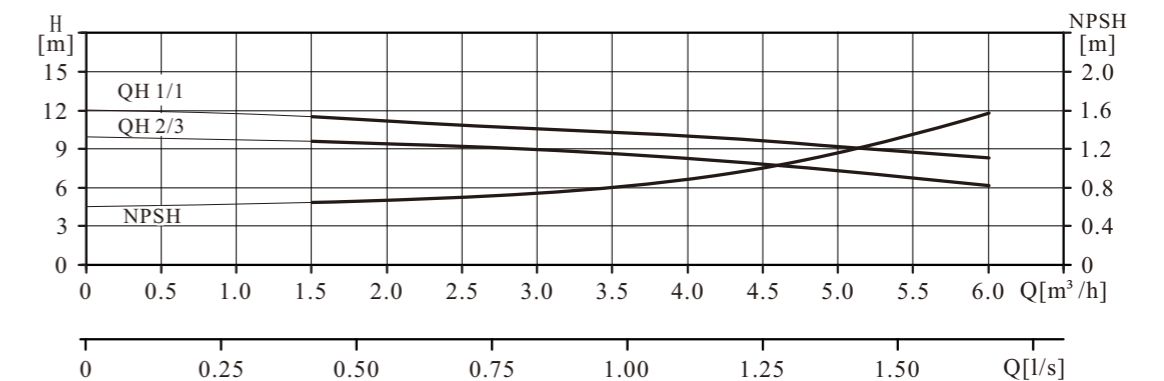
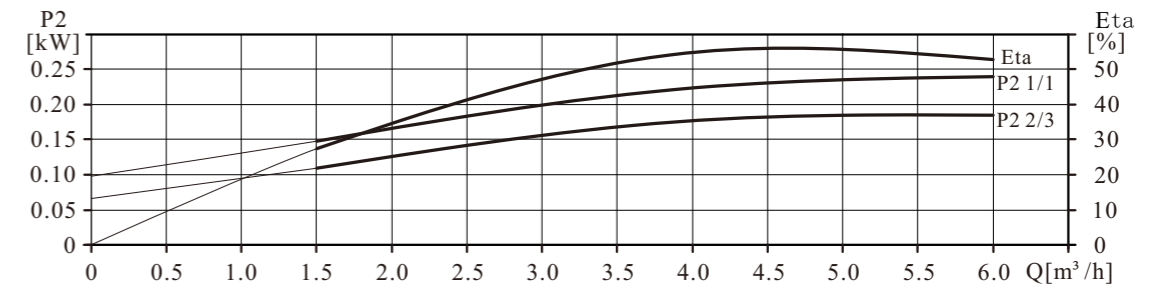
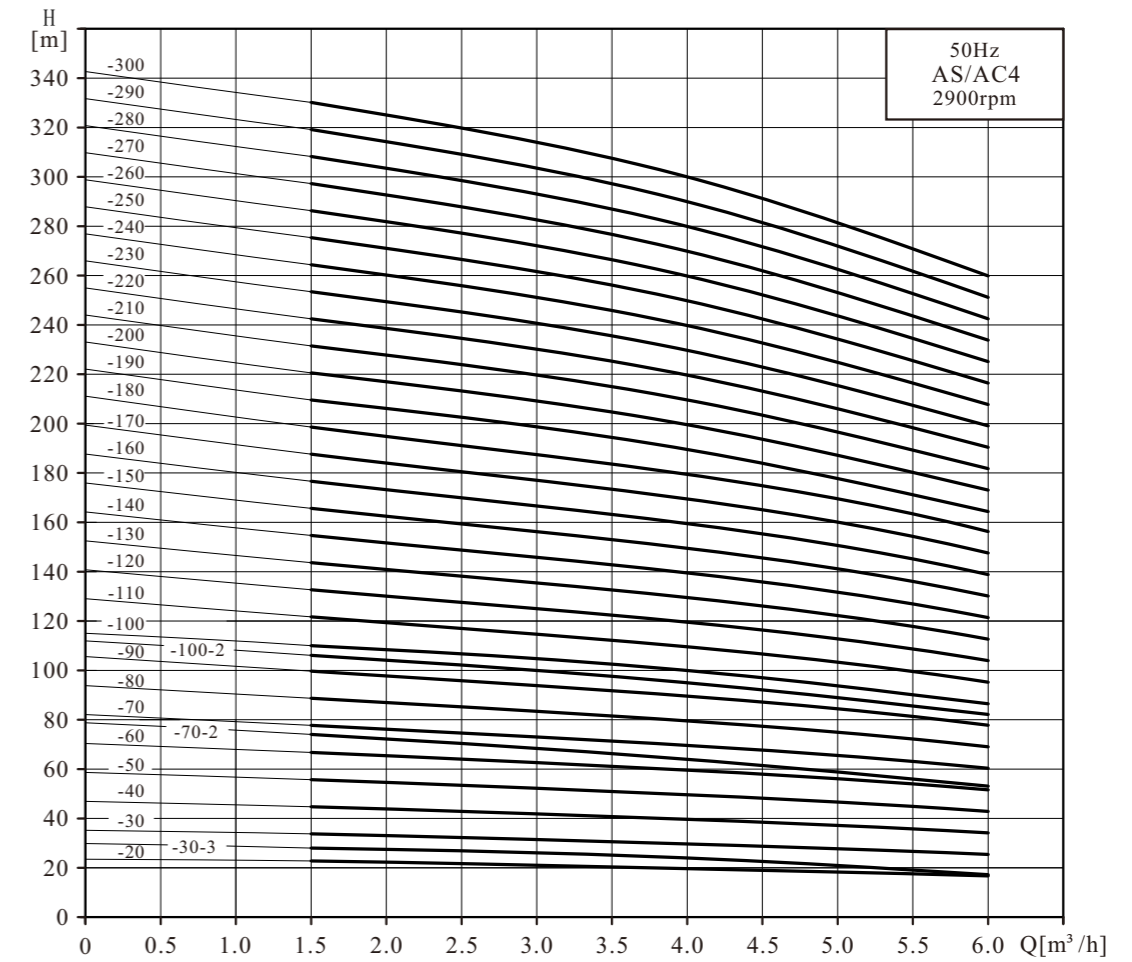
Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS4-20	280	240	520	148	117	24
AS4-30-3	307	240	547	148	117	25
AS4-30	317	280	597	170	142	34
AS4-40	344	280	624	170	142	37
AS4-50	371	280	651	170	142	37
AS4-60	408	350	758	190	155	45
AS4-70-2	435	350	785	190	155	45
AS4-70	435	350	785	190	155	50
AS4-80	462	350	812	190	155	51
AS4-90	489	350	839	190	155	51
AS4-100-2	516	350	866	190	155	52
AS4-100	526	410	936	196	165	59
AS4-110	553	410	963	196	165	60
AS4-120	580	410	990	196	165	61
AS4-130	607	410	1017	196	165	61
AS4-140	634	410	1044	230	185	71
AS4-150	661	410	1071	230	185	72
AS4-160	688	410	1098	230	185	72
AS4-170	715	410	1125	230	185	73
AS4-180	742	410	1152	230	185	74
AS4-190	789	465	1254	260	210	99
AS4-200	816	465	1281	260	210	99
AS4-210	843	465	1308	260	210	100
AS4-220	870	465	1335	260	210	101
AS4-230	897	465	1362	260	210	108
AS4-240	924	465	1389	260	210	109
AS4-250	951	465	1416	260	210	110
AS4-260	978	465	1443	260	210	110
AS4-270	1005	465	1470	260	210	111
AS4-280	1032	465	1497	260	210	112
AS4-290	1059	465	1524	260	210	113
AS4-300	1086	465	1551	260	210	113

Performance data

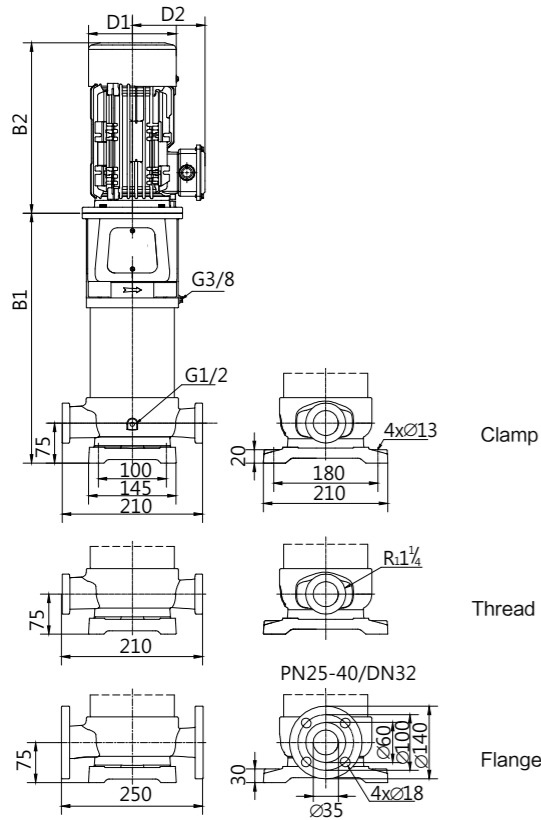
Model	Power (kW)	Q (m³/h)	H (m)					
			1.5	2.0	3.0	4.0	5.0	6.0
AS4-20	0.55		23	22	21	20	18	17
AS4-30-3	0.55		28	27	26	24	20	18
AS4-30	0.75		33	32	31	30	28	26
AS4-40	1.1		44	43	41	40	38	35
AS4-50	1.1		55	54	52	50	47	44
AS4-60	1.5		66	65	62	60	56	53
AS4-70-2	1.5		74	72	68	64	59	53
AS4-70	2.2		77	75	73	70	66	61
AS4-80	2.2		88	86	83	80	75	70
AS4-90	2.2		98	97	93	90	85	79
AS4-100-2	2.2		106	104	100	95	90	84
AS4-100	3		110	108	104	100	95	88
AS4-110	3		121	119	114	110	104	97
AS4-120	3		132	130	125	120	113	106
AS4-130	3		143	140	135	130	123	114
AS4-140	4		154	152	145	140	132	123

Model	Power (kW)	Q (m³/h)	H (m)					
			1.5	2.0	3.0	4.0	5.0	6.0
AS4-150	4		165	162	156	150	142	132
AS4-160	4		176	173	166	160	151	141
AS4-170	4		187	184	177	170	161	150
AS4-180	4		198	195	187	180	170	159
AS4-190	5.5		210	206	199	190	178	164
AS4-200	5.5		200	217	209	200	187	173
AS4-210	5.5		231	228	220	210	197	182
AS4-220	5.5		242	238	230	220	206	190
AS4-230	7.5		253	249	240	230	215	199
AS4-240	7.5		264	260	251	240	225	208
AS4-250	7.5		275	271	261	250	234	216
AS4-260	7.5		286	282	272	260	244	225
AS4-270	7.5		297	292	282	270	253	234
AS4-280	7.5		308	303	293	280	263	242
AS4-290	7.5		319	314	303	290	290	251
AS4-300	7.5		330	325	314	300	282	236

Performance curve



Installation dimensions and weight

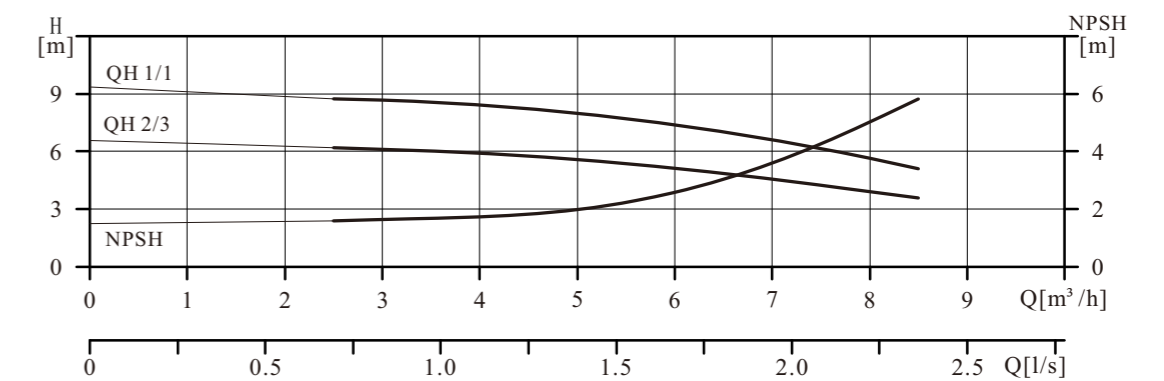
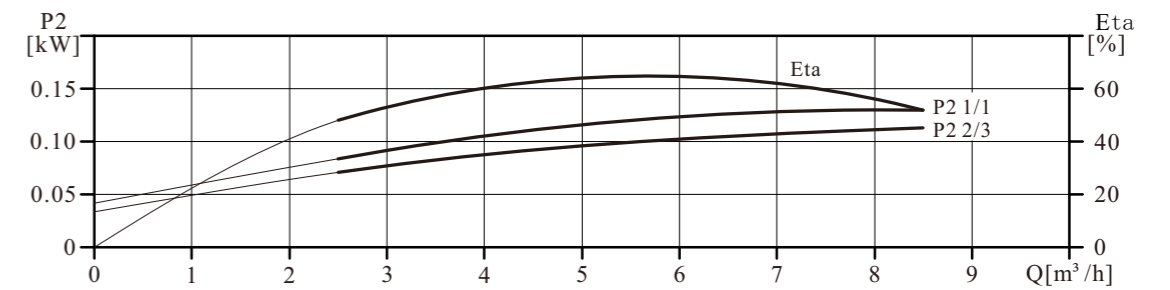
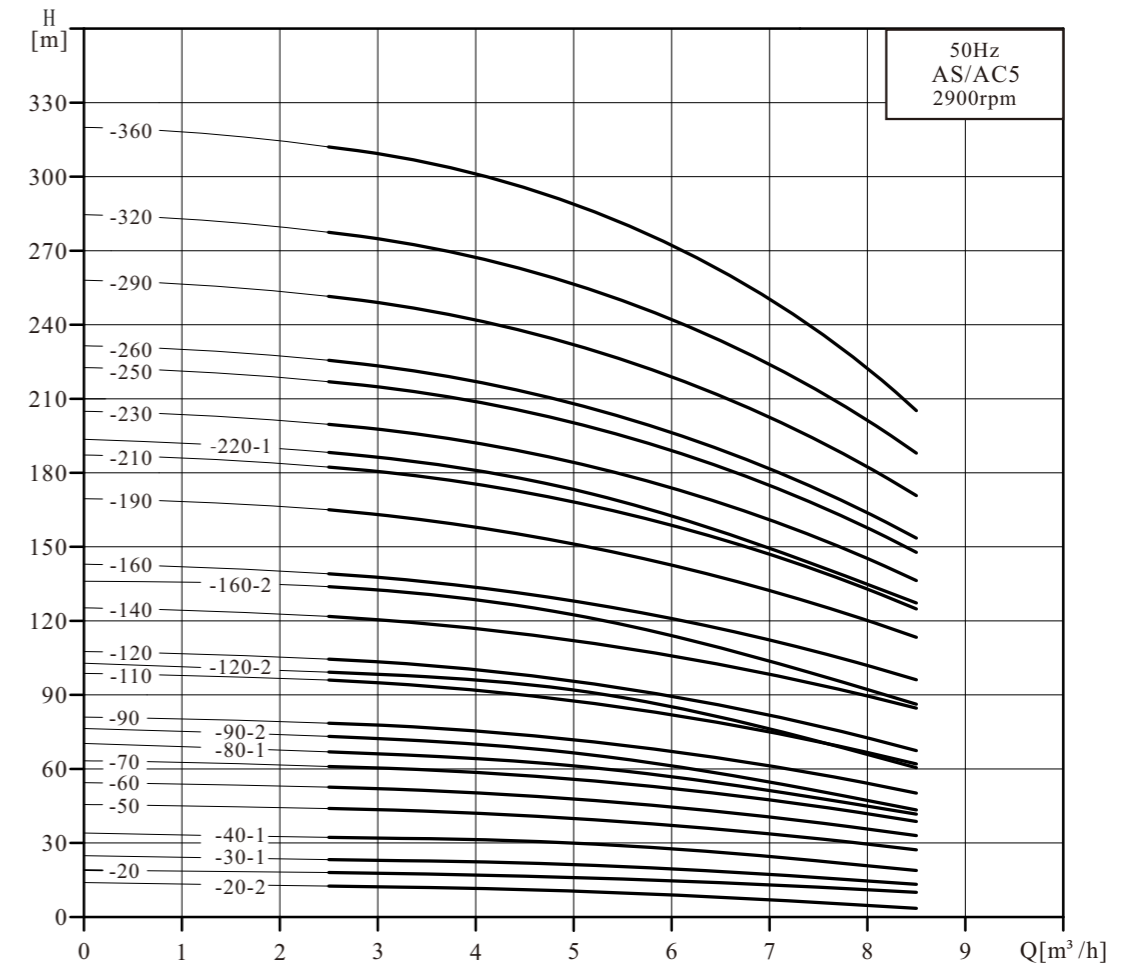


Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS5-20-2	280	240	520	148	117	23
AS5-20	280	240	520	148	117	24
AS5-30-1	307	240	547	148	117	24
AS5-40-1	344	280	624	170	142	34
AS5-50	371	280	651	170	142	36
AS5-60	398	280	678	170	142	37
AS5-70	435	350	785	190	155	44
AS5-80-1	462	350	812	190	155	45
AS5-90-2	489	350	839	190	155	46
AS5-90	489	350	839	190	155	50
AS5-110	543	350	893	190	155	50
AS5-120-2	570	350	920	190	155	51
AS5-120	570	350	920	190	155	52
AS5-140	634	410	1044	196	165	59
AS5-160-2	688	410	1098	196	165	61
AS5-160	688	410	1098	196	165	61
AS5-190	769	410	1179	230	185	72
AS5-210	823	410	1233	230	185	74
AS5-220-1	850	410	1260	230	185	74
AS5-230	897	465	1362	260	210	99
AS5-250	951	465	1416	260	210	100
AS5-260	978	465	1443	260	210	101
AS5-290	1059	465	1524	260	210	110
AS5-320	1140	465	1605	260	210	112
AS5-360	1248	465	1713	260	210	115

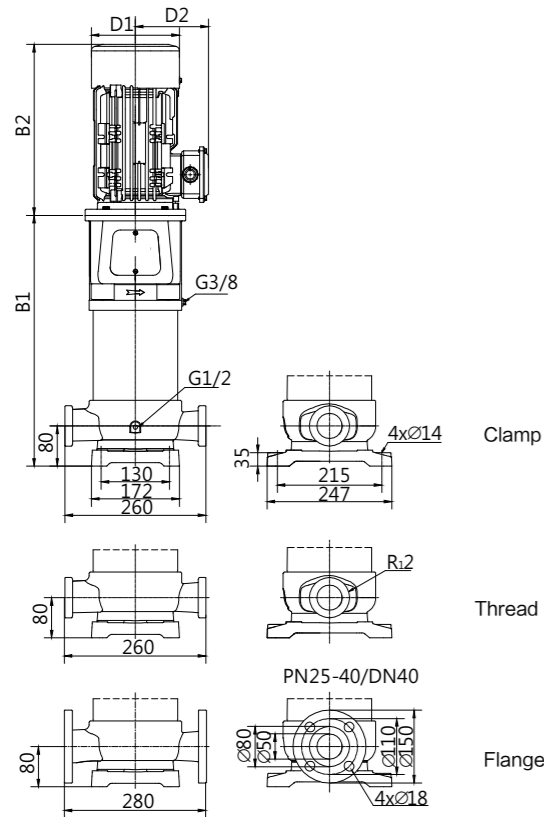
Performance data

Model	Power (kW)	Q (m³/h)	H (m)					
			2.5	4	5	6	7	8.5
AS5-20-2	0.37		12.5	11.5	10.5	9	7	3.5
AS5-20	0.55		17	16.5	16	15	14	12
AS5-30-1	0.55		23	22	21	20	17	13
AS5-40-1	0.75		32	31	30	27	24	19
AS5-50	1.1		43	42	40	38	35	29
AS5-60	1.1		52	50	48	45	42	34
AS5-70	1.5		61	59	56	53	49	40
AS5-80-1	1.5		67	64	61	57	52	42
AS5-90-2	1.5		73	70	67	62	56	43
AS5-90	2.2		78	75	72	68	62	51
AS5-110	2.2		95	92	88	83	76	63
AS5-120-2	2.2		99	95	92	85	76	61
AS5-120	2.2		104	101	96	91	83	68
AS5-140	3		121	117	112	106	97	80
AS5-160-2	3		134	129	123	115	104	83
AS5-160	3		139	134	128	121	111	91
AS5-190	4		165	159	152	143	132	108
AS5-210	4		182	176	168	159	146	120
AS5-220-1	4		188	182	173	163	149	121
AS5-230	5.5		199	193	184	174	160	131
AS5-250	5.5		217	210	200	189	174	143
AS5-260	5.5		225	218	208	196	181	148
AS5-290	7.5		251	243	232	219	201	165
AS5-320	7.5		277	268	256	242	222	182
AS5-360	7.5		312	302	288	272	250	205

Performance curve



Installation dimensions and weight

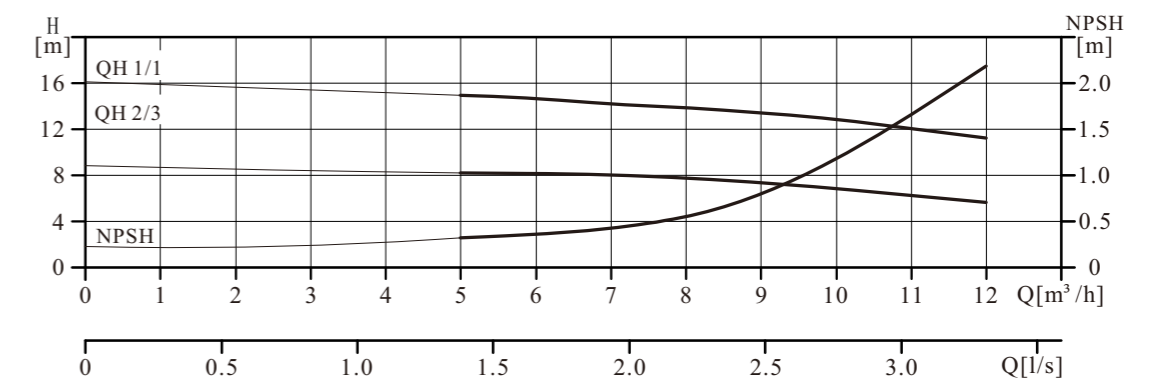
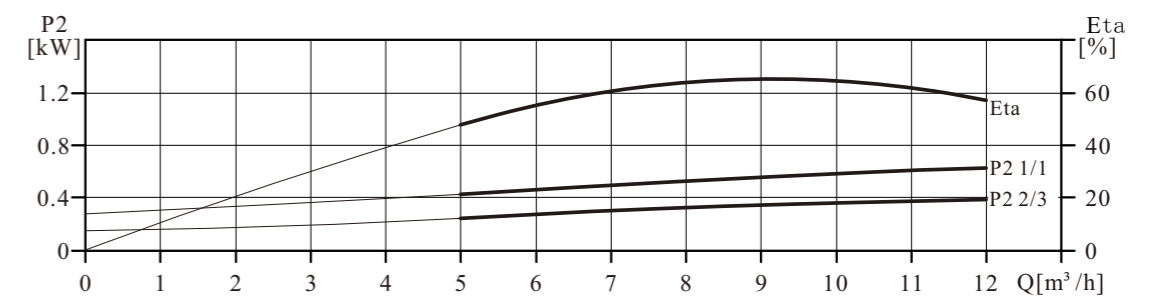
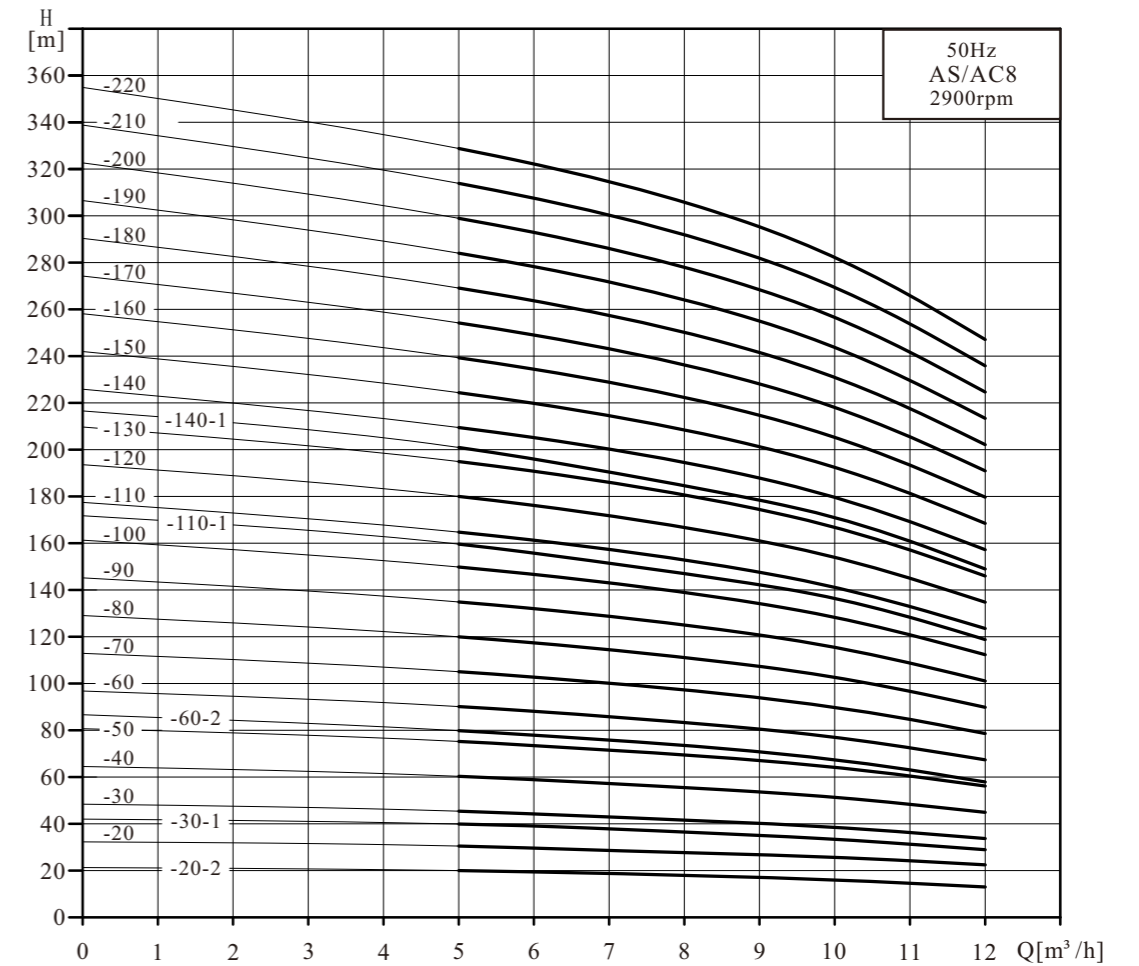


Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS8-20-2	355	280	635	170	142	36
AS8-20	355	280	635	170	142	38
AS8-30-1	395	350	745	190	155	46
AS8-30	395	350	745	190	155	50
AS8-40	425	350	775	190	155	51
AS8-50	465	410	875	196	165	58
AS8-60-2	495	410	905	196	165	59
AS8-60	495	410	905	230	185	68
AS8-70	525	410	935	230	185	69
AS8-80	555	410	965	230	185	70
AS8-90	605	465	1070	260	210	96
AS8-100	635	465	1100	260	210	97
AS8-110-1	665	465	1130	260	210	98
AS8-110	665	465	1130	260	210	105
AS8-120	695	465	1160	260	210	106
AS8-130	725	465	1190	260	210	107
AS8-140-1	755	465	1220	260	210	108
AS8-140	843	610	1453	350	260	162
AS8-150	873	610	1483	350	260	163
AS8-160	903	610	1513	350	260	164
AS8-170	933	610	1543	350	260	165
AS8-180	963	610	1573	350	260	166
AS8-190	993	610	1603	350	260	174
AS8-200	1023	610	1633	350	260	175
AS8-210	1053	610	1663	350	260	176
AS8-220	1083	610	1693	350	260	177

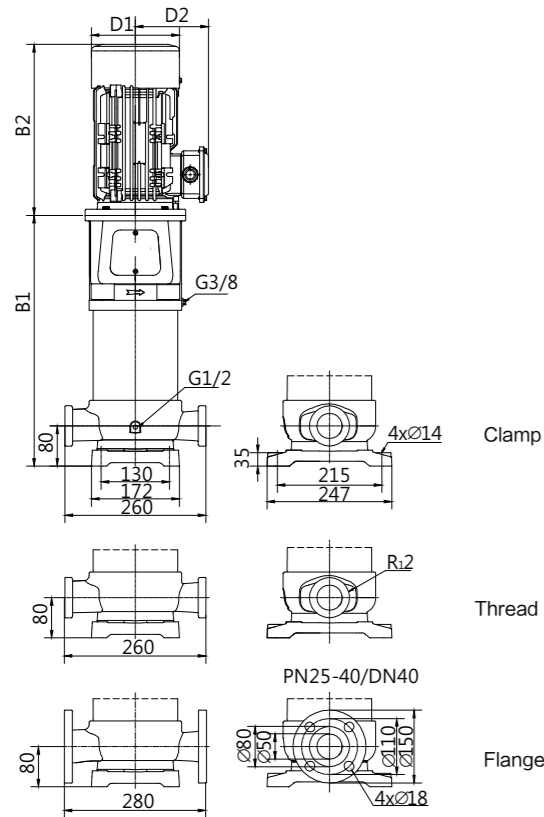
Performance data

Model	Power (kW)	Q (m ³ /h)	H (m)												
			5	6	7	8	9	10	11	12					
AS8-20-2	0.75	20	19.5	19	18	17	16	14	13						
AS8-20	1.1	30	29	28	27	26	25.5	24	22						
AS8-30-1	1.5	40	39	38	36	35	34	31	29						
AS8-30	2.2	45	44	42.5	41	40.5	38.5	36	34						
AS8-40	2.2	60	58.5	56.5	55	54	51	48	45						
AS8-50	3	75	73	71	68	68	64	60	56						
AS8-60-2	3	80	78	76	73	71	67	62	58						
AS8-60	4	90	88	85	82	81	77	72	67						
AS8-70	4	105	103	99	96	95	90	84	79						
AS8-80	4	120	117	113	110	108	103	96	90						
AS8-90	5.5	135	132	127	124	122	116	108	101						
AS8-100	5.5	150	147	142	137	135	128	121	112						
AS8-110-1	5.5	160	156	151	147	144	136	128	119						
AS8-110	7.5	165	161	156	151	149	141	133	124						
AS8-120	7.5	180	176	170	165	162	154	145	135						
AS8-130	7.5	195	191	184	179	176	167	157	146						
AS8-140-1	7.5	201	196	190	185	180	171	160	149						
AS8-140	11	210	205	198	193	189	180	169	157						
AS8-150	11	224	220	212	206	203	193	181	168						
AS8-160	11	239	235	226	220	216	205	193	180						
AS8-170	11	254	249	241	234	230	218	205	191						
AS8-180	11	269	264	255	248	244	231	217	202						
AS8-190	15	284	279	269	262	257	244	229	213						
AS8-200	15	299	294	283	276	271	257	241	224						
AS8-210	15	314	309	297	287	284	270	253	235						
AS8-220	15	329	324	311	300	297	283	265	246						

Performance cruve



Installation dimensions and weight

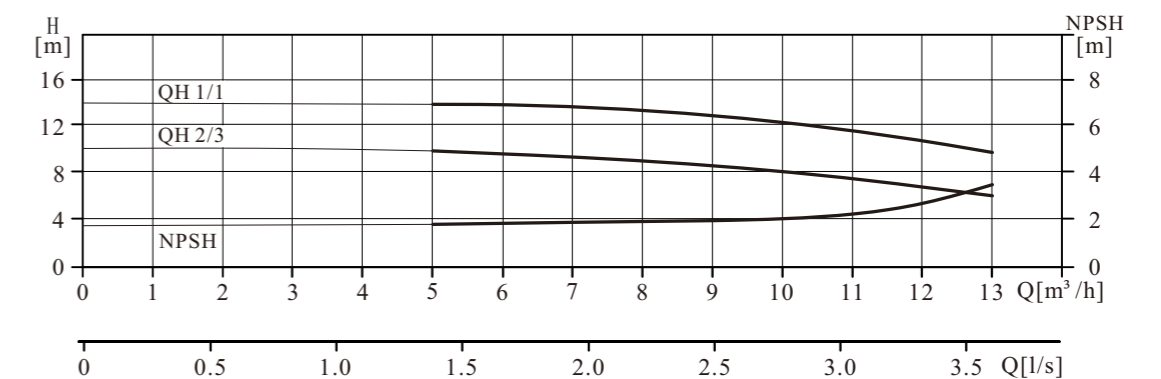
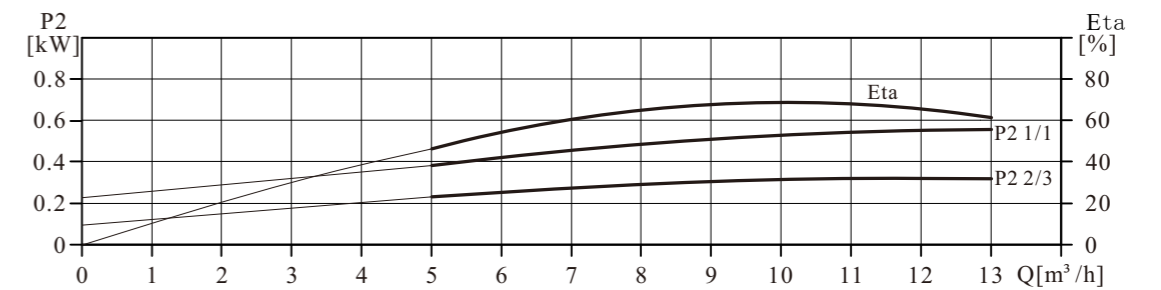
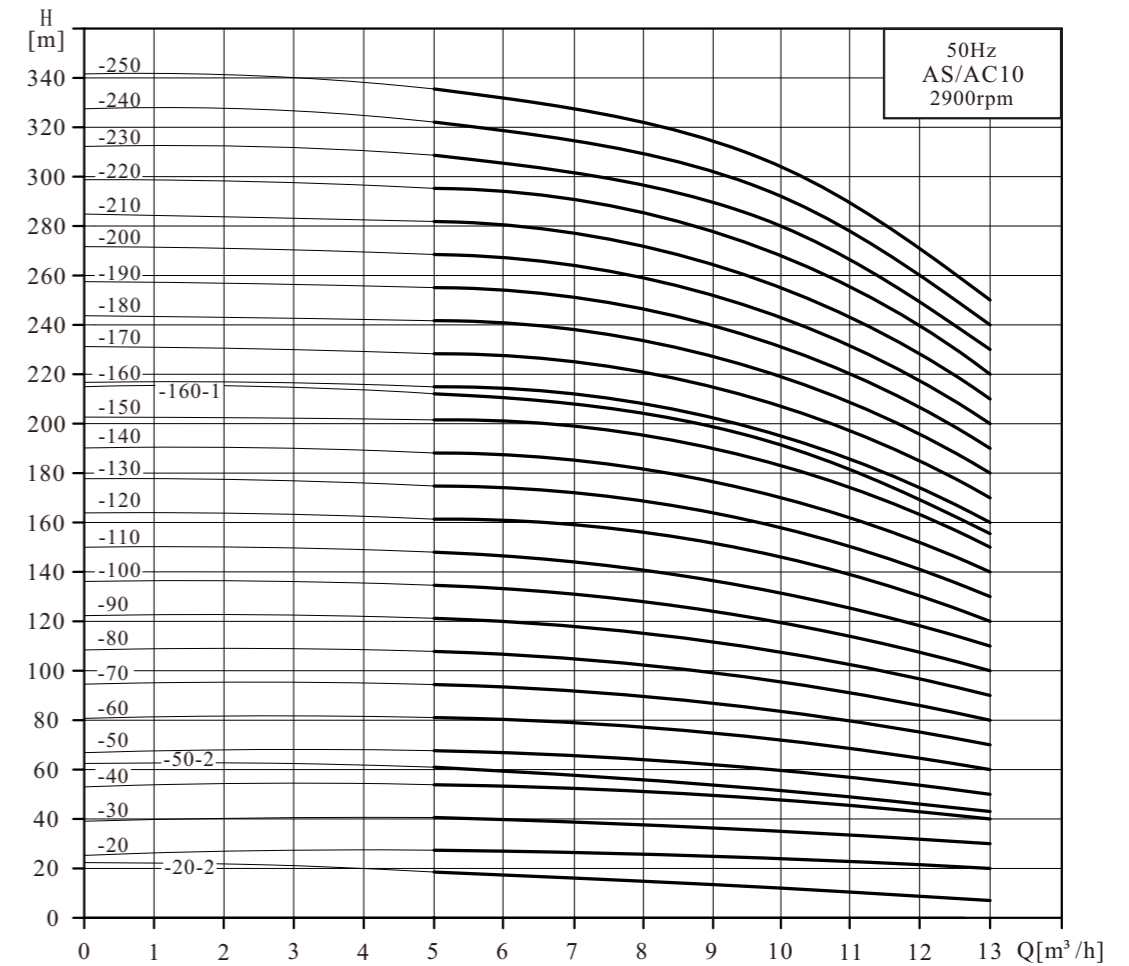


Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS10-20-2	355	280	635	170	142	37
AS10-20	355	280	635	170	142	39
AS10-30	395	350	745	170	142	47
AS10-40	425	350	775	190	155	52
AS10-50-2	455	350	805	190	155	53
AS10-50	465	410	875	196	165	59
AS10-60	495	410	905	196	165	60
AS10-70	525	410	935	230	185	70
AS10-80	555	410	965	230	185	71
AS10-90	605	465	1070	260	210	98
AS10-100	635	465	1100	260	210	99
AS10-110	665	465	1130	260	210	100
AS10-120	695	465	1160	260	210	108
AS10-130	725	465	1190	260	210	109
AS10-140	755	465	1220	260	210	110
AS10-150	785	465	1250	260	210	111
AS10-160-1	815	465	1280	260	210	112
AS10-160	903	610	1513	350	260	167
AS10-170	933	610	1543	350	260	168
AS10-180	963	610	1573	350	260	169
AS10-190	993	610	1603	350	260	170
AS10-200	1023	610	1633	350	260	171
AS10-210	1053	610	1663	350	260	173
AS10-220	1083	610	1693	350	260	181
AS10-230	1113	610	1723	350	260	182
AS10-240	1143	610	1753	350	260	183
AS10-250	1173	610	1783	350	260	184

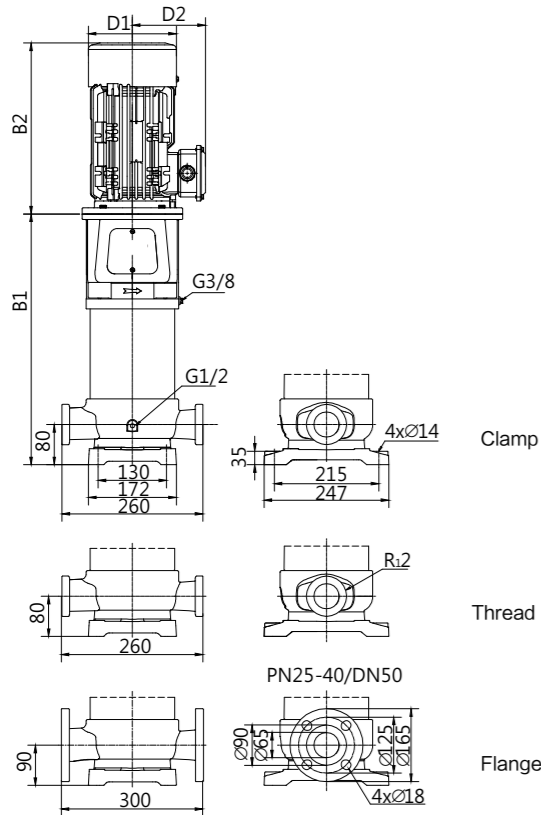
Performance data

Model	Power (kW)	Q (m ³ /h)	H (m)									
			5	6	7	8	9	10	11	12	13	
AS10-20-2	0.75		18.5	17	16	14	13	12	10	8.5	7	
AS10-20	1.1		28	27	26	25.5	25	24	23	22	20	
AS10-30	1.5		41	40	39.5	38	37	35	34	32	30	
AS10-40	2.2		55	53	52	51	49.5	48	46	43	40	
AS10-50-2	2.2		61	59	58	56	54	51.5	49	47	43	
AS10-50	3		68	67	66	64	62	60	57	54	50	
AS10-60	3		82	79	78	77	74	72	69	65	60	
AS10-70	4		96	93	92	90	87	84	80	75	70	
AS10-80	4		109	107	105	103	99	96	91	86	80	
AS10-90	5.5		123	120	118	115	111	108	103	97	90	
AS10-100	5.5		137	134	131	128	124	120	114	108	100	
AS10-110	5.5		150	147	144	141	136	132	126	118	110	
AS10-120	7.5		164	160	157	154	149	144	137	129	120	
AS10-130	7.5		177	174	170	167	161	156	149	140	130	
AS10-140	7.5		191	187	183	179	173	168	160	151	140	
AS10-150	7.5		205	200	197	192	186	180	171	162	150	
AS10-160-1	7.5		214	208	205	199	192	186	176	166	153	
AS10-160	11		218	214	210	205	198	192	183	172	160	
AS10-170	11		232	227	223	218	210	204	194	183	170	
AS10-180	11		246	240	236	231	223	216	206	194	180	
AS10-190	11		259	254	249	244	235	228	217	205	190	
AS10-200	11		273	267	262	256	248	240	229	215	200	
AS10-210	11		287	280	275	269	260	252	240	226	210	
AS10-220	15		300	294	288	282	272	264	251	237	220	
AS10-230	15		309	305	301	297	290	280	266	249	230	
AS10-240	15		322	319	314	309	302	292	278	260	240	
AS10-250	15		335	332	327	322	314	304	289	271	250	

Performance curve



Installation dimensions and weight

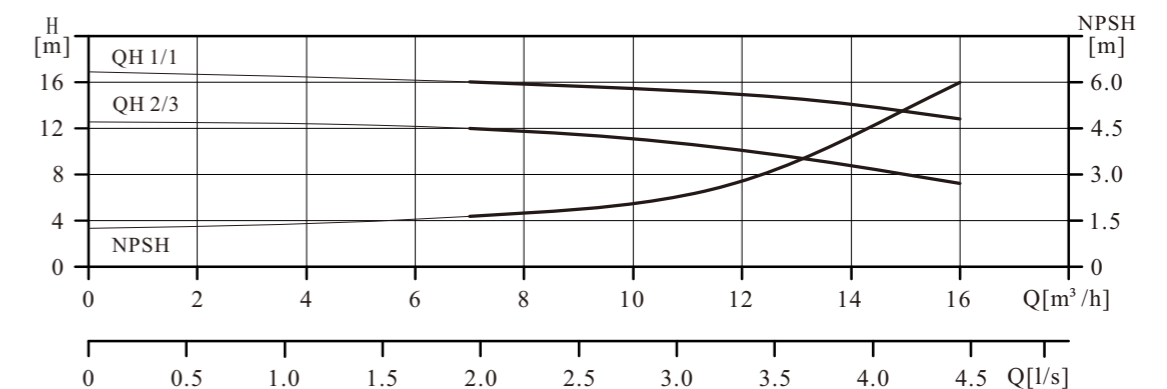
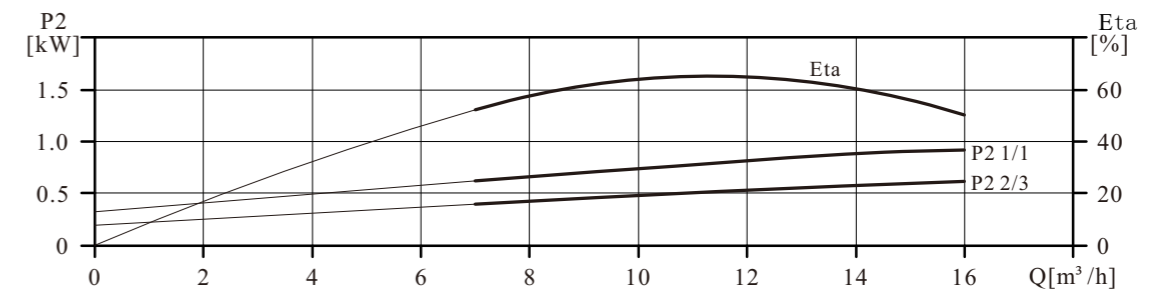
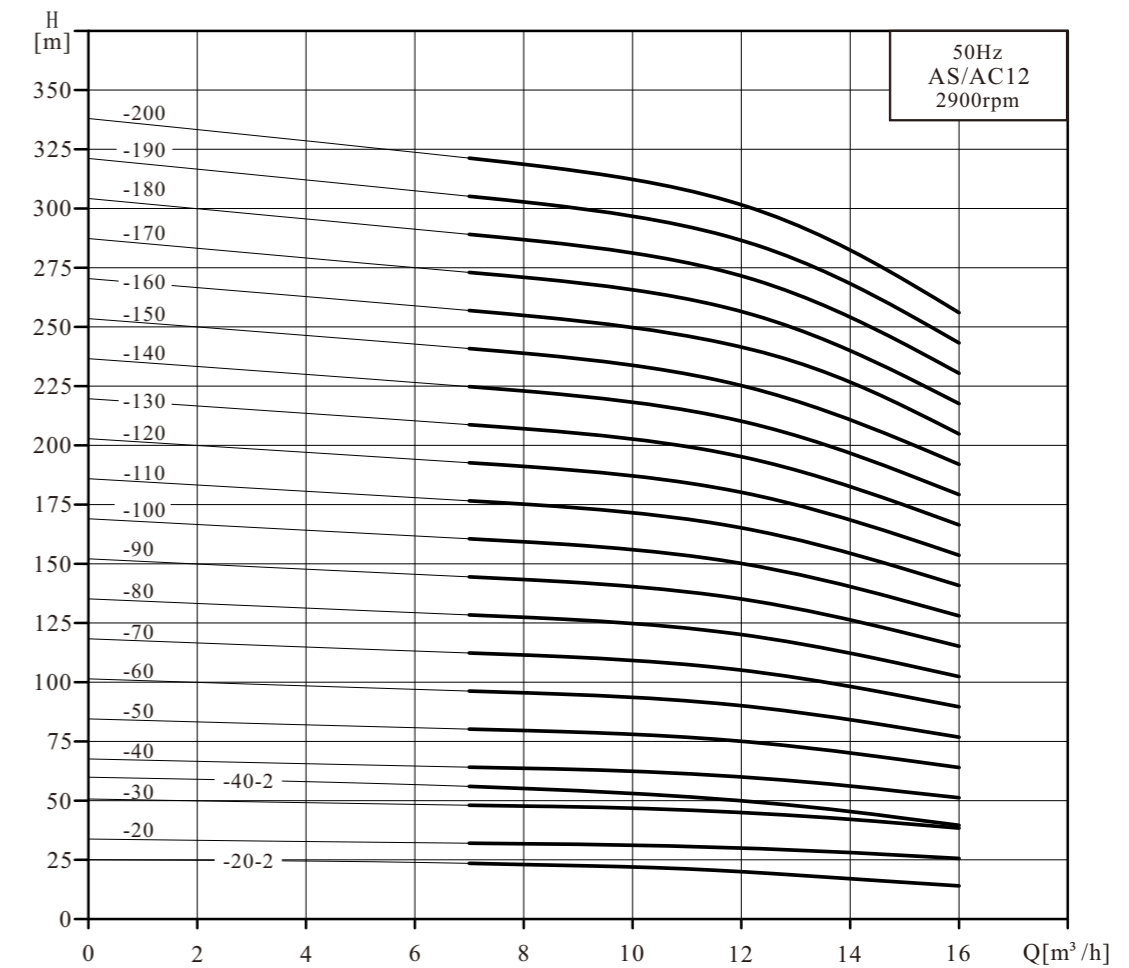


Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS12-20-2	365	350	715	190	155	47
AS12-20	365	350	715	190	155	51
AS12-30	405	410	815	196	165	58
AS12-40-2	435	410	845	196	165	59
AS12-40	435	410	845	230	185	68
AS12-50	485	465	950	260	210	94
AS12-60	515	465	980	260	210	95
AS12-70	545	465	1010	260	210	103
AS12-80	575	465	1040	260	210	104
AS12-90	693	610	1303	350	260	159
AS12-100	723	610	1333	350	260	160
AS12-110	753	610	1363	350	260	161
AS12-120	783	610	1393	350	260	163
AS12-130	813	610	1423	350	260	171
AS12-140	843	610	1453	350	260	172
AS12-150	873	610	1483	350	260	173
AS12-160	903	610	1513	350	260	174
AS12-170	933	610	1543	350	260	175
AS12-180	963	640	1603	350	260	198
AS12-190	993	640	1633	350	260	199
AS12-200	1023	640	1663	350	260	200

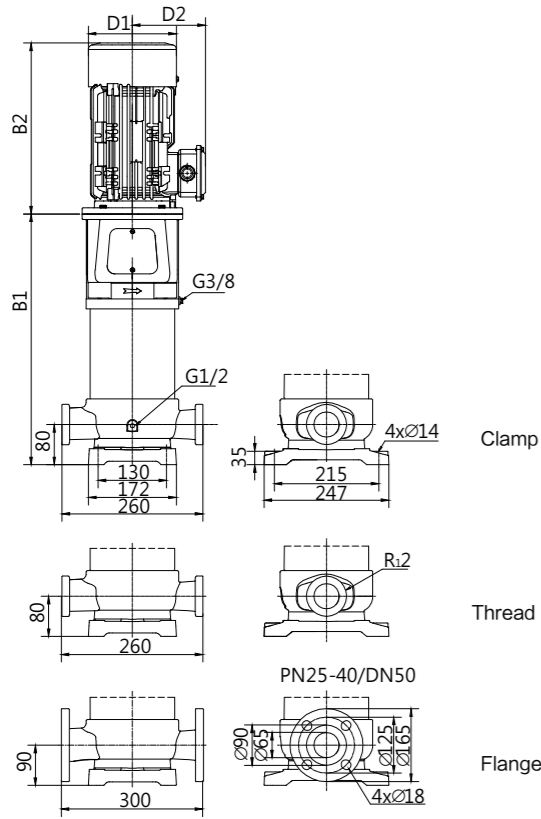
Performance data

Model	Power (kW)	Q (m³/h)	H (m)																			
			7	8	9	10	11	12	13	14	15	16										
AS12-20-2	1.5		24	23	23	22	21	20	19	17	16	14										
AS12-20	2.2		32.5	32	31.5	31	30.5	30	29	28	27	26										
AS12-30	3		48	47.5	47	46.5	46	45	44	42	41	38										
AS12-40-2	3		56	55	54	53	52	50	48	45	43	40										
AS12-40	4		64	63.5	63	62	61	60	59	56	54	51										
AS12-50	5.5		80	79.5	79	78	77	75	74	71	68	64										
AS12-60	5.5		96	95	94	93	92	90	88	85	81	77										
AS12-70	7.5		112	111	110	109	107	105	103	99	95	90										
AS12-80	7.5		128	127	126	124	122	120	118	113	108	102										
AS12-90	11		144	143	141	140	138	135	132	127	122	115										
AS12-100	11		160	159	157	155	153	150	147	141	135	128										
AS12-110	11		176	175	173	171	168	165	162	155	149	141										
AS12-120	11		192	191	188	186	184	180	176	169	162	154										
AS12-130	15		208	207	204	202	199	195	191	183	176	166										
AS12-140	15		224	223	220	217	214	210	206	197	189	179										
AS12-150	15		240	239	236	233	230	225	221	212	203	192										
AS12-160	15		256	254	251	248	245	240	235	226	216	205										
AS12-170	15		272	270	267	264	260	255	250	240	230	217										
AS12-180	18.5		288	286	283	279	276	270	265	254	243	230										
AS12-190	18.5		304	302	298	295	291	285	279	268	257	243										
AS12-200	18.5		320	318	314	310	306	300	294	282	270	256										

Performance curve



Installation dimensions and weight

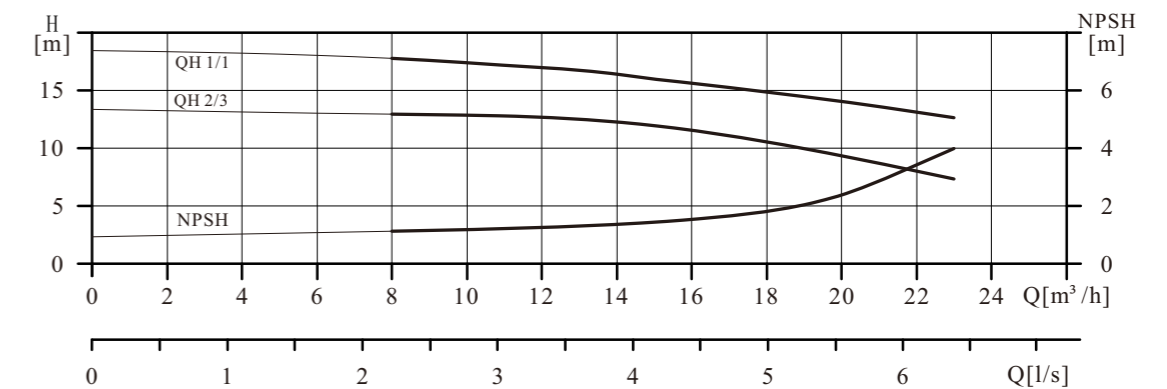
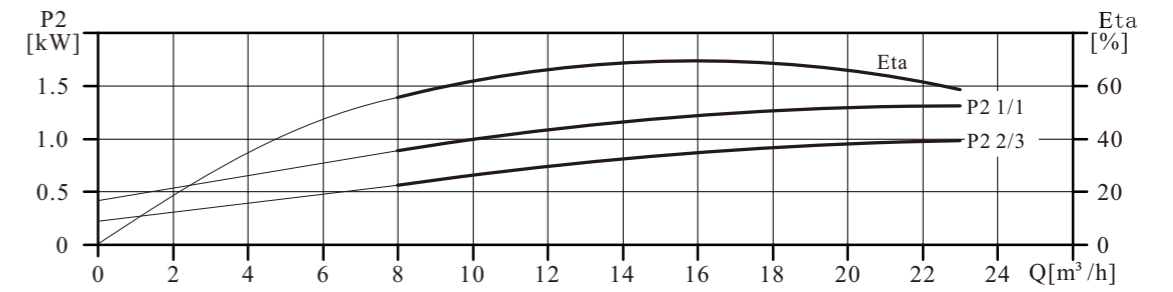
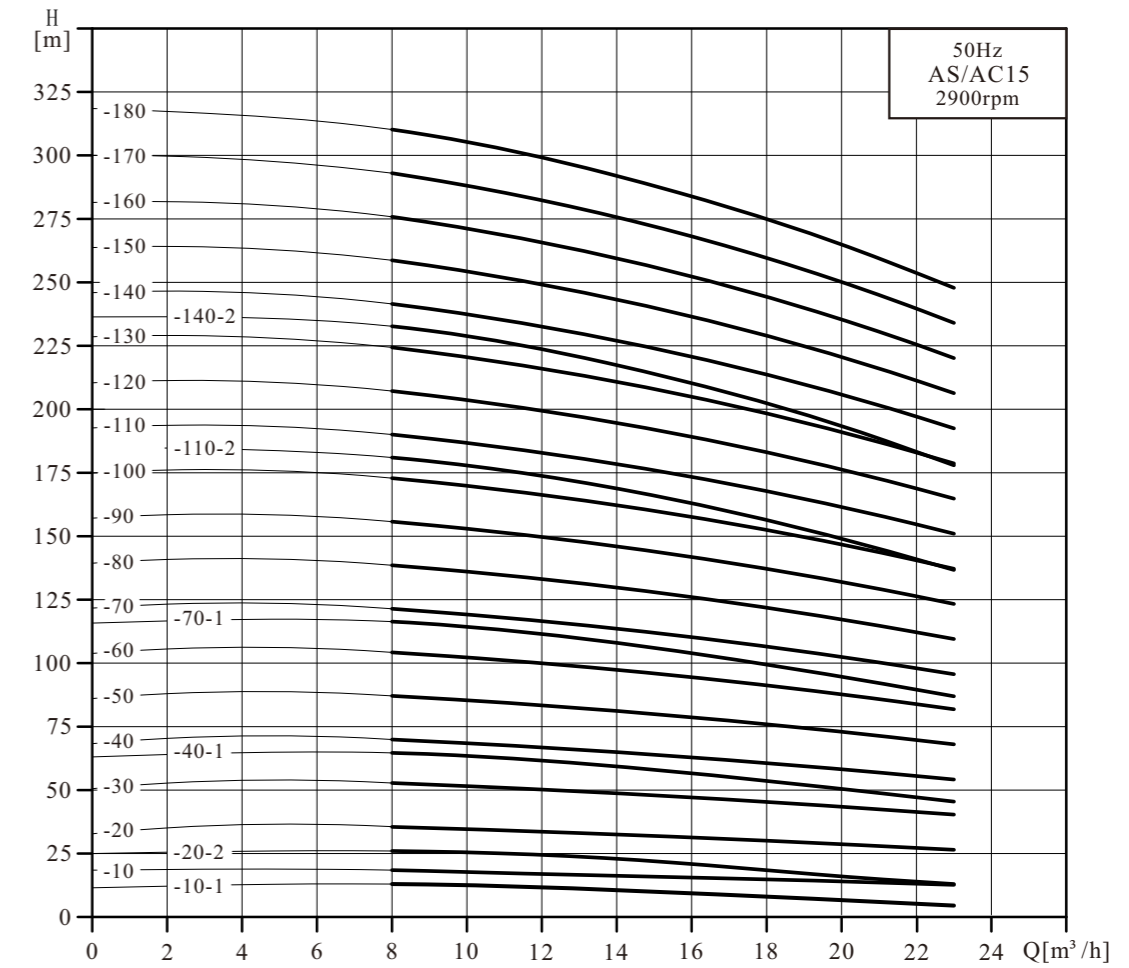


Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS15-10-1	346	280	626	170	142	39
AS15-10	356	350	706	190	155	45
AS15-20-2	401	350	751	190	155	51
AS15-20	411	410	821	196	165	58
AS15-30	456	410	866	230	185	68
AS15-40-1	501	410	911	230	185	69
AS15-40	521	465	986	260	210	93
AS15-50	566	465	1031	260	210	94
AS15-60	611	465	1076	260	210	102
AS15-70-1	656	465	1121	260	210	103
AS15-70	744	610	1354	350	260	158
AS15-80	789	610	1399	350	260	159
AS15-90	834	610	1444	350	260	160
AS15-100	879	610	1489	350	260	161
AS15-110-2	924	610	1534	350	260	162
AS15-110	924	610	1534	350	260	171
AS15-120	969	610	1579	350	260	172
AS15-130	1014	610	1624	350	260	173
AS15-140-2	1059	610	1669	350	260	174
AS15-140	1059	640	1699	350	260	196
AS15-150	1104	640	1744	350	260	197
AS15-160	1149	640	1789	350	260	198
AS15-170	1194	670	1864	360	285	232
AS15-180	1239	670	1909	360	285	233

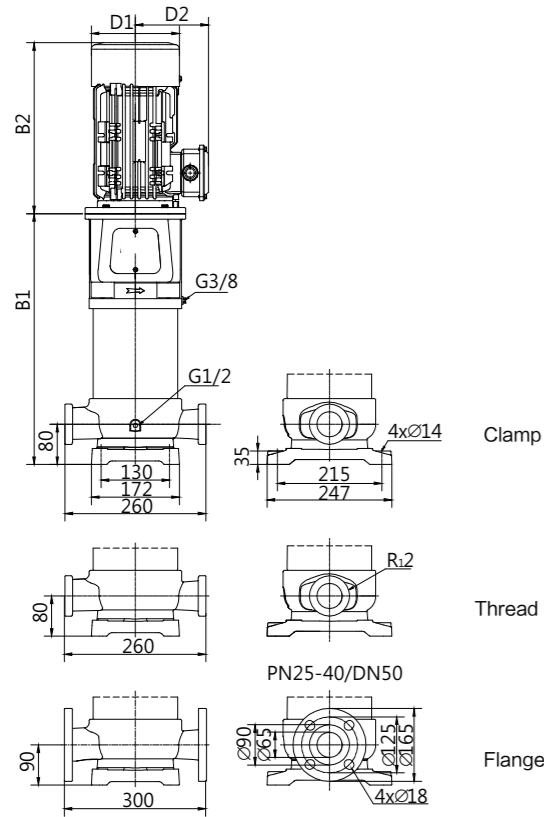
Performance data

Model	Power (kW)	Q (m³/h)	H (m)																		
			8	10	12	14	15	16	18	20	23										
AS15-10-1	1.1		13	12	11.5	10.5	10	9	7.5	6	4.5										
AS15-10	1.5		17.5	17	16.6	16.3	16	15.5	15	14.5	14										
AS15-20-2	2.2		26	25	24	23	22	20.5	18	16	13										
AS15-20	3		34.5	34	33	32.5	32	31.5	30.5	29.5	28										
AS15-30	4		52	51	50	49	48	47.5	46	44.5	41										
AS15-40-1	4		65	63	61	59	58	57	54	51	46										
AS15-40	5.5		69	68	66.5	65	64	63	61	59	55										
AS15-50	5.5		86	85	83	81	80	79	77	74	69										
AS15-60	7.5		103	102	100	98	96	95	92	89	83										
AS15-70-1	7.5		116	114	111	108	106	104	99	95	87										
AS15-70	11		121	119	116	114	112	111	107	104	96										
AS15-80	11		138	136	133	130	128	127	122	118	110										
AS15-90	11		155	153	149	146	144	143	138	133	124										
AS15-100	11		172	170	166	163	160	158	153	148	138										
AS15-110-2	11		181	178	173	169	166	163	156	149	137										
AS15-110	15		190	187	183	179	176	174	168	163	151										
AS15-120	15		207	204	199	195	192	190	184	177	165										
AS15-130	15		224	221	216	212	208	206	199	192	179										
AS15-140-2	15		233	229	223	218	214	211	202	193	178										
AS15-140	18.5		241	238	232	228	224	222	214	207	193										
AS15-150	18.5		258	255	249	244	240	238	230	222	206										
AS15-160	18.5		276	272	266	260	256	253	245	237	220										
AS15-170	22		293	288	282	277	272	269	260	251	234										
AS15-180	22		310	305	299	293	288	285	275	266	248										

Performance curve



Installation dimensions and weight

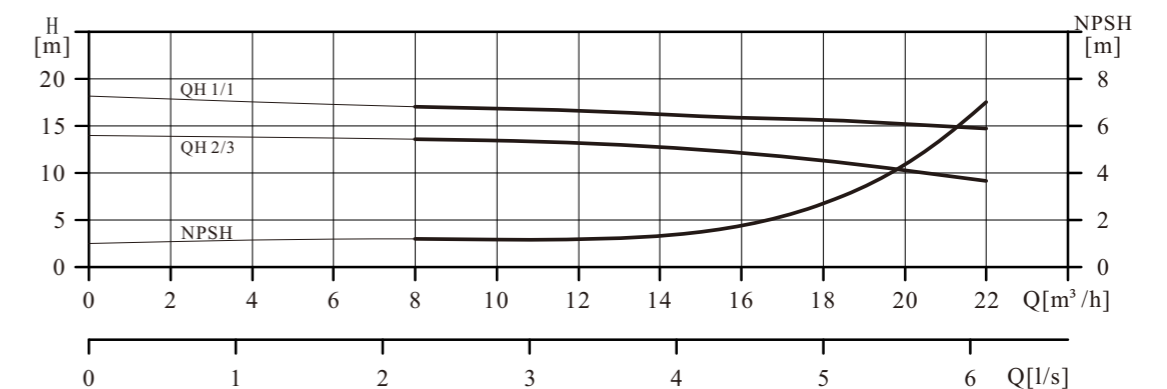
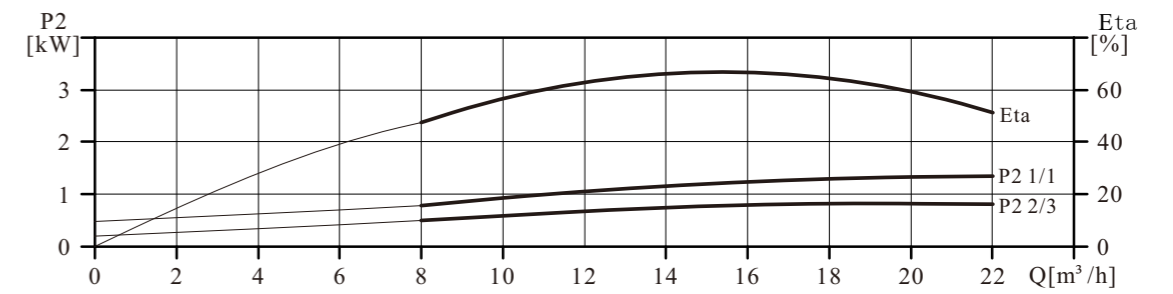
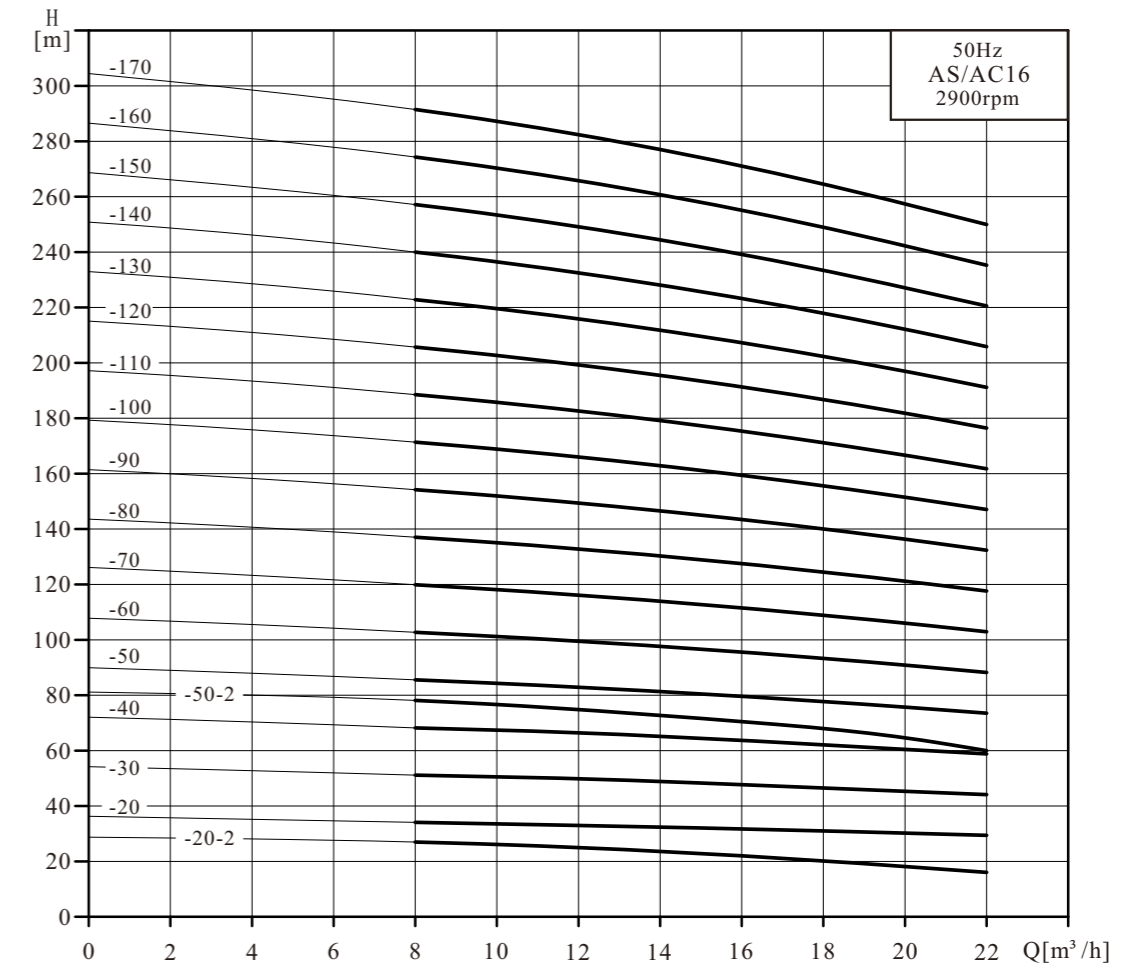


Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS16-20-2	401	350	751	190	155	51
AS16-20	411	410	821	196	165	58
AS16-30	456	410	866	230	185	68
AS16-40	521	465	986	260	210	93
AS16-50-2	566	465	1031	260	210	94
AS16-50	566	465	1031	260	210	101
AS16-60	611	465	1076	260	210	102
AS16-70	744	610	1354	350	260	159
AS16-80	789	610	1399	350	260	159
AS16-90	834	610	1444	350	260	160
AS16-100	879	610	1489	350	260	168
AS16-110	924	610	1534	350	260	169
AS16-120	969	610	1579	350	260	171
AS16-130	1014	640	1654	350	260	194
AS16-140	1059	640	1699	350	260	195
AS16-150	1104	670	1774	360	285	228
AS16-160	1149	670	1819	360	285	229
AS16-170	1194	670	1864	360	285	231

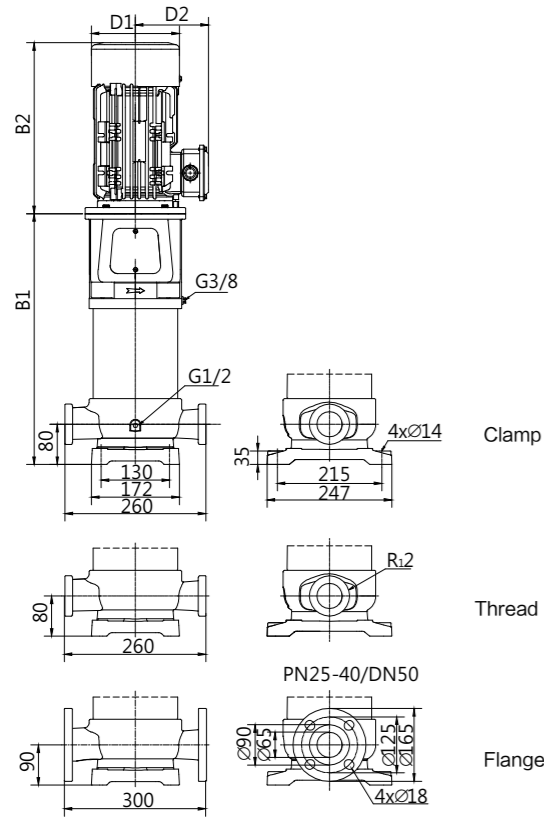
Performance data

Model	Power (kW)	Q (m ³ /h)	H (m)																	
			8	10	12	14	16	18	20	22										
AS16-20-2	2.2		27	26	25	24	22	21	19	16										
AS16-20	3		34	33.5	33	32.5	32	31	30	29										
AS16-30	4		51	50.5	50	48.5	48	47	46	44										
AS16-40	5.5		68	67	66	64.5	63.5	63	61	59										
AS16-50-2	5.5		78	77	75	73	70	68	65	60										
AS16-50	7.5		85	84	83	81	79	78	76	74										
AS16-60	7.5		102	101	100	97	95	94	91	88										
AS16-70	11		119	118	116	113	110	109	106	103										
AS16-80	11		136	135	133	129	126	125	122	118										
AS16-90	11		153	152	149	145	142	141	137	132										
AS16-100	15		170	168	166	161	158	156	152	147										
AS16-110	15		187	185	183	178	173	172	167	162										
AS16-120	15		204	202	199	194	189	188	183	176										
AS16-130	18.5		222	219	216	210	205	203	198	191										
AS16-140	18.5		239	236	233	226	221	219	213	206										
AS16-150	22		256	253	250	242	237	235	229	220										
AS16-160	22		273	270	267	258	253	250	244	235										
AS16-170	22		290	287	284	274	269	266	259	250										

Performance cruve



Installation dimensions and weight

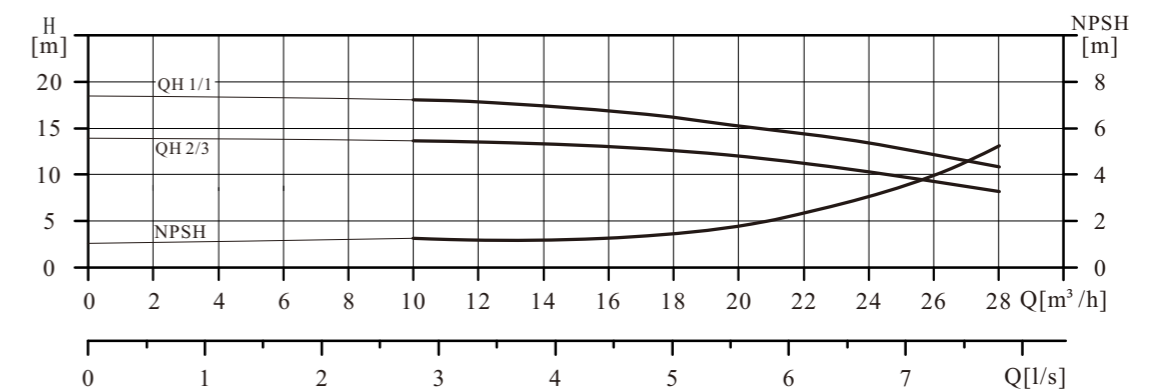
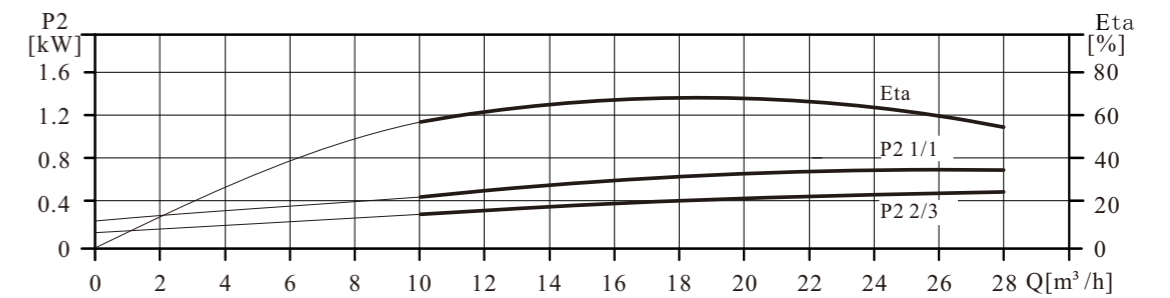
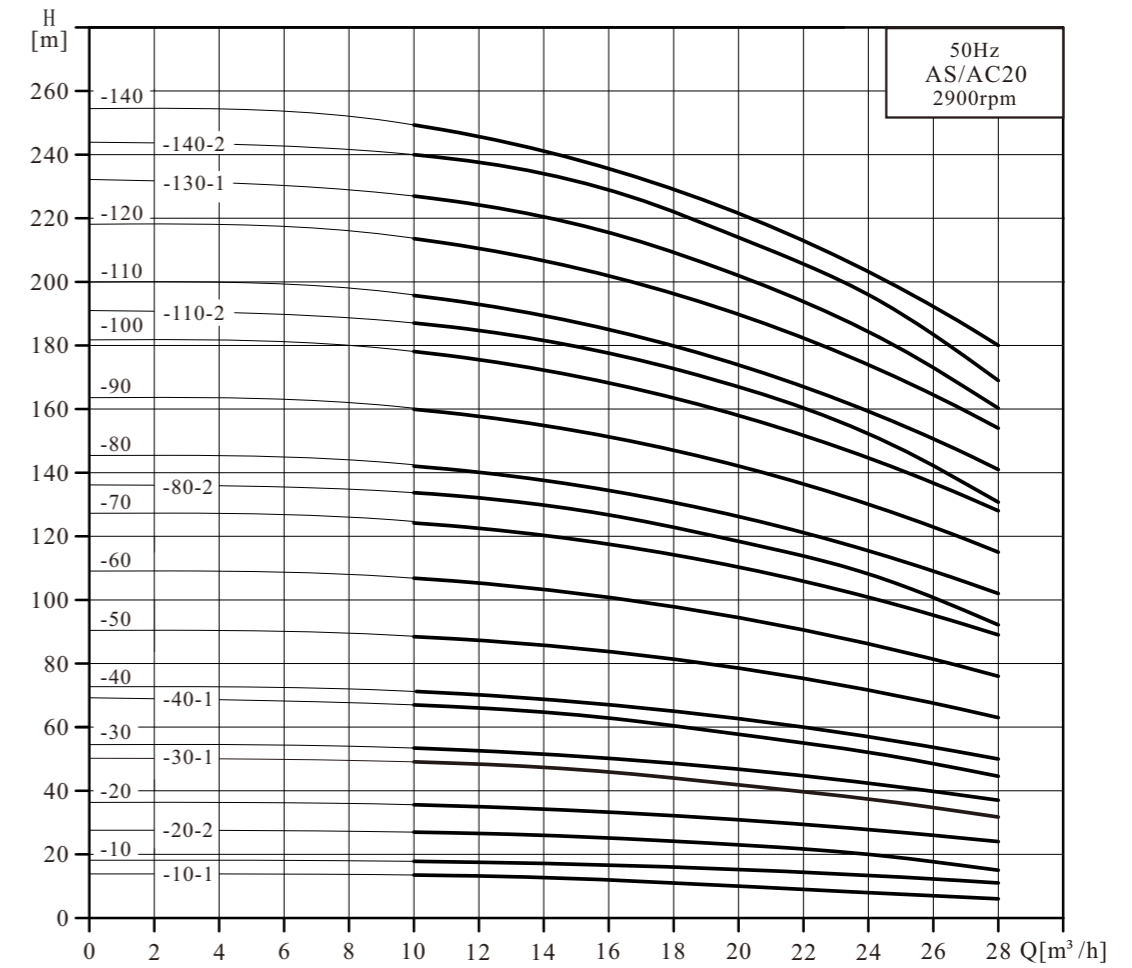


Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS20-10-1	356	280	636	170	142	40
AS20-10	356	350	706	190	155	47
AS20-20-2	411	350	761	190	155	52
AS20-20	411	410	821	196	165	58
AS20-30-1	476	410	886	230	185	69
AS20-30	476	465	941	260	210	94
AS20-40-1	521	465	986	260	210	95
AS20-40	521	465	986	260	210	103
AS20-50	566	465	1031	260	210	105
AS20-60	699	610	1309	350	260	160
AS20-70	744	610	1354	350	260	161
AS20-80-2	789	610	1399	350	260	162
AS20-80	789	610	1399	350	260	169
AS20-90	834	610	1444	350	260	171
AS20-100	879	610	1489	350	260	172
AS20-110-2	924	610	1534	350	260	173
AS20-110	924	640	1564	350	260	197
AS20-120	969	640	1609	350	260	198
AS20-130-1	1014	640	1654	350	260	199
AS20-140-2	1059	670	1729	360	285	233
AS20-140	1059	670	1729	360	285	234

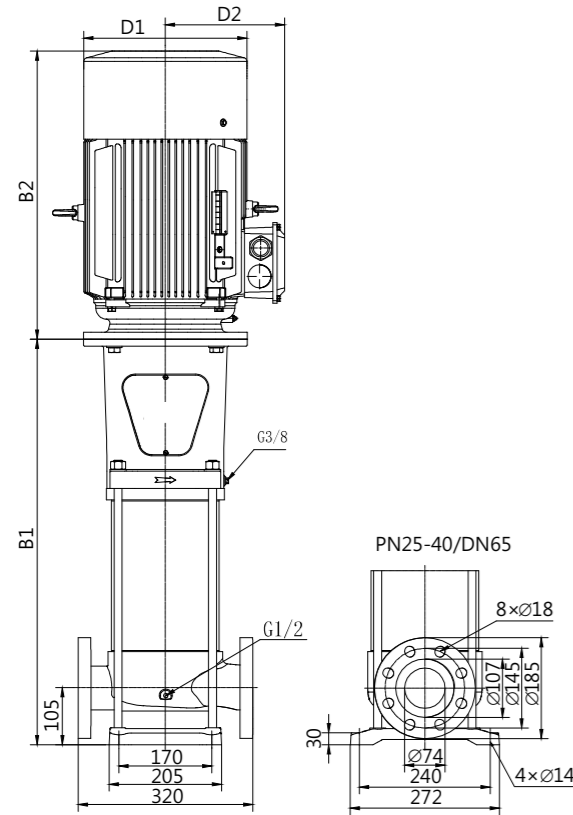
Performance data

Model	Power (kW)	Q (m ³ /h)	H (m)											
			10	12	14	16	18	20	22	24	26	28		
AS20-10-1	1.1		13.5	13	12.5	12	11	10	9	8	7	6		
AS20-10	1.5		18	17.5	17	16.5	16	15.5	15	14.5	14	13		
AS20-20-2	2.2		27	26.5	26	25	24	23	22	20	18	15		
AS20-20	3		36	35	34.5	34	33	32	31	29	28	26		
AS20-30-1	4		49	48	47	46	44	42	40	37	35	32		
AS20-30	5.5		53.5	53	52	51	49	48	46	44	41	39		
AS20-40-1	5.5		67	66	64	63	60	58	55	52	48	45		
AS20-40	7.5		71	70	69	68	66	64	62	59	55	51		
AS20-50	7.5		89	88	86	85	82	80	77	74	69	64		
AS20-60	11		107	105	104	102	98	95	92	88	83	77		
AS20-70	11		125	123	121	119	115	111	108	103	96	90		
AS20-80-2	11		134	132	130	127	122	118	114	108	101	92		
AS20-80	15		142	140	138	136	131	127	123	118	110	103		
AS20-90	15		160	158	155	153	148	143	138	132	124	116		
AS20-100	15		178	176	173	170	164	159	154	147	138	129		
AS20-110-2	15		187	185	181	178	172	167	160	152	142	131		
AS20-110	18.5		196	193	190	187	180	175	169	162	151	141		
AS20-120	18.5		213	211	207	204	197	191	185	176	165	154		
AS20-130-1	18.5		227	224	220	216	208	202	194	184	172	160		
AS20-140-2	22		240	237	233	229	221	214	207	196	183	169		
AS20-140	22		249	246	242	237	230	223	215	206	193	180		

Performance curve



Installation dimensions and weight



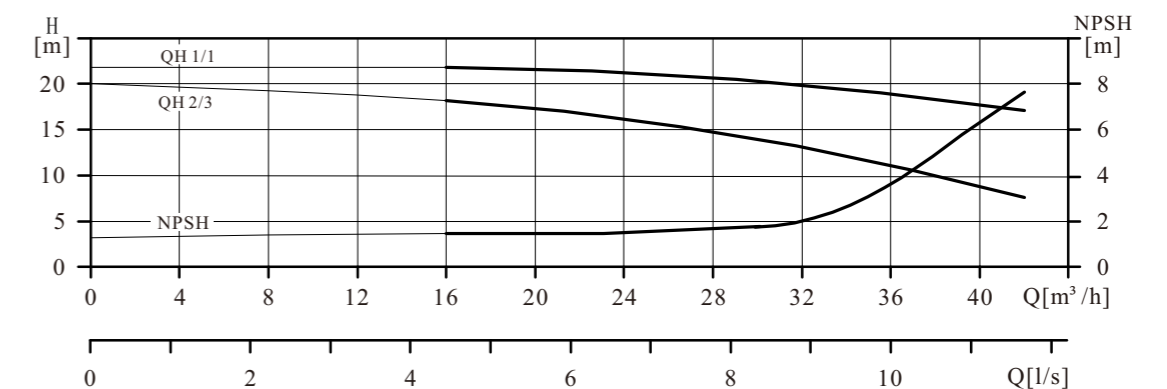
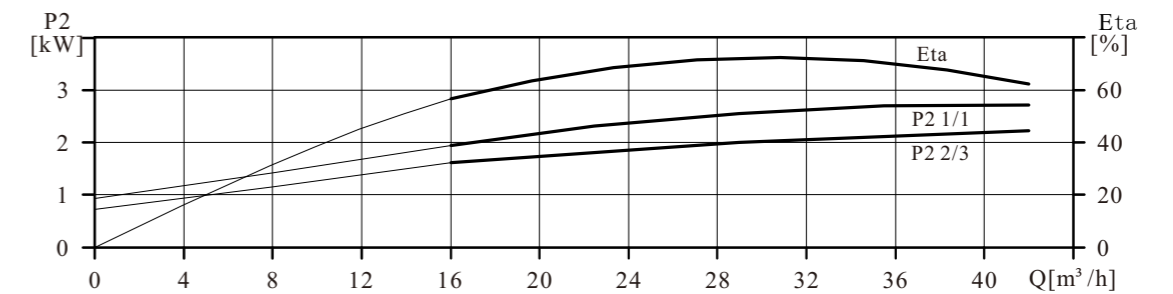
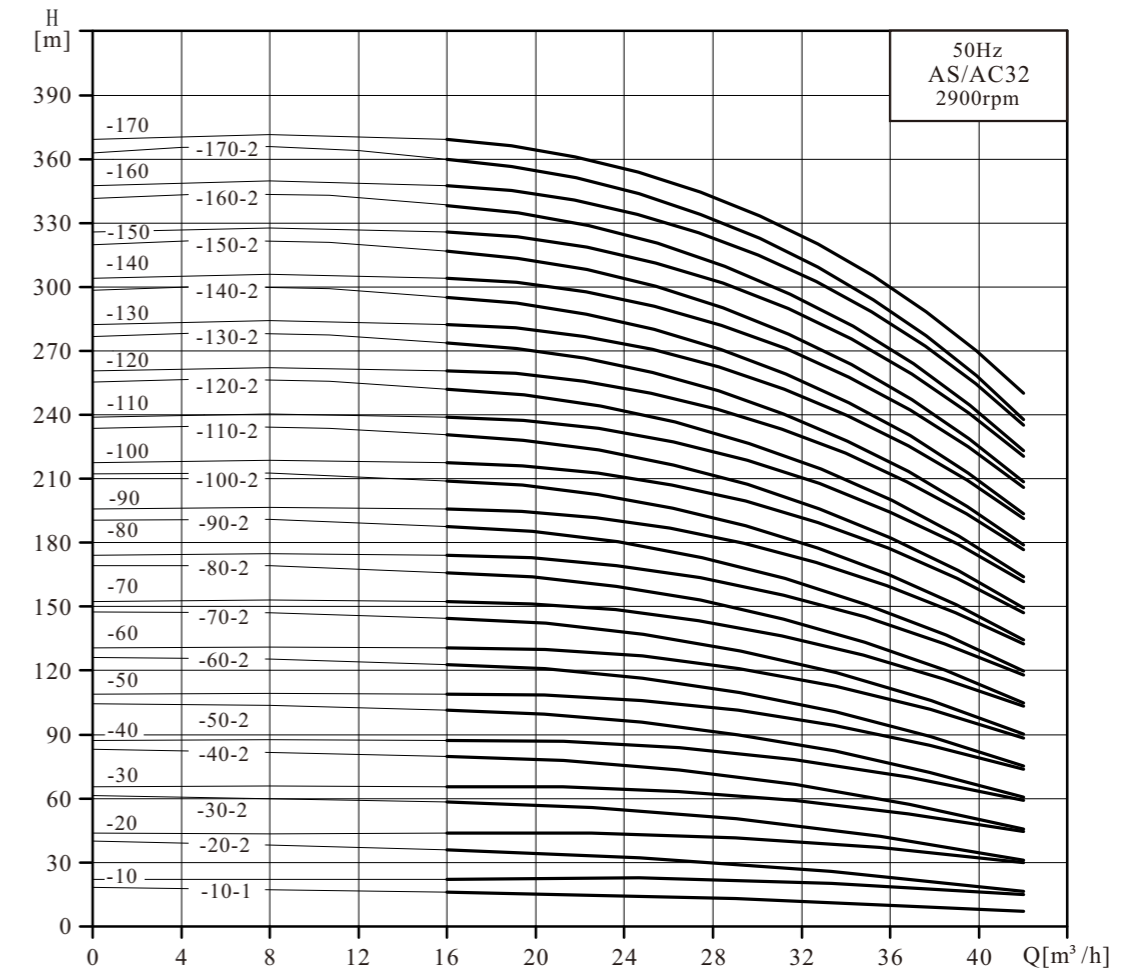
Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS32-10-1	455	350	805	190	155	61
AS32-10	455	410	865	196	165	67
AS32-20-2	525	410	935	230	185	78
AS32-20	525	465	990	260	210	102
AS32-30-2	595	465	1060	260	210	111
AS32-30	700	610	1310	350	260	167
AS32-40-2/AS32-40	770	610	1380	350	260	169
AS32-50-2/AS32-50	840	610	1450	350	260	178
AS32-60-2	910	610	1520	350	260	180
AS32-60	910	640	1550	350	260	202
AS32-70-2/AS32-70	980	640	1620	350	260	204
AS32-80-2/AS32-80	1050	670	1720	360	285	240
AS32-90-2	1120	670	1790	360	285	242
AS32-90	1120	715	1835	400	310	310
AS32-100-2/AS32-100	1190	715	1905	400	310	316
AS32-110-2/AS32-110	1260	715	1975	400	310	318
AS32-120-2	1330	715	2045	400	310	320
AS32-120	1330	715	2045	400	310	334
AS32-130-2/AS32-130	1400	715	2115	400	310	336
AS32-140-2/AS32-140	1470	715	2185	400	310	338
AS32-150-2/AS32-150	1540	740	2280	460	340	411
AS32-160-2/AS32-160	1610	740	2350	460	340	413
AS32-170-2/AS32-170	1680	740	2420	460	340	415

Performance data

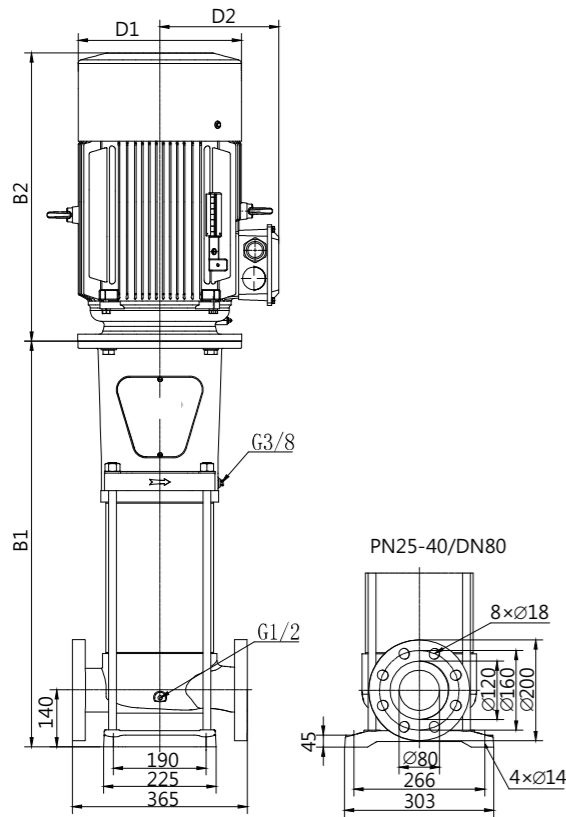
Model	Power (kW)	Q (m³/h)	H (m)							
			16	20	24	28	32	36	40	42
AS32-10-1	2.2		18	17	15	14	13	11	8	7
AS32-10	3		22	21.5	21	20	19	18	16	15
AS32-20-2	4		36	34	32	29	27	23	18	17
AS32-20	5.5		43	42.5	42	40	38	35	32	29
AS32-30-2	7.5		58	55	53	49	46	41	34	31
AS32-30	11		65	64	63	61	57	53	48	44
AS32-40-2	11		79	77	74	69	65	58	50	46
AS32-40	11		86	85	83	81	77	71	63	59
AS32-50-2	15		101	98	95	90	84	76	66	61
AS32-50	15		108	107	104	101	96	88	79	74
AS32-60-2	15		122	119	115	110	104	94	81	75
AS32-60	18.5		129	128	125	121	115	106	95	88
AS32-70-2	18.5		144	141	136	130	123	111	97	90
AS32-70	18.5		151	149	146	141	134	124	111	103
AS32-80-2	22		165	162	157	150	142	129	113	105
AS32-80	22		172	171	167	162	153	142	127	118
AS32-90-2	22		187	183	178	170	161	147	129	120
AS32-90	30		194	192	188	182	172	159	143	133
AS32-100-2	30		208	205	199	191	180	165	145	134

Model	Power (kW)	Q (m³/h)	H (m)							
			16	20	24	28	32	36	40	42
AS32-100	30		215	214	208	202	191	177	159	147
AS32-110-2	30		230	226	220	211	199	182	161	149
AS32-110	30		237	235	229	222	210	195	174	162
AS32-120-2	30		251	248	240	231	218	200	177	164
AS32-120	37		258	256	250	242	230	212	190	177
AS32-130-2	37		273	269	261	251	237	218	192	179
AS32-130	37		280	278	271	263	249	230	206	192
AS32-140-2	37		294	290	282	271	257	235	208	193
AS32-140	37		301	299	292	283	268	248	222	206
AS32-150-2	45		316	312	303	292	276	253	224	208
AS32-150	45		323	320	313	303	287	265	238	221
AS32-160-2	45		337	333	324	312	295	271	240	223
AS32-160	45		345	342	333	323	306	283	254	236
AS32-170-2	45		359	354	345	332	314	288	256	238
AS32-170	45		366	363	354	343	325	301	270	251

Performance curve



Installation dimensions and weight

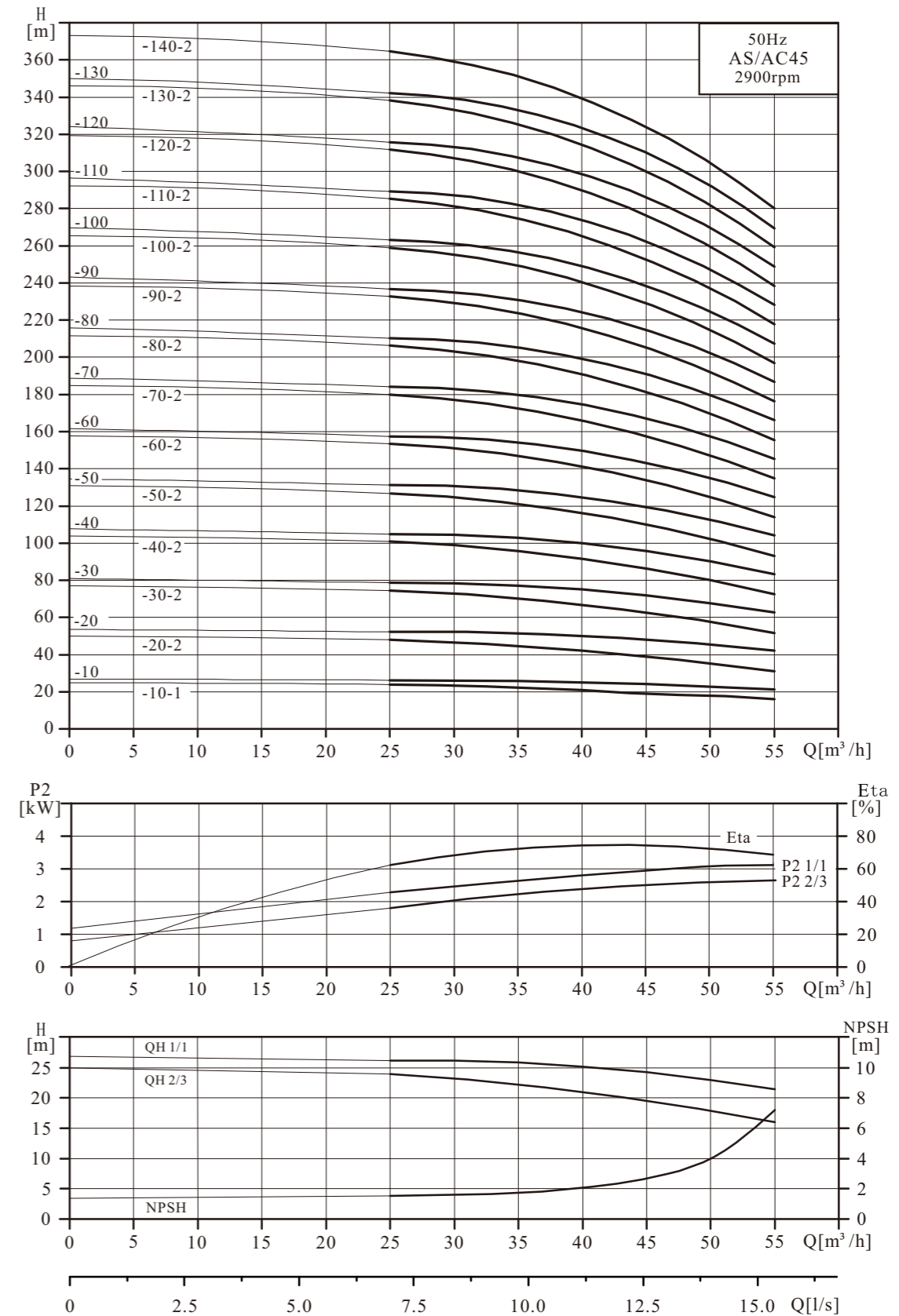


Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS45-10-1	511	410	921	230	185	84
AS45-10	511	465	976	260	210	108
AS45-20-2	591	465	1056	260	210	118
AS45-20	696	610	1306	350	260	174
AS45-30-2	776	610	1386	350	260	177
AS45-30	776	610	1386	350	260	186
AS45-40-2	856	640	1496	350	260	210
AS45-40	856	640	1496	350	260	210
AS45-50-2	936	640	1576	350	260	213
AS45-50	936	670	1606	360	285	247
AS45-60-2	1016	715	1731	400	310	322
AS45-60	1016	715	1731	400	310	322
AS45-70-2	1096	715	1811	400	310	324
AS45-70	1096	715	1811	400	310	324
AS45-80-2	1176	715	1891	400	310	341
AS45-80	1176	715	1891	400	310	341
AS45-90-2	1256	715	1971	400	310	344
AS45-90	1256	715	1971	400	310	344
AS45-100-2	1336	740	2076	460	340	417
AS45-100	1336	740	2076	460	340	418
AS45-110-2	1416	740	2156	460	340	420
AS45-110	1416	740	2156	460	340	420
AS45-120-2	1526	820	2346	550	370	527
AS45-120	1526	820	2346	550	370	527
AS45-130-2	1606	820	2426	550	370	529
AS45-130	1606	820	2426	550	370	529
AS45-140-2	1686	820	2506	550	370	532

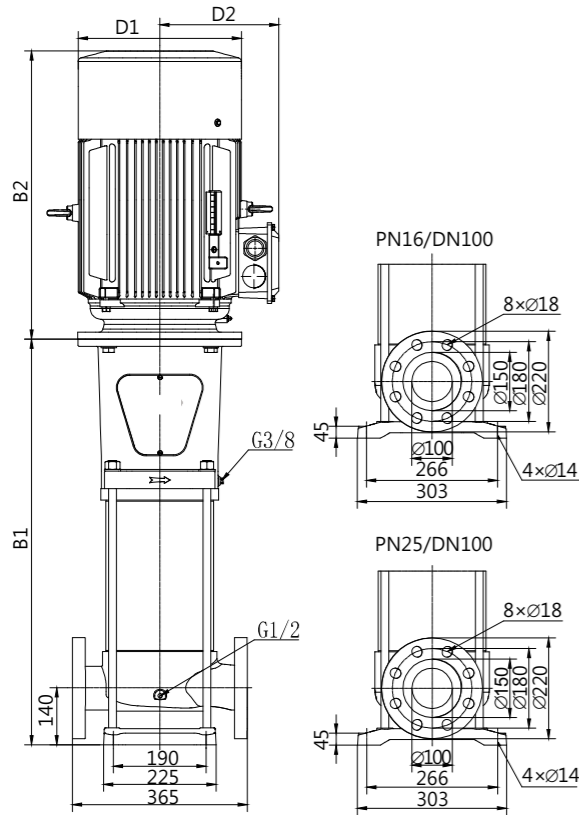
Performance data

Model	Power (kW)	Q (m³/h)	H (m)							
			25	30	35	40	45	50	55	
AS45-10-1	4		24	23	22	21	19	18	16	
AS45-10	5.5		26.5	26	25.5	25	23.5	22	21	
AS45-20-2	7.5		48	46	44	42	39	35	31	
AS45-20	11		53	52	51	49	48	45	41	
AS45-30-2	11		74	72	69	67	63	57	52	
AS45-30	15		79	78	76	74	71	67	62	
AS45-40-2	18.5		101	98	95	91	87	80	72	
AS45-40	18.5		105	104	102	99	95	90	83	
AS45-50-2	18.5		127	124	120	116	110	102	93	
AS45-50	22		132	130	127	124	119	112	104	
AS45-60-2	30		153	150	146	141	134	125	114	
AS45-60	30		158	156	153	148	143	134	124	
AS45-70-2	30		180	176	171	166	158	147	135	
AS45-70	30		184	182	178	173	166	157	145	
AS45-80-2	37		206	202	197	190	182	169	155	
AS45-80	37		210	208	204	198	190	179	166	
AS45-90-2	37		232	228	222	215	205	192	176	
AS45-90	37		237	234	229	222	214	202	186	
AS45-100-2	45		258	254	248	240	229	214	197	
AS45-100	45		263	260	255	247	238	224	207	
AS45-110-2	45		285	280	273	264	253	237	217	
AS45-110	45		289	285	280	272	261	246	228	
AS45-120-2	55		311	306	299	289	277	259	238	
AS45-120	55		316	311	305	296	285	269	248	
AS45-130-2	55		337	331	324	314	300	281	259	
AS45-130	55		342	337	331	321	309	291	269	
AS45-140-2	55		364	357	349	338	324	304	279	

Performance curve



Installation dimensions and weight

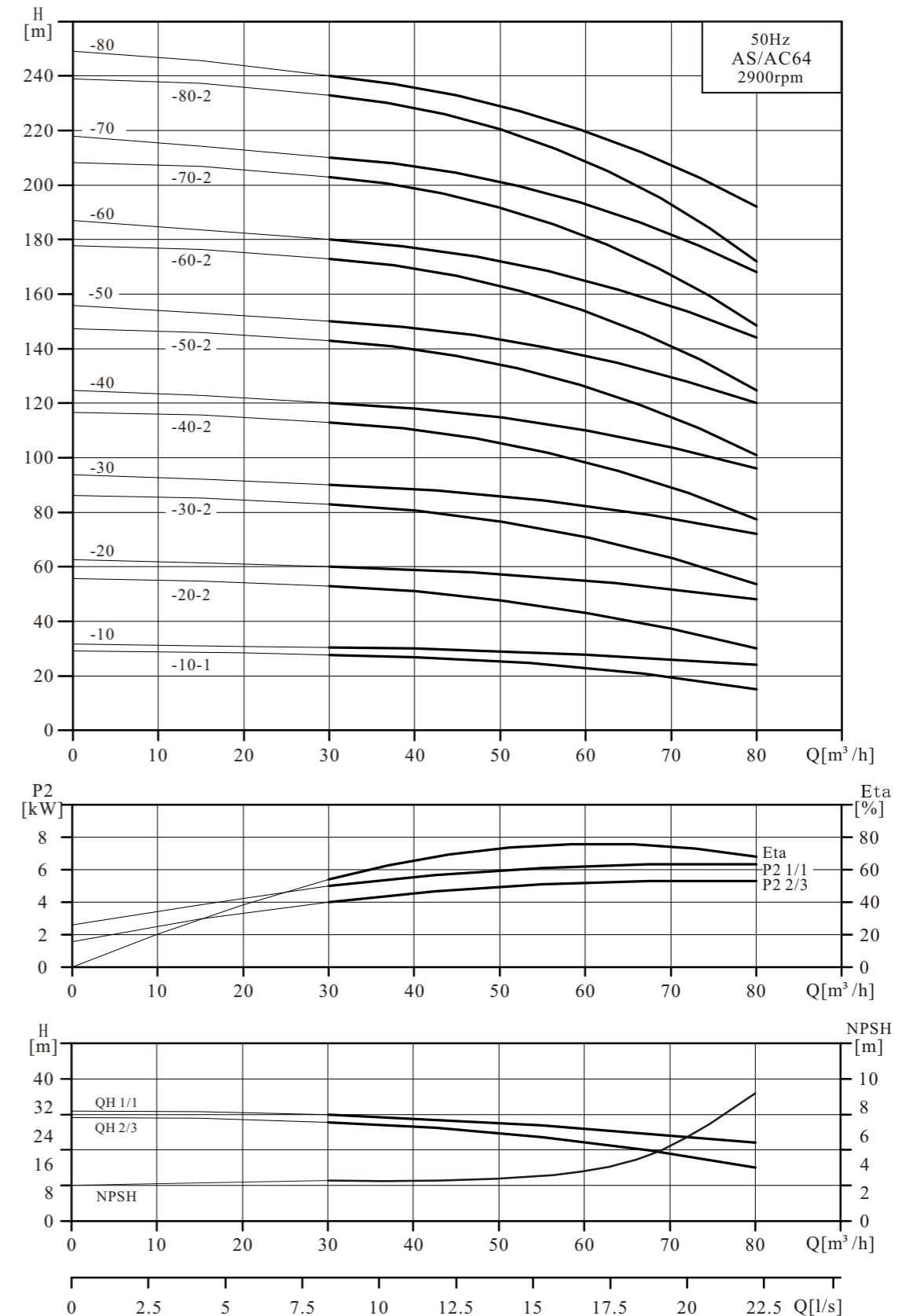


Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS64-10-1	514	465	979	260	210	110
AS64-10	514	465	979	260	210	120
AS64-20-2	702	610	1312	350	260	177
AS64-20	702	610	1312	350	260	184
AS64-30-2	785	640	1425	350	260	209
AS64-30	785	670	1455	360	285	243
AS64-40-2	868	715	1583	400	310	318
AS64-40	868	715	1583	400	310	318
AS64-50-2	951	715	1666	400	310	335
AS64-50	951	715	1666	400	310	335
AS64-60-2	1034	740	1774	460	340	409
AS64-60	1034	740	1774	460	340	409
AS64-70-2	1147	820	1967	550	370	516
AS64-70	1147	820	1967	550	370	516
AS64-80-2	1230	820	2050	550	370	519
AS64-80	1230	820	2050	550	370	519

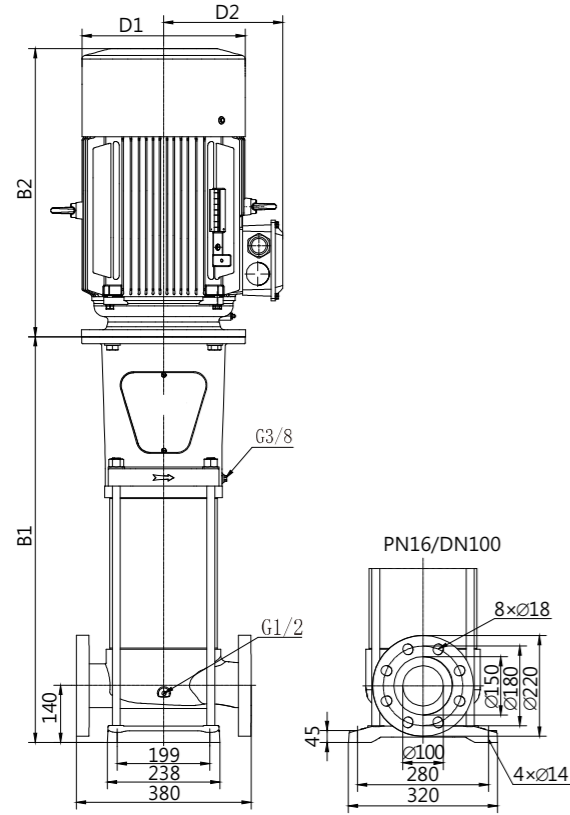
Performance data

Model	Power (kW)	Q (m ³ /h)	H (m)							
			30	40	50	60	64	70	80	
AS64-10-1	5.5	H (m)	27	25	23	21	20	18	15	
AS64-10	7.5		30	29.5	29	28	27	26	24	
AS64-20-2	11		53	51	47	43	41	37	30	
AS64-20	15		60	59	58	55	54	52	48	
AS64-30-2	18.5		83	81	76	71	68	63	54	
AS64-30	22		90	89	86	83	81	78	72	
AS64-40-2	30		113	110	105	98	95	89	78	
AS64-40	30		120	119	115	110	108	104	96	
AS64-50-2	37		143	140	133	126	122	115	102	
AS64-50	37		150	148	144	138	135	130	120	
AS64-60-2	45		173	170	162	153	149	141	126	
AS64-60	45		180	178	173	165	162	156	144	
AS64-70-2	55		203	199	191	181	176	167	150	
AS64-70	55		210	207	201	193	189	182	168	
AS64-80-2	55		233	229	220	208	203	193	174	
AS64-80	55		240	237	230	220	216	208	192	

Performance cruve



Installation dimensions and weight

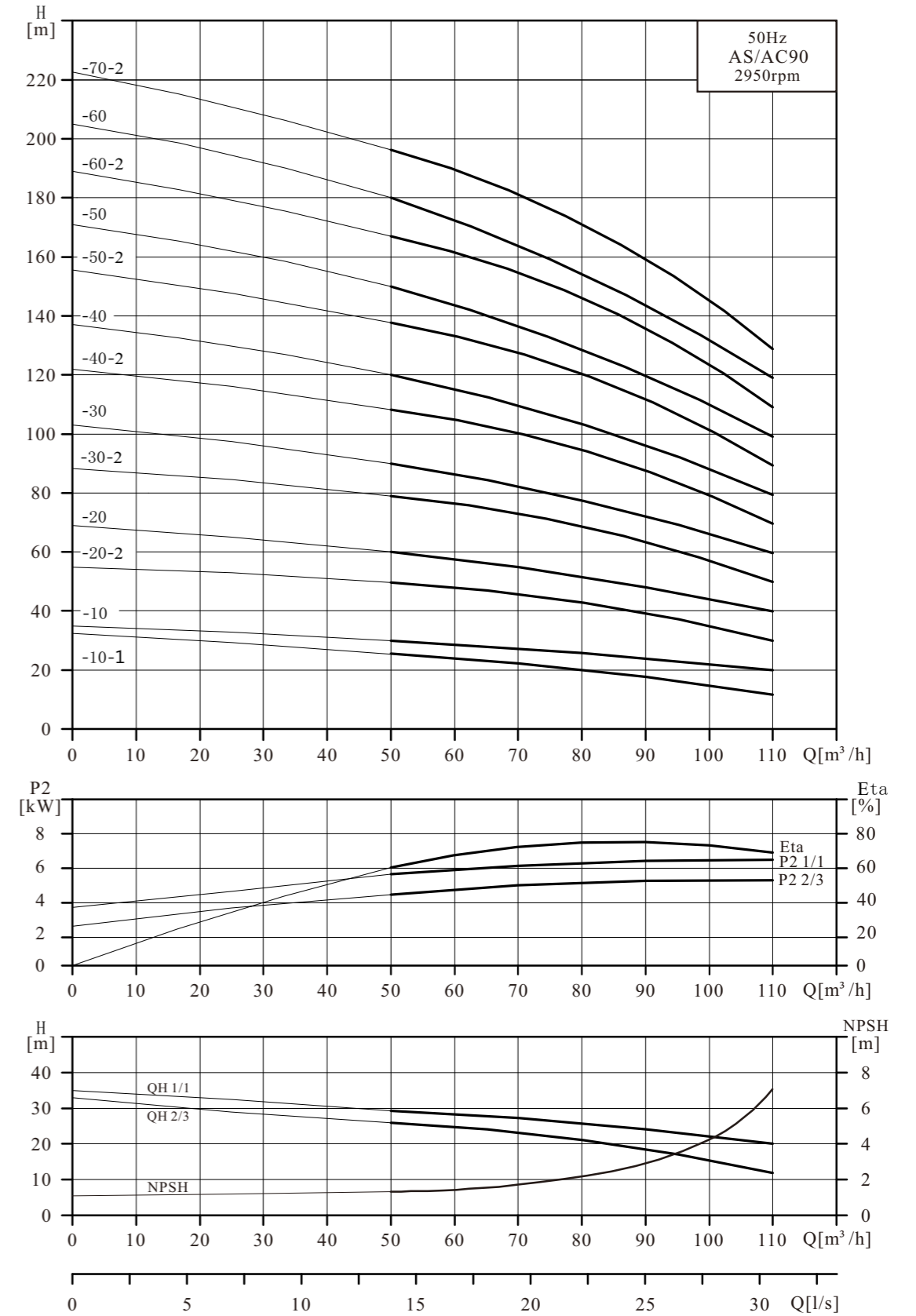


Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS90-10-1	523	465	988	260	210	125
AS90-10	628	610	1238	350	260	179
AS90-20-2	720	610	1330	350	260	189
AS90-20	720	640	1360	350	260	217
AS90-30-2	812	670	1482	360	285	248
AS90-30	812	715	1527	400	310	319
AS90-40-2	904	715	1619	400	310	322
AS90-40	904	715	1619	400	310	336
AS90-50-2	996	740	1736	460	340	412
AS90-50	996	740	1736	460	340	412
AS90-60-2	1118	820	1938	550	370	519
AS90-60	1118	820	1938	550	370	519
AS90-70-2	1210	820	2030	550	370	522

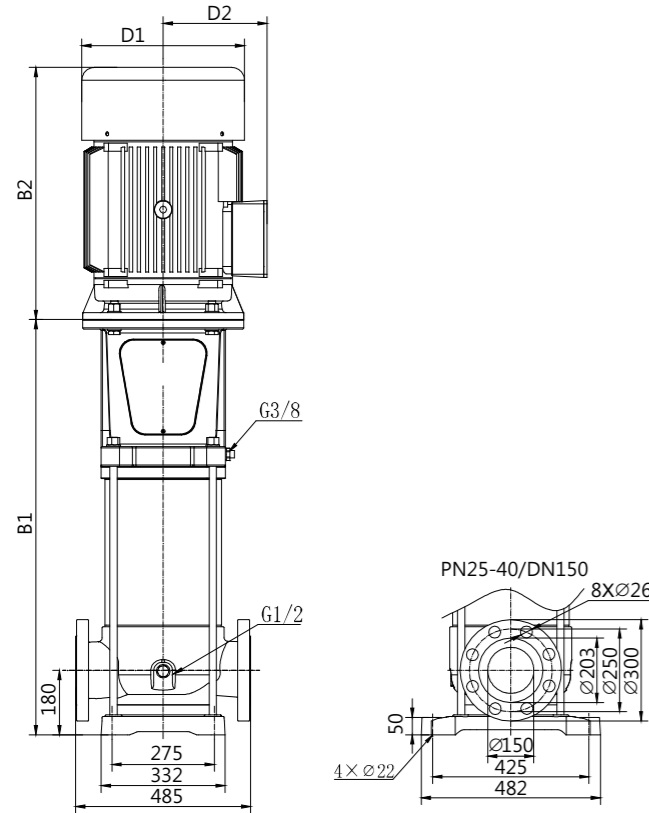
Performance data

Model	Power (kW)	Q (m ³ /h)	H (m)							
			50	60	70	80	90	100	110	
AS90-10-1	7.5	H (m)	25	24	22	21	19	16	12	
AS90-10	11		29	28	27	26	24	22	20	
AS90-20-2	15		53	50	47	44	40	36	30	
AS90-20	18.5		58	56	55	51	48	44	39	
AS90-30-2	22		82	78	74	70	64	58	50	
AS90-30	30		87	84	82	77	72	66	59	
AS90-40-2	30		111	106	102	95	88	80	69	
AS90-40	37		116	112	109	103	96	88	79	
AS90-50-2	45		140	134	129	121	112	102	89	
AS90-50	45		145	140	137	128	120	110	98	
AS90-60-2	55		169	162	156	147	136	124	109	
AS90-60	55		174	168	164	154	144	132	118	
AS90-70-2	55	198	190	184	172	160	146	128		

Performance cruve



Installation dimensions and weight

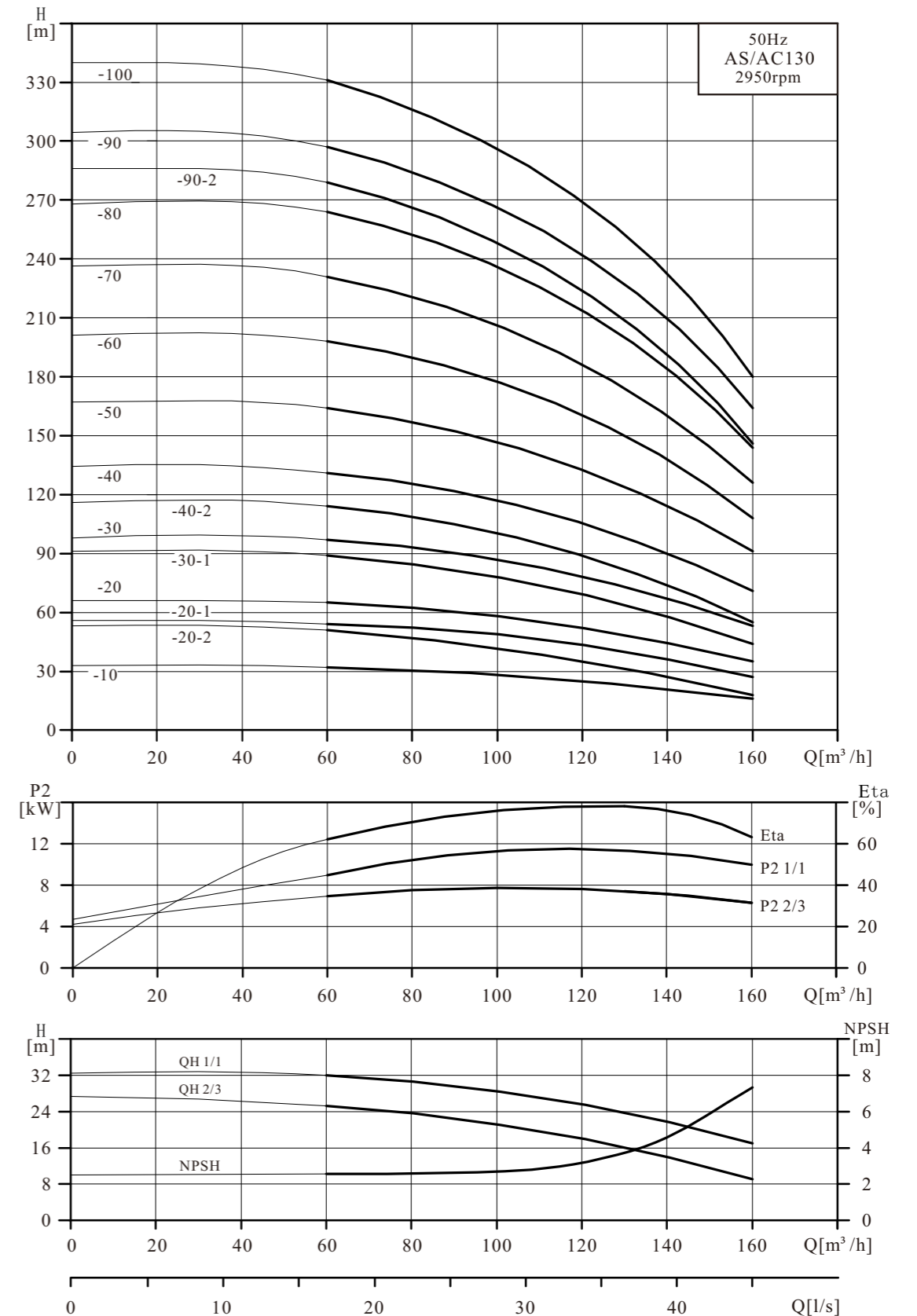


Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS130-10	787	610	1397	350	260	222
AS130-20-2	909	610	1519	350	260	238
AS130-20-1	909	640	1549	360	285	260
AS130-20	909	670	1579	360	285	292
AS130-30-1	1031	715	1746	400	310	371
AS130-30	1031	715	1746	400	310	385
AS130-40-2	1153	715	1868	400	310	394
AS130-40	1153	740	1893	460	340	465
AS130-50	1375	820	2195	550	370	581
AS130-60	1497	870	2367	580	410	704
AS130-70	1619	870	2489	580	410	713
AS130-80	1741	920	2661	580	410	768
AS130-90-2	1863	920	2783	580	410	778
AS130-90	1863	1060	2923	660	550	1169
AS130-100	1985	1060	3045	660	550	1178

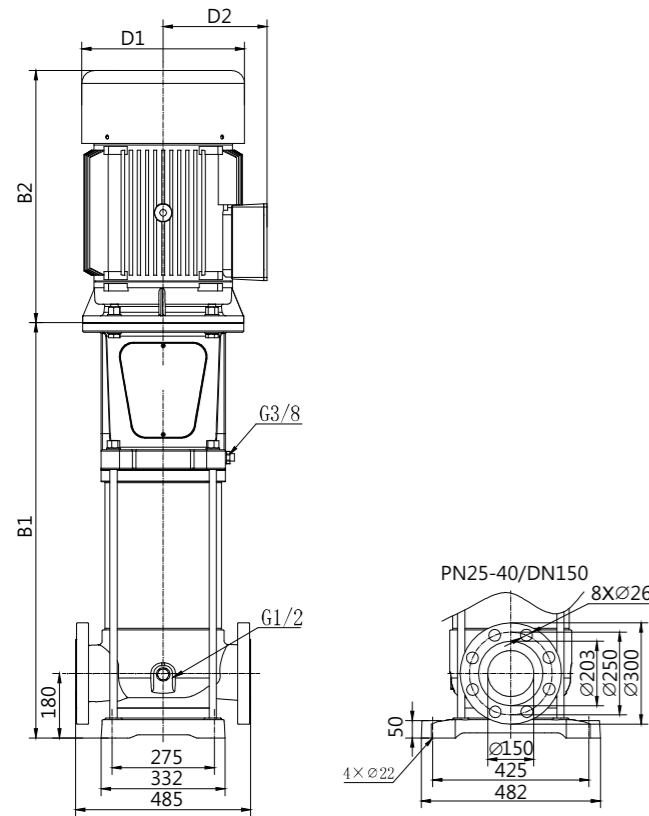
Performance data

Model	Power (kW)	Q (m³/h)	H (m)												
			60	70	80	90	100	110	120	130	140	150	160		
AS130-10	11		32	31	30	29	28	27	25	23	22	20	17		
AS130-20-2	15		51	48	46	43	40	37	34	31	27	23	18		
AS130-20-1	18.5		54	52	51	50	49	47	45	40	35	31	27		
AS130-20	22		65	64	62	60	58	56	52	48	44	40	35		
AS130-30-1	30		89	87	85	82	78	74	70	64	58	51	44		
AS130-30	37		97	96	94	91	87	83	77	73	67	61	53		
AS130-40-2	37		114	111	108	104	98	94	89	81	74	64	55		
AS130-40	45		131	129	125	121	117	113	105	97	89	82	71		
AS130-50	55		164	162	158	152	147	142	133	124	114	103	91		
AS130-60	75		198	196	189	182	178	170	161	150	137	122	108		
AS130-70	75		231	227	222	218	209	199	187	174	159	144	126		
AS130-80	90		264	260	254	248	238	228	213	200	182	164	144		
AS130-90-2	90		279	274	269	261	250	239	224	208	188	168	146		
AS130-90	110		297	293	287	279	268	257	243	227	207	187	164		
AS130-100	110		331	325	318	311	298	284	270	250	230	207	182		

Performance cruve



Installation dimensions and weight

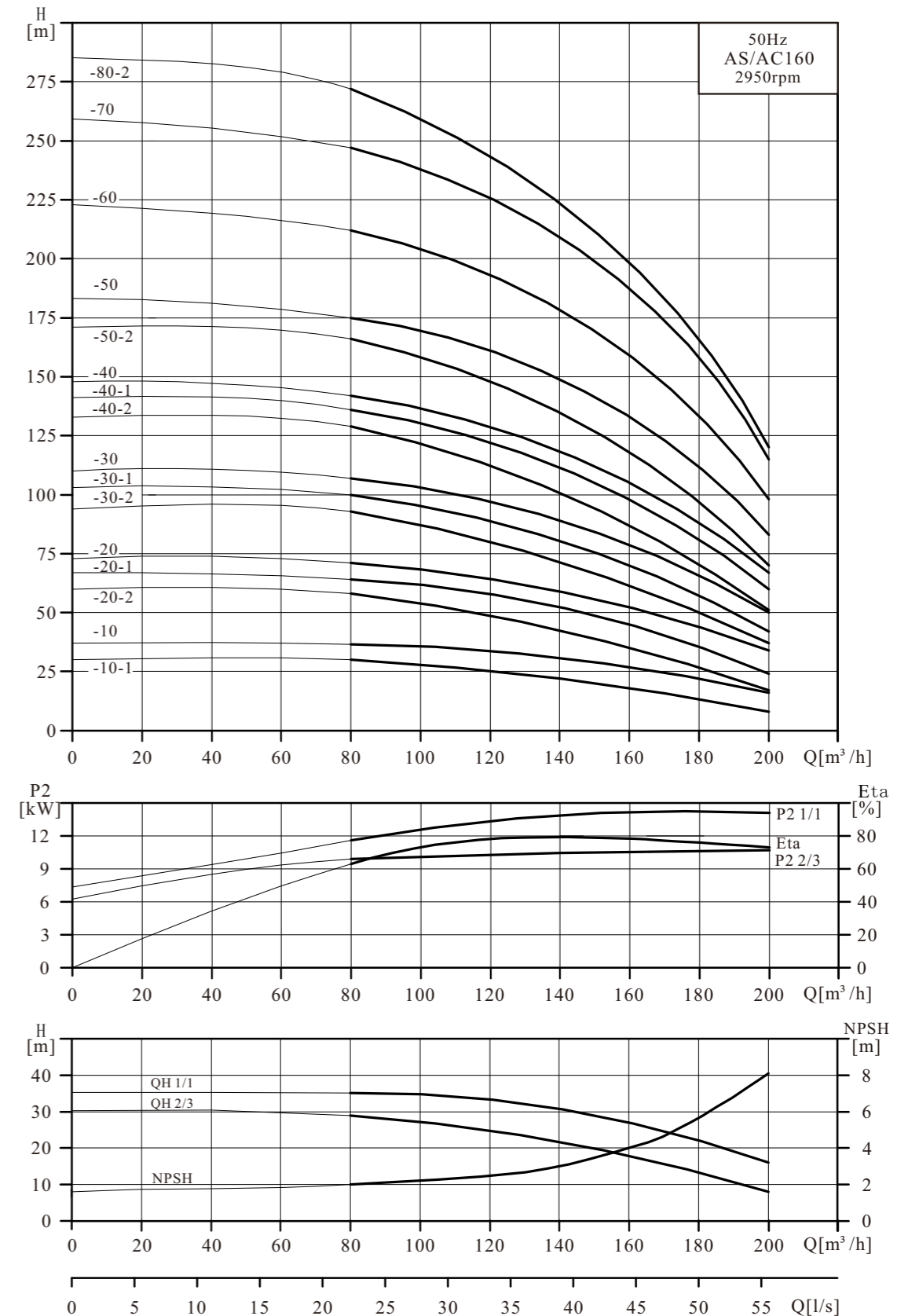


Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS160-10-1	787	610	1397	350	260	222
AS160-10	787	610	1397	350	260	229
AS160-20-2	909	670	1579	360	285	292
AS160-20-1	909	715	1624	400	310	362
AS160-20	909	715	1624	400	310	362
AS160-30-2	1031	715	1746	400	310	385
AS160-30-1	1031	740	1771	460	340	457
AS160-30	1031	740	1771	460	340	457
AS160-40-2	1183	820	2003	550	370	573
AS160-40-1	1183	820	2003	550	370	573
AS160-40	1183	870	2053	580	410	682
AS160-50-2	1305	870	2175	580	410	696
AS160-50	1305	870	2175	580	410	696
AS160-60	1427	920	2347	580	410	752
AS160-70	1549	1060	2609	660	550	1152
AS160-80-2	1671	1060	2731	660	550	1161

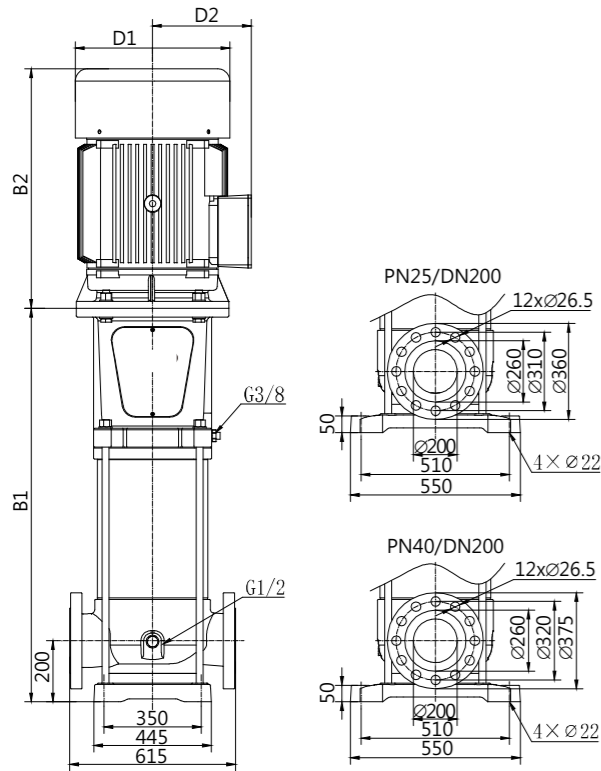
Performance data

Model	Power (kW)	Q (m³/h)	H (m)													
			80	90	100	110	120	130	140	150	160	170	180	190	200	
AS160-10-1	11		29	28	27	26	25	23	21	20	18	16	14	11	8	
AS160-10	15		35	34	33	32	31	30	29	28	27	24	21	19	16	
AS160-20-2	22		58	56	54	51	48	45	42	39	35	31	27	22	17	
AS160-20-1	30		64	62	60	58	56	53	50	48	45	40	35	30	24	
AS160-20	30		71	68	67	66	64	61	58	55	52	48	44	39	34	
AS160-30-2	37		93	91	89	85	81	77	72	67	61	55	49	43	37	
AS160-30-1	45		100	96	94	92	89	84	79	75	70	64	58	50	42	
AS160-30	45		107	103	101	99	96	93	90	85	79	73	66	58	50	
AS160-40-2	55		129	124	121	117	112	106	100	94	87	79	71	61	51	
AS160-40-1	55		136	133	130	126	122	117	112	105	98	90	81	70	60	
AS160-40	75		142	137	134	131	128	123	118	112	105	97	88	78	67	
AS160-50-2	75		166	163	159	154	148	142	135	127	118	108	96	83	70	
AS160-50	75		175	173	171	168	164	158	151	142	133	122	111	97	83	
AS160-60	90		212	209	205	201	196	190	181	171	159	147	133	115	98	
AS160-70	110		247	244	241	236	231	222	212	200	188	171	154	135	115	
AS160-80-2	110		272	267	262	256	249	238	226	213	198	180	161	141	120	

Performance cruve



Installation dimensions and weight



Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
AS190-10-1	854	640	1494	350	260	316
AS190-10	854	670	1524	360	285	345
AS190-20-2	986	670	1656	360	285	441
AS190-20	1006	740	1746	460	340	513
AS190-30-3	1140	820	1960	550	370	628
AS190-30	1140	870	2010	580	410	742
AS190-40-3	1268	870	2138	580	410	756
AS190-40	1268	920	2188	580	410	804
AS190-50-3	1420	1060	2480	660	550	1210
AS190-50	1420	1060	2480	660	550	1210
AS190-60-3	1548	1225	2773	660	550	1259
AS190-60	1548	1225	2773	660	550	1259
AS190-70-3	1676	1225	2901	660	550	1333
AS190-70	1676	1225	2901	660	550	1333
AS190-80-3	1804	1380	3184	660	550	1442
AS190-80	1804	1380	3184	660	550	1442

Performance data

Model	Power (kW)	Q (m ³ /h)	H (m)										
			90	120	140	160	180	190	200	220	240		
AS190-10-1	18.5		39	37	34	32	29	27	25	20	15		
AS190-10	22		45	42	39	37	35	33	31	28	23		
AS190-20-2	37		76	72	68	63	57	53	48	40	31		
AS190-20	45		87	83	79	74	69	66	62	55	45		
AS190-30-3	55		115	109	102	95	85	79	73	60	43		
AS190-30	75		132	126	120	113	105	99	94	82	68		
AS190-40-3	75		159	151	142	131	119	112	105	87	66		
AS190-40	90		175	168	160	151	139	131	125	110	90		
AS190-50-3	110		204	193	183	171	156	147	137	116	89		
AS190-50	110		219	211	202	189	175	167	157	136	113		
AS190-60-3	132		248	236	224	209	190	179	167	141	112		
AS190-60	132		263	253	242	228	210	199	189	164	135		
AS190-70-3	160		292	279	266	248	226	212	200	169	134		
AS190-70	160		308	295	283	267	246	232	220	191	156		
AS190-80-3	200		336	321	306	286	260	247	231	198	155		
AS190-80	200		350	338	323	305	280	267	252	218	179		

Performance cruve

