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Instruction

HSP/MHP multistage high pressure centrifugal pump is equipped with custom-designed mechanical seal and wet parts,can be for some certain high pressure application, such as carpet cleaning, bolier water feed,hot water pressure wash machine and other industries.We develop HSP/ MHP series pump with ultra-advanced technology, which is matched with 5200rpm long-time running permanent magnet motor, to realize a technical breakthrough of pressure up to 1000 meters of single pump

Connection

HSP:Flange MHP:Flange/coupling

Main material

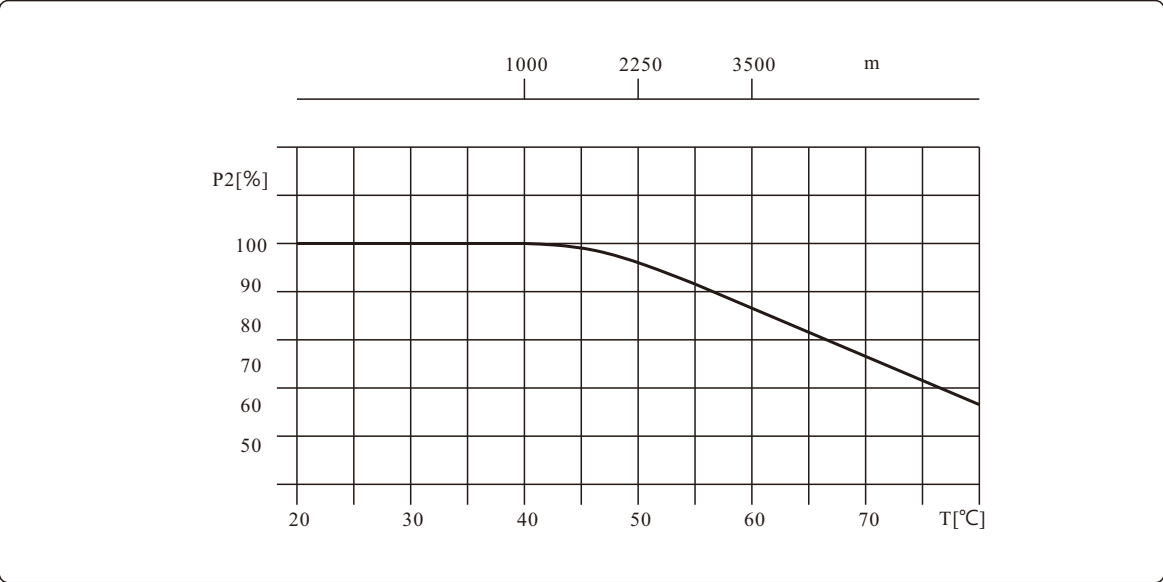
- Stainless steel(AISI304,AISI316)
- Duplex(2205)

Liquid temperature

- From -15℃ to +70℃

Altitude and ambient temperature

- When pump works in the condition ambient temperature 40 or altitude 1000m, the output power P2 of motor will decrease,so the power of motor for the pump should be bigger



Motor

- Squirrel cage type fully enclosed air-cooled IEC motor, suitable for continuous duty operation
- Protection class: IP55
- Insulation class: F
- Standard voltage: 3x380-415V

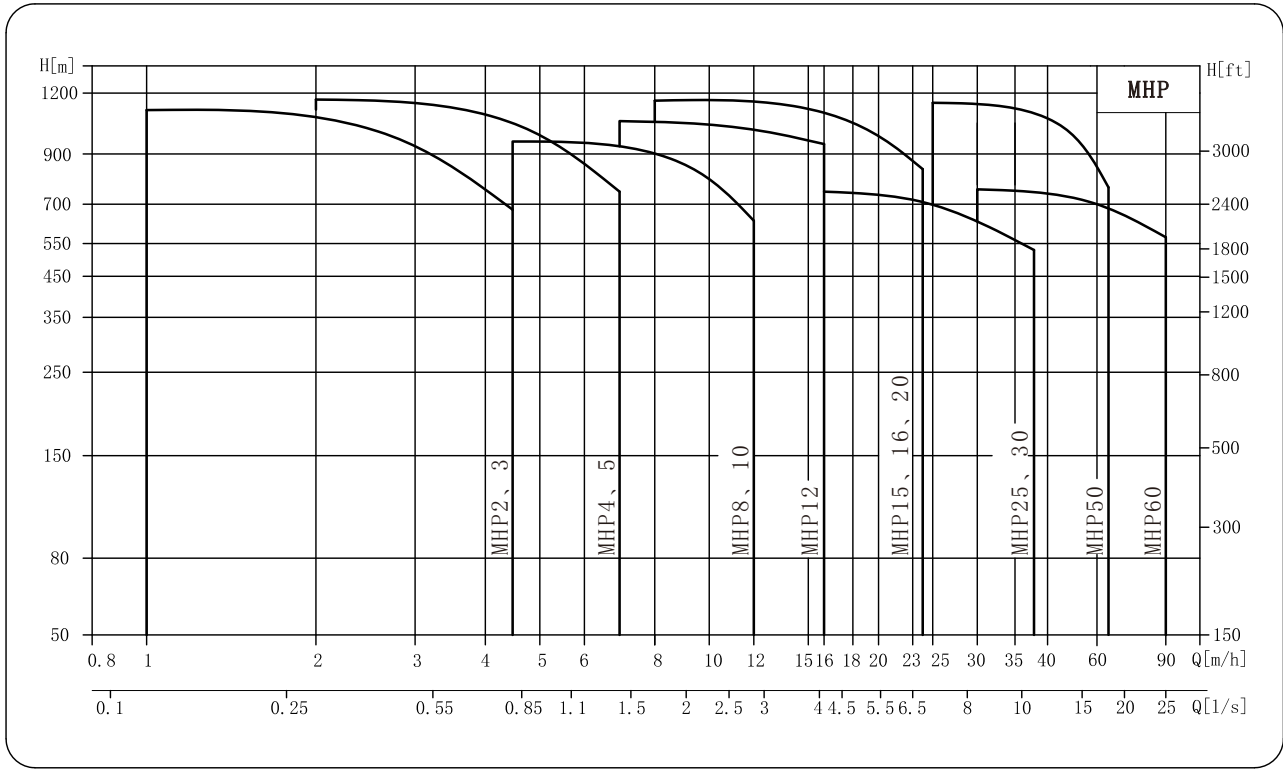
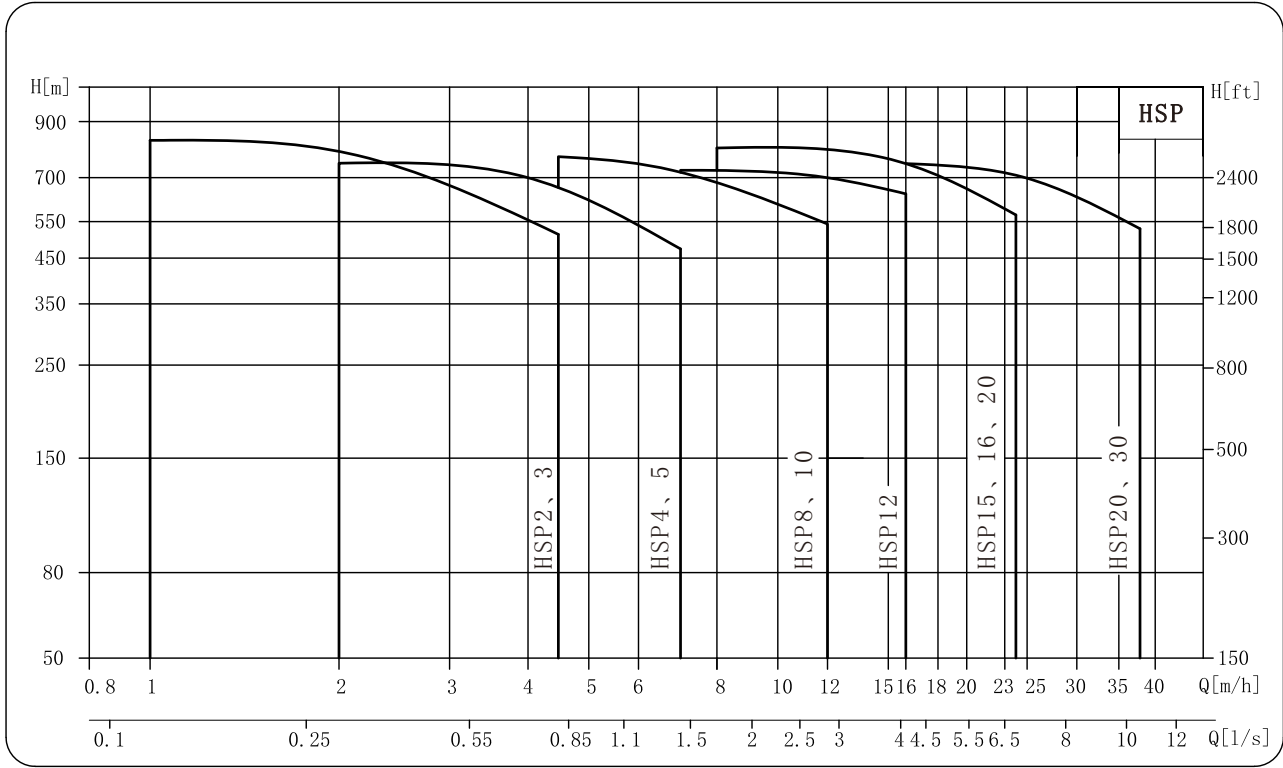
Performance curve

- All curves are based on the testing value at constant motor speed of 5200rpm.In application can adjust speed at range 4800-5350rpm to get the wanted head
- Curve tolerance meets ISO9906
- Test with 20℃ water without air,kinematic viscosity 1mm²/s
- Pump should work referring to the performance range of bold lines, to prevent the motor from overheating due to too less flow, or overloading due to too big flow

Working condition

- Thin,clean,non-flammable or explosive and not containing solid particles or fibers liquid
- Ambient temperature: Max.+40
- Altitude: Max.1000m

Performance range



HSP NPSH

Cavitation may occur if pump works in following condition:

- The tank or pool at lower level than pump inlet
- The liquid temperature too high
- The real flow is much more than rated flow
- The pump working pressure is less than the liquid vaporization pressure

Make sure there is a Min.pressure at pump inlet side to avoid cavitation.
The Max.suction head H [m] can be calculated by the follwong formula:
 $H = P_b \times 10.2 - NPSH - H_f - H_v - H_s$
 P_b =Atmospheric pressure [bar] (can be set as 1 bar)
For the closed system, P_b is system pressure [bar]
 $NPSH$ =net positive suction head
(can be read from the Max.flow point of the NPSH curve)
 H_f =pipe head loss at suction side [m]
 H_v =vaporization pressure [m]
 H_s =safety margin=Min.0.5m head

If the calculated H value is positive,the pump can work in the condition of the Max.suction head H
If the calculated H value is negtive,there should be a Min.suctin head.

check to ensure the pump will be not in cavitation

MHP NPSH

Cavitation may occur if pump works in following condition:

- The tank or pool at lower level than pump inlet
- The liquid temperature too high
- The real flow is much more than rated flow
- The pump working pressure is less than the liquid vaporization pressure

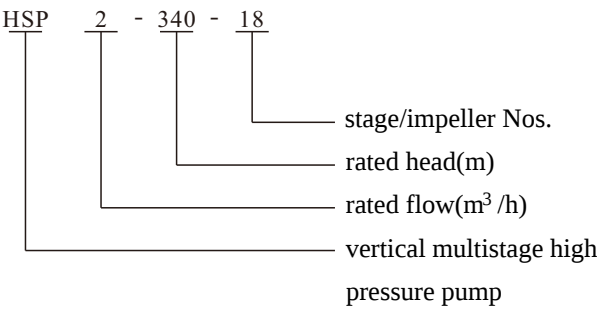
Make sure there is a Min.pressure at pump inlet side to avoid cavitation.
The Max.suction head H [m] can be calculated by the follwong formula:
 $H = P_b \times 10.2 - NPSH - H_f - H_v - H_s$
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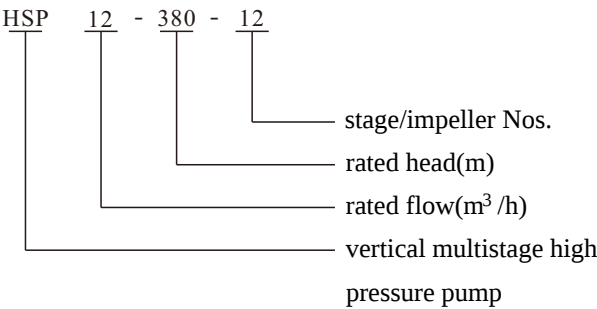
check to ensure the pump will be not in cavitation

Model description

HSP2,3,4,5,8,10



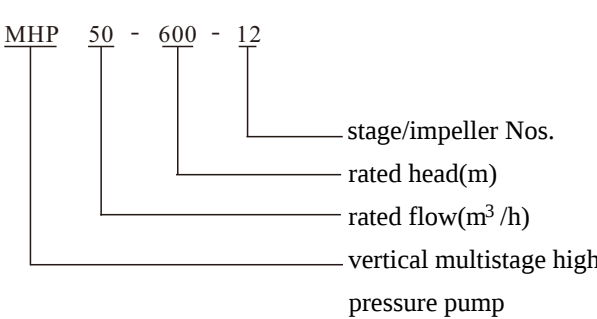
HSP12,15,16,20,25,30



Application

- high pressure water transportation
- industrial boosting
- high pressure washing
- RO system
- main pipe network boosting
- water treatment

MHP2,3,4,5,8,10,12,15,16,20,25,30,50,60



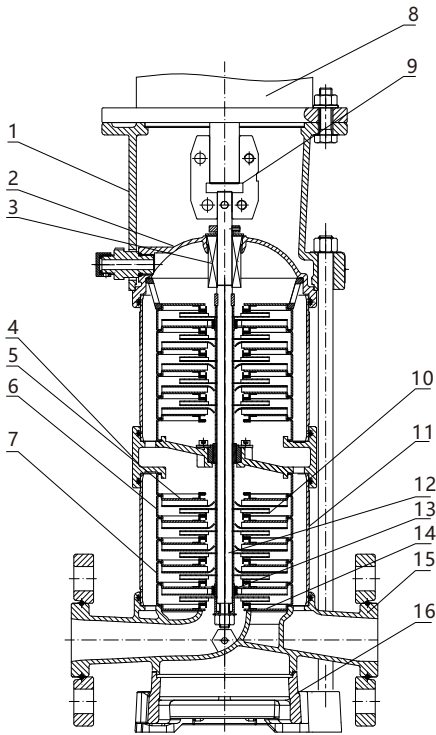
- high pressure water transportation
- industrial boosting
- high pressure washing
- RO system
- main pipe network boosting
- water treatment

Specification

Key parameter	HSP2	HSP3	HSP4	HSP5	HSP8	HSP10	HSP12	HSP15	HSP16	HSP20	HSP25	HSP30
Rated flow [m³/h]	2	3	4	5	8	10	12	15	16	20	25	30
Rated flow [l/s]	0.56	0.83	1.1	1.39	2.2	2.78	3.3	4.17	4.4	5.6	6.9	8.3
Flow range[m³/h]	1~4.5	1.2~4.5	2~7	2~7	4.5~12	4.5~12	7~16	8~24	8~24	8~24	16~38.5	16~38.5
Flow range [l/s]	0.28~1.25	0.33~1.25	0.56~1.94	0.56~1.94	1.25~3.33	1.25~3.33	1.94~4.44	2.22~6.67	2.22~6.67	2.22~6.67	4.44~10.56	4.44~10.56
Max.pressure [bar]	86	83	78	77	84	84	73	75	76	81	76	77
Power [kW]	5.5~15	5.5~15	7.5~15	7.5~15	15~30	15~30	22~45	22~45	22~55	22~55	45~90	45~90
Temp.range [°C]	-15~70											
Max.eff. [%]	56	56	68	68	63	63.5	65	68	68	68	68	69
HSP pipe connection												
DIN flange	DN25	DN25	DN32	DN32	DN40	DN40	DN50	DN50	DN50	DN50	DN50	DN50

Key parameter	MHP2	MHP3	MHP4	MHP5	MHP8	MHP10	MHP12	MHP15	MHP16	MHP20	MHP25	MHP30	MHP50	MHP60
Rated flow [m³/h]	2	3	4	5	8	10	12	15	16	20	25	30	50	60
Rated flow [l/s]	0.56	0.83	1.11	1.39	2.22	2.78	3.33	4.17	4.44	5.56	6.94	8.33	13.89	16.67
Flow range [m³/h]	1~4.5	1.2~4.5	2~7	2~7	4.5~12	4.5~12	7~16	8~24	8~24	8~24	16~38.5	16~38.5	25~65	30~90
Flow range [l/s]	0.28~1.25	0.33~1.25	0.56~1.94	0.56~1.94	1.25~3.33	1.25~3.33	1.94~4.44	2.22~6.67	2.22~6.67	2.22~6.67	4.44~10.7	4.44~10.7	6.94~18.06	8.33~25
Max.pres. [bar]	86	116	77	121	84	105	73	106	106	118	76	77	120	78
Power [kW]	11~15	11~18.5	15~30	15~30	30~37	30~37	45~55	45~75	45~75	45~75	45~90	45~90	110~200	110~200
Temp.range [°C]	-15~70													
Max.eff. [%]	56	56	68	68	63	63.5	65	68	68	68	68	69	75	75
MHP pipe connection														
DIN flange	DN32	DN32	DN32	DN32	DN40	DN40	DN50	DN50	DN50	DN50	DN50	DN50	DN80	DN80
Victaulic	DN40	DN40	DN40	DN40	DN50	DN50	DN60	DN60	DN60	DN60	DN60	DN60	/	/

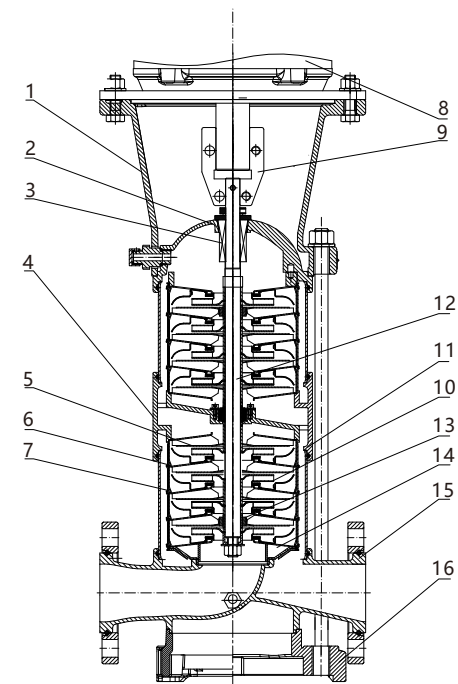
Structure HSP2, 3, 4, 5, 8, 10



Material HSP2, 3, 4, 5, 8, 10

No.	Description	Material	GB	EN DIN	AISI/ASTM
1	Bracket	Ductile iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTMA536 65-45-12
2	Mech.seal seat	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
3	Mech.seal	/	/	/	/
4	Support diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
5	Top diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4302	AISI304
6	Diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
7	Support diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4304	AISI304
8	Motor	/	/	/	/
9	Coupling	Ductile iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7 EN 10088-1.4301	ASTMA536 65-45-12
10	Impeller	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
11	Casing	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4302	AISI304
12	Shaft	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
13	Bearing	Tungsten carbide	/	/	/
14	Suction diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
15	Base	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
16	Base plate	Ductile iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTM A536 65-45-12

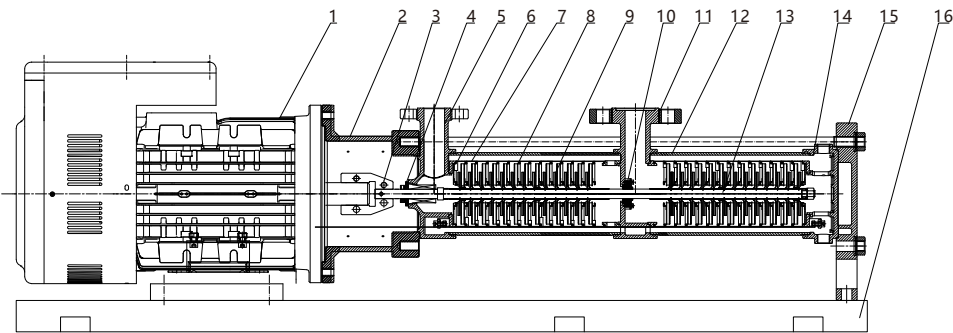
Structure HSP12,15,16,20,25,30



Material HSP12,15,16,20,25,30

No.	Description	Material	GB	EN DIN	AISI/ASTM
1	Bracket	Ductile iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTMA536 65-45-12
2	Mech.seal seat	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
3	Mech.seal	/	/	/	/
4	Support diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
5	Top diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4302	AISI304
6	Diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
7	Support diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4304	AISI304
8	Motor	/	/	/	/
9	Coupling	Ductile iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7 EN 10088-1.4301	ASTMA536 65-45-12
10	Impeller	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
11	Casing	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4302	AISI304
12	Shaft	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
13	Bearing	Tungsten carbide	/	/	/
14	Suction diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
15	Base	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
16	Base plate	Ductile iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTMA536 65-45-12

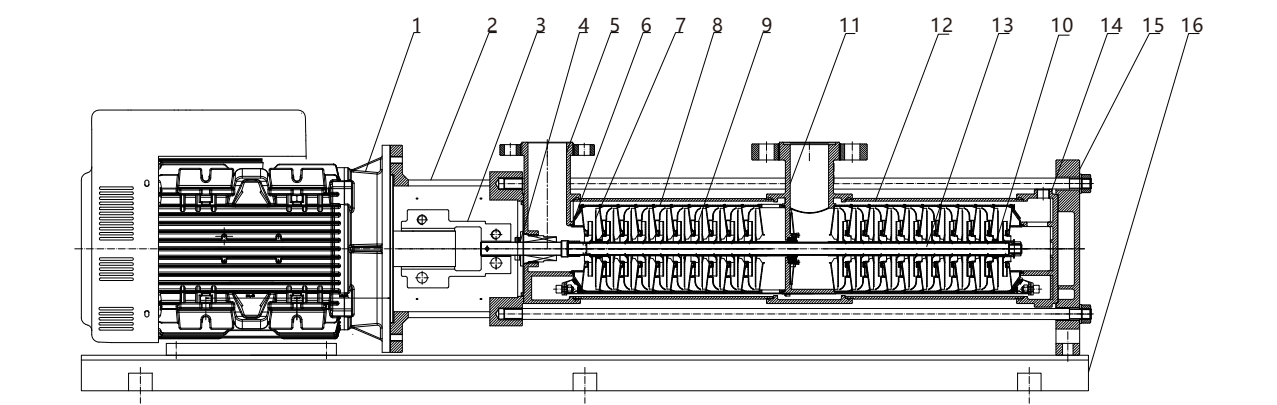
Structure MHP2,3,4,5,8,10



Material MHP2,3,4,5,8,10

No.	Description	Material	GB	EN DIN	AISI/ASTM
1	Motor	/	/	/	/
2	Bracket	Ductile iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTM A53665-45-12
3	Coupling	Ductile iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTM A53665-45-12
4	Mech.seal	/	/	/	/
5	Inlet	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
6	Suction diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
7	Support diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
8	Diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
9	Impeller	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
10	Bearing	Alloy	/	/	/
11	Outlet	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
12	Casing	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
13	Shaft	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
14	Reflux base	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
15	Support plate	Ductile iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTM A53665-45-12
16	Base plate	45#	/	/	/

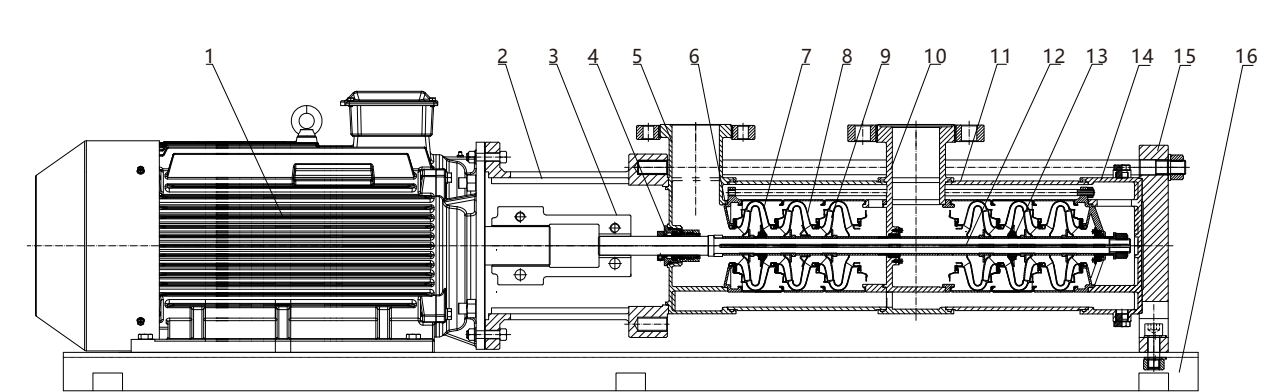
Structure MHP12,15,16,20,25,30



Material MHP12,15,16,20,25,30

No.	Description	Material	GB	EN DIN	AISI/ASTM
1	Motor	/	/	/	/
2	Bracket	Ductile iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTM A53665-45-12
3	Coupling	Ductile iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTM A53665-45-12
4	Mech.seal	/	/	/	/
5	Inlet	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
6	Suction diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
7	Support diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
8	Diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
9	Impeller	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
10	Bearing	Alloy	/	/	/
11	Outlet	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
12	Casing	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
13	Shaft	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
14	Reflux base	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
15	Support plate	Ductile iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTM A53665-45-12
16	Base plate	45#	/	/	/

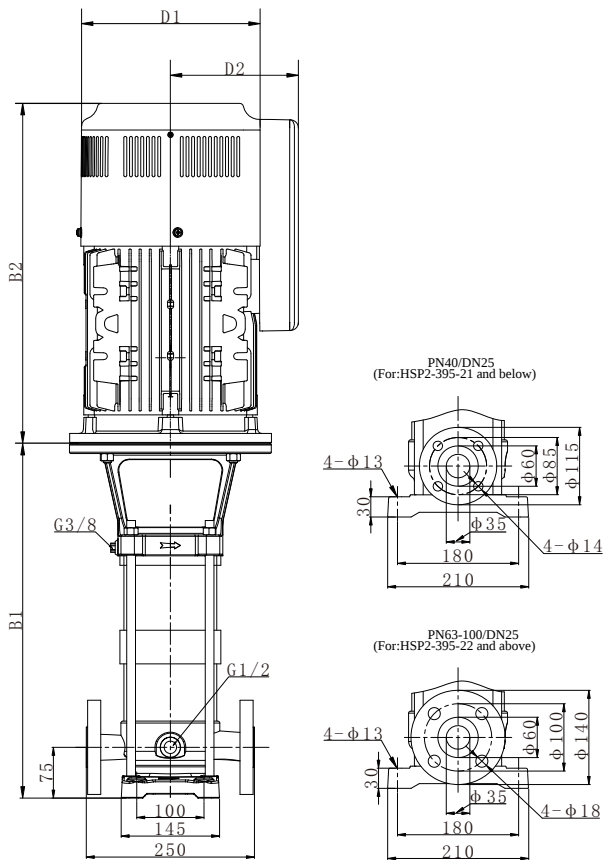
Structure MHP50,60



Material MHP50,60

No.	Description	Material	GB	EN DIN	AISI/ASTM
1	Motor	/	/	/	/
2	Bracket	Ductile iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTM A53665-45-12
3	Coupling	Ductile iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTM A53665-45-12
4	Mech.seal	/	/	/	/
5	Inlet	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
6	Suction diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
7	Support diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
8	Diffuser	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
9	Impeller	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
10	Outlet	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
11	Casing	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
12	Shaft	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
13	Bearing	Alloy	/	/	/
14	Reflux base	SS	GB/T20878-06Cr19Ni10	EN 10088-1.4303	AISI304
15	Support plate	Ductile iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTM A53665-45-12
16	Base plate	45#	/	/	/

Installation dimension and weight

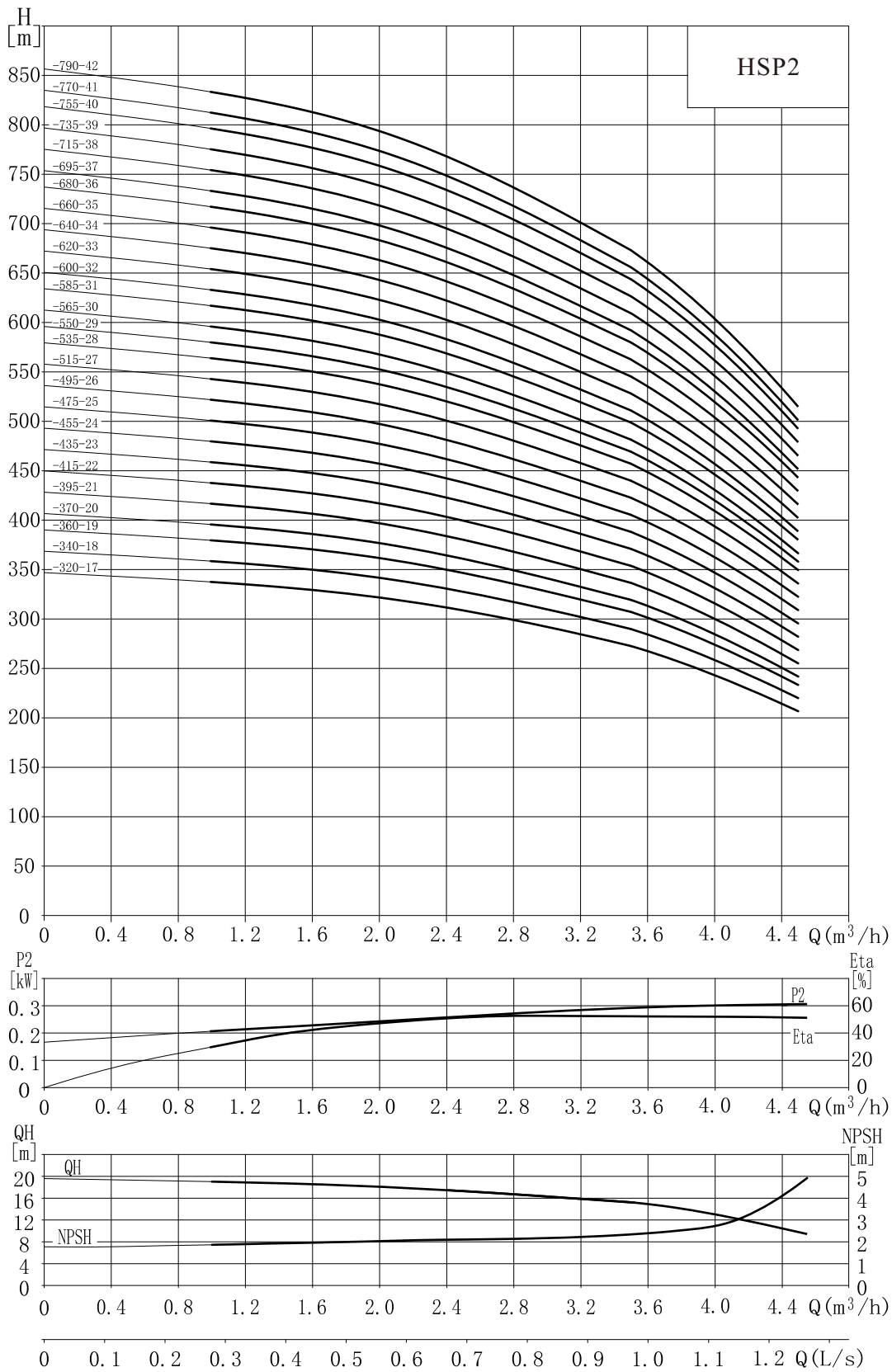


Model	Dimension (mm)					kg
	B1	B2	B1+B2	D1	D2	
HSP2-320-17	633	421	1054	220	145	59
HSP2-340-18	651	421	1072	220	145	60
HSP2-360-19	669	421	1090	220	145	60
HSP2-375-20	687	421	1108	220	145	61
HSP2-395-21	705	421	1126	220	145	64
HSP2-415-22	723	421	1144	220	145	67
HSP2-435-23	741	421	1162	220	145	67
HSP2-455-24	759	421	1180	220	145	68
HSP2-475-25	777	421	1198	220	145	68
HSP2-495-26	795	421	1216	220	145	69
HSP2-515-27	813	421	1234	220	145	69
HSP2-535-28	851	517	1368	260	172	82
HSP2-550-29	869	517	1386	260	172	82
HSP2-565-30	887	517	1404	260	172	83
HSP2-585-31	905	517	1422	260	172	84
HSP2-600-32	923	517	1440	260	172	86
HSP2-620-33	941	517	1458	260	172	86
HSP2-640-34	959	517	1476	260	172	87
HSP2-660-35	977	517	1494	260	172	87
HSP2-680-36	995	517	1512	260	172	88
HSP2-695-37	1013	517	1530	260	172	88
HSP2-715-38	1031	517	1548	260	172	88
HSP2-735-39	1049	517	1566	260	172	89
HSP2-755-40	1067	517	1584	260	172	89
HSP2-770-41	1085	517	1602	260	172	95
HSP2-790-42	1103	517	1620	260	172	95

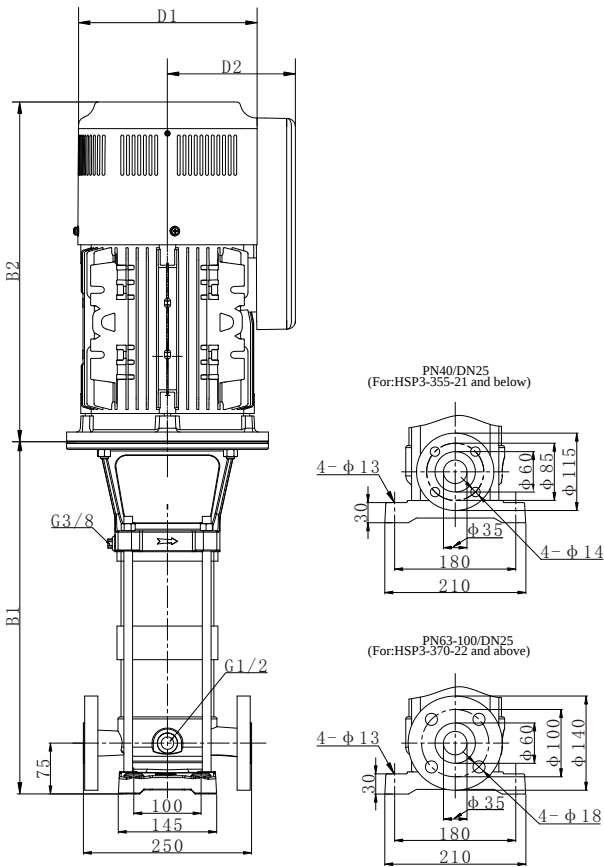
Performance data

Model	kW	Q (m³/h)	H (m)										
			1.0	1.2	1.6	2.0	2.4	2.8	3.2	3.5	4.0	4.5	
HSP2-320-17	5.5	H (m)	338	333	329	320	314	303	287	272	242	208	
HSP2-340-18	5.5		359	354	350	340	334	322	306	289	257	221	
HSP2-360-19	5.5		380	375	371	360	353	341	324	306	273	234	
HSP2-375-20	5.5		396	391	386	375	368	355	337	319	283	243	
HSP2-395-21	7.5		417	411	407	395	387	374	355	336	299	256	
HSP2-415-22	7.5		438	432	427	415	407	393	373	353	314	269	
HSP2-435-23	7.5		459	453	448	435	427	412	391	370	329	283	
HSP2-455-24	7.5		481	474	468	455	446	431	409	387	345	296	
HSP2-475-25	7.5		502	495	489	475	466	450	427	404	360	310	
HSP2-495-26	7.5		523	515	509	495	486	469	445	422	376	323	
HSP2-515-27	7.5		544	536	530	515	505	488	463	439	391	336	
HSP2-535-28	11		565	557	551	535	525	507	481	456	407	350	
HSP2-550-29	11		581	573	566	550	540	521	495	468	417	358	
HSP2-565-30	11		597	589	582	565	554	535	508	480	427	367	
HSP2-585-31	11		618	609	602	585	574	554	526	497	443	380	
HSP2-600-32	11		634	625	618	600	588	568	539	510	453	388	
HSP2-620-33	11		655	646	638	620	608	587	557	527	469	402	
HSP2-640-34	11		676	667	659	640	628	606	575	544	484	415	
HSP2-660-35	11		697	687	680	660	647	626	593	561	499	428	
HSP2-680-36	11		718	708	700	680	667	645	611	578	515	442	
HSP2-695-37	11		734	724	716	695	682	659	624	590	525	450	
HSP2-715-38	11		755	745	736	715	701	678	642	608	541	464	
HSP2-735-39	11		776	766	757	735	721	697	660	625	556	477	
HSP2-755-40	11		798	786	777	755	741	716	679	642	571	490	
HSP2-770-41	15		814	802	793	770	755	730	692	654	582	499	
HSP2-790-42	15		835	823	813	790	775	749	710	671	597	512	

Performance curve



Installation dimension and weight

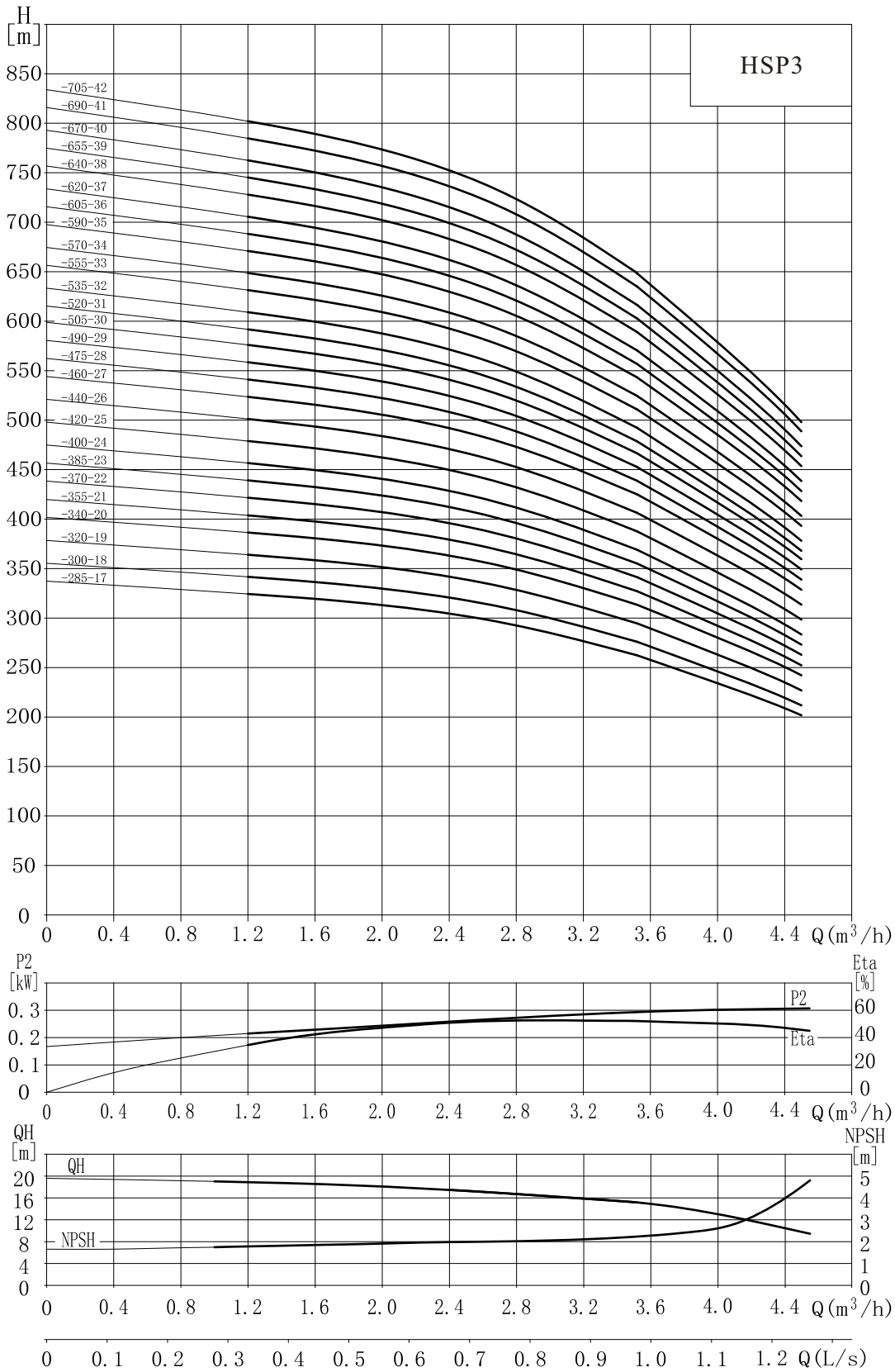


Model	Dimension (mm)					kg
	B1	B2	B1+B2	D1	D2	
HSP3-285-17	633	421	1054	220	145	59
HSP3-300-18	651	421	1072	220	145	60
HSP3-320-19	669	421	1090	220	145	60
HSP3-340-20	687	421	1108	220	145	61
HSP3-355-21	705	421	1126	220	145	64
HSP3-370-22	723	421	1144	220	145	67
HSP3-385-23	741	421	1162	220	145	67
HSP3-400-24	759	421	1180	220	145	68
HSP3-420-25	777	421	1198	220	145	68
HSP3-440-26	795	421	1216	220	145	69
HSP3-460-27	813	421	1234	220	145	69
HSP3-475-28	851	517	1368	260	172	82
HSP3-490-29	869	517	1386	260	172	82
HSP3-505-30	887	517	1404	260	172	83
HSP3-520-31	905	517	1422	260	172	84
HSP3-535-32	923	517	1440	260	172	86
HSP3-555-33	941	517	1458	260	172	86
HSP3-570-34	959	517	1476	260	172	87
HSP3-590-35	977	517	1494	260	172	87
HSP3-605-36	995	517	1512	260	172	88
HSP3-620-37	1013	517	1530	260	172	88
HSP3-640-38	1031	517	1548	260	172	88
HSP3-655-39	1049	517	1566	260	172	89
HSP3-670-40	1067	517	1584	260	172	89
HSP3-690-41	1085	517	1602	260	172	95
HSP3-705-42	1103	517	1620	260	172	95

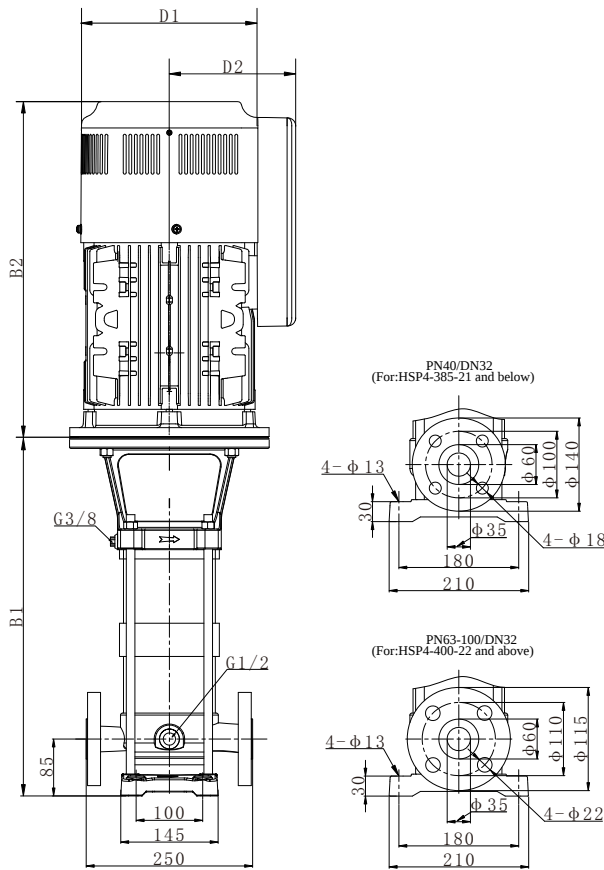
Performance data

Model	kW	Q (m³/h)	H (m)										
			1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.5	4.0	4.5	
HSP3-285-17	5.5	H (m)	324	320	311	304	294	285	278	262	232	198	
HSP3-300-18	5.5		341	337	327	320	309	300	293	276	244	208	
HSP3-320-19	5.5		363	359	349	342	330	320	312	295	261	223	
HSP3-340-20	5.5		386	381	370	363	350	340	332	314	278	238	
HSP3-355-21	7.5		403	398	387	379	366	355	346	327	290	248	
HSP3-370-22	7.5		421	416	404	396	382	370	361	341	303	258	
HSP3-385-23	7.5		438	433	420	412	398	385	376	355	315	268	
HSP3-400-24	7.5		456	450	437	428	413	400	391	369	327	278	
HSP3-420-25	7.5		478	472	459	449	434	420	411	388	344	293	
HSP3-440-26	7.5		500	494	480	470	454	440	430	406	361	308	
HSP3-460-27	7.5		523	516	502	492	475	460	450	425	377	323	
HSP3-475-28	11		540	534	518	508	490	475	465	439	390	333	
HSP3-490-29	11		557	551	535	524	506	490	479	453	402	343	
HSP3-505-30	11		575	568	552	541	522	505	494	467	414	353	
HSP3-520-31	11		591	584	567	555	536	520	507	479	424	361	
HSP3-535-32	11		608	601	583	571	551	535	522	492	436	371	
HSP3-555-33	11		630	623	605	592	572	555	541	511	453	386	
HSP3-570-34	11		647	640	621	608	587	570	556	525	465	396	
HSP3-590-35	11		670	662	642	630	608	590	575	543	482	411	
HSP3-605-36	11		687	679	659	646	623	605	590	557	493	421	
HSP3-620-37	11		704	696	675	662	639	620	604	571	505	430	
HSP3-640-38	11		726	718	697	683	659	640	624	589	522	445	
HSP3-655-39	11		744	735	713	699	675	655	639	603	534	455	
HSP3-670-40	11		761	752	730	715	690	670	653	617	546	465	
HSP3-690-41	15		783	774	751	736	711	690	673	635	563	480	
HSP3-705-42	15		800	791	768	752	726	705	687	649	575	490	

Performance curve



Installation dimension and weight

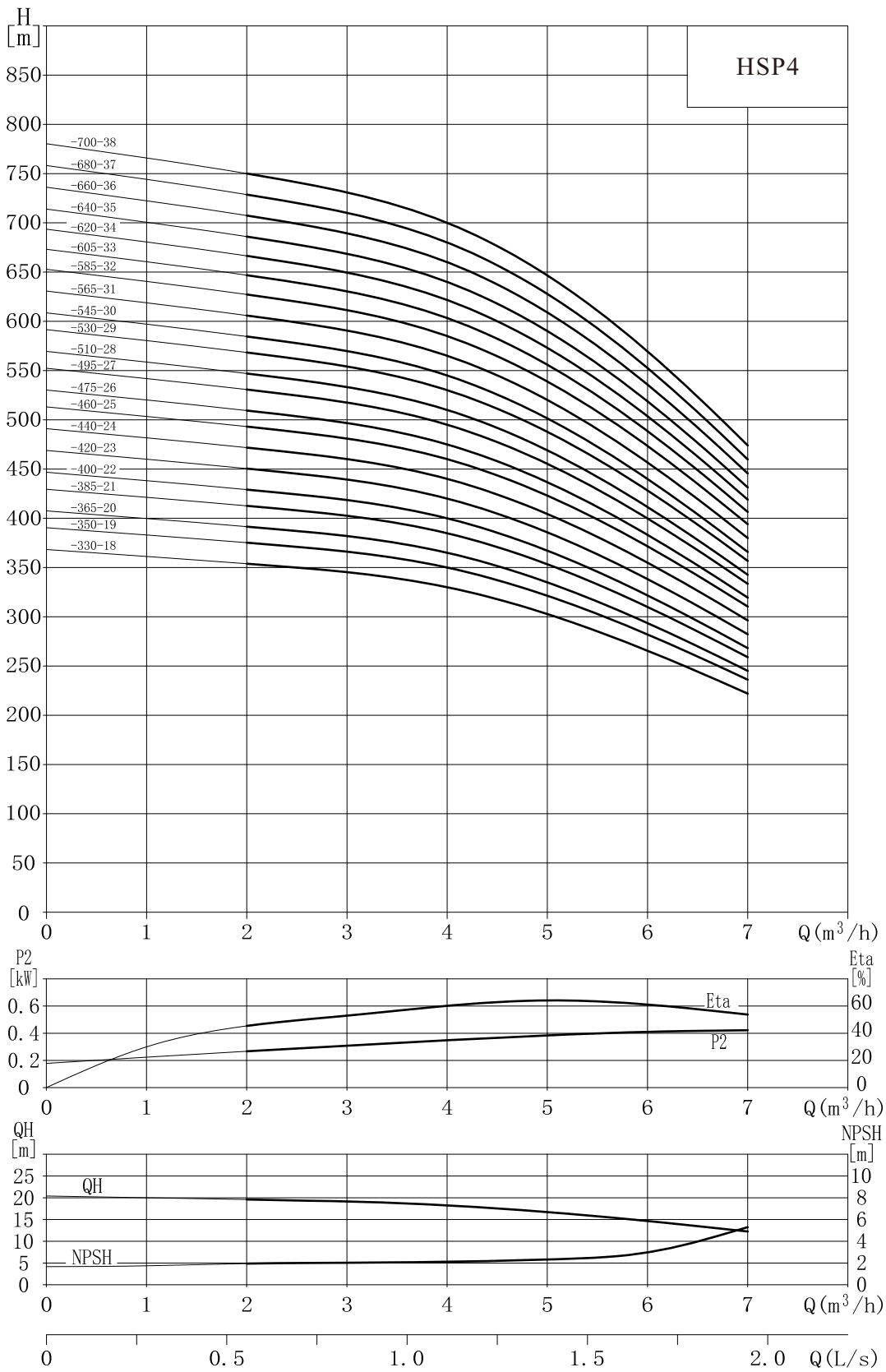


Model	Dimension (mm)					kg
	B1	B2	B1+B2	D1	D2	
HSP4-330-18	661	421	1082	220	145	64
HSP4-350-19	679	421	1100	220	145	64
HSP4-365-20	717	517	1234	260	172	77
HSP4-385-21	735	517	1252	260	172	78
HSP4-400-22	753	517	1270	260	172	81
HSP4-420-23	771	517	1288	260	172	81
HSP4-440-24	789	517	1306	260	172	81
HSP4-460-25	807	517	1324	260	172	82
HSP4-475-26	825	517	1342	260	172	82
HSP4-495-27	843	517	1360	260	172	83
HSP4-510-28	861	517	1378	260	172	83
HSP4-530-29	879	517	1396	260	172	88
HSP4-545-30	897	517	1414	260	172	89
HSP4-565-31	915	517	1432	260	172	89
HSP4-585-32	933	517	1450	260	172	90
HSP4-605-33	951	517	1468	260	172	91
HSP4-620-34	969	517	1486	260	172	93
HSP4-640-35	987	517	1504	260	172	93
HSP4-660-36	1005	517	1522	260	172	94
HSP4-680-37	1023	517	1540	260	172	94
HSP4-700-38	1041	517	1558	260	172	95

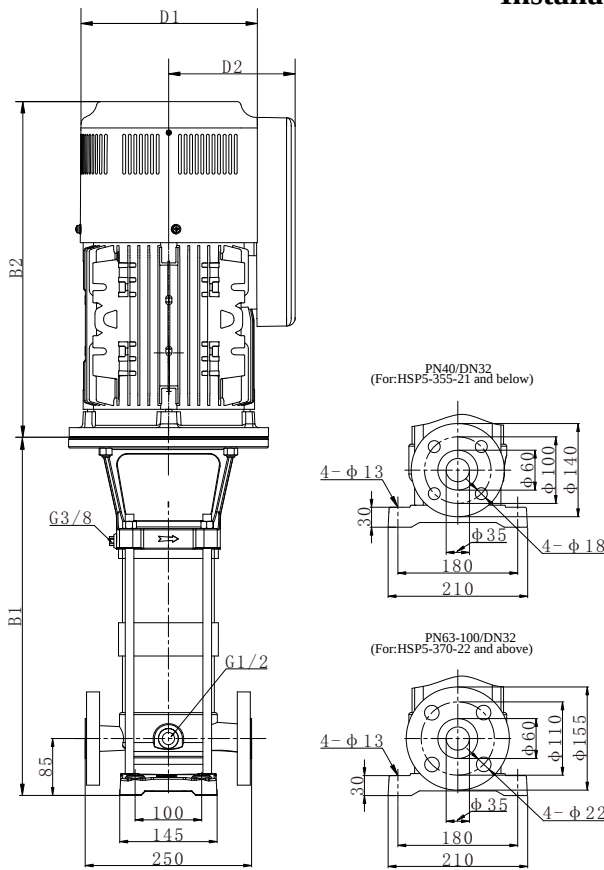
Performance data

Model	kW	Q (m³/h)	2	3	4	5	6	7
HSP4-330-18	7.5	H (m)	354	345	330	303	266	222
HSP4-350-19	7.5		375	366	350	321	282	236
HSP4-365-20	11		392	382	365	335	294	245
HSP4-385-21	11		413	403	385	353	310	259
HSP4-400-22	11		429	419	400	367	322	268
HSP4-420-23	11		451	439	420	386	338	282
HSP4-440-24	11		472	460	440	404	355	296
HSP4-460-25	11		493	481	460	423	372	310
HSP4-475-26	11		509	497	475	437	383	320
HSP4-495-27	11		531	518	495	455	400	334
HSP4-510-28	11		547	533	510	469	412	343
HSP4-530-29	15		569	554	530	488	428	357
HSP4-545-30	15		585	570	545	502	440	366
HSP4-565-31	15		606	591	565	520	457	380
HSP4-585-32	15		627	611	585	539	474	394
HSP4-605-33	15		647	631	605	556	489	407
HSP4-620-34	15		667	650	620	573	504	419
HSP4-640-35	15		686	669	640	590	519	431
HSP4-660-36	15		708	690	660	609	536	446
HSP4-680-37	15		729	710	680	628	553	460
HSP4-700-38	15		750	731	700	647	570	474

Performance curve



Installation dimension and weight

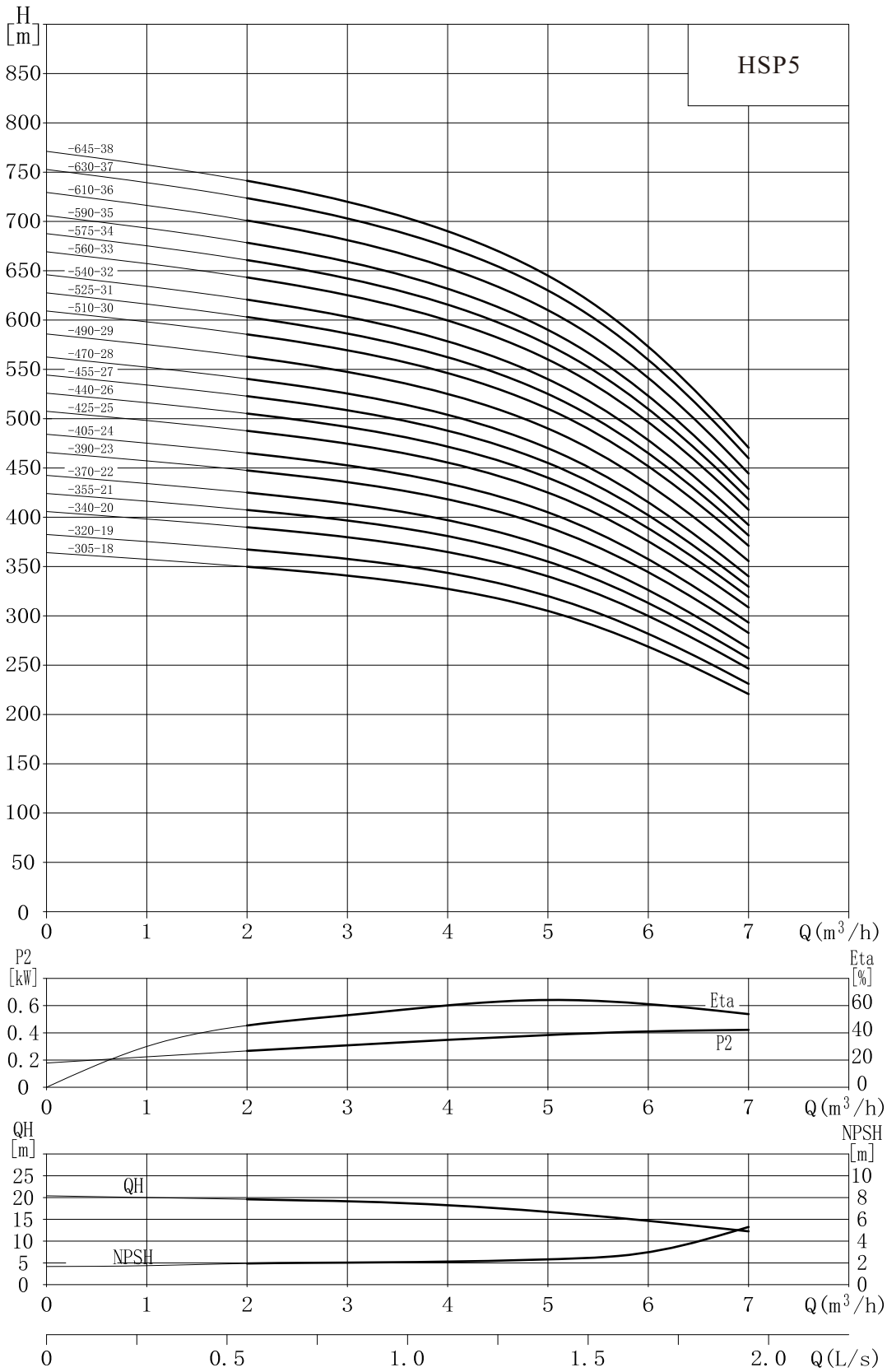


Model	Dimension (mm)					kg
	B1	B2	B1+B2	D1	D2	
HSP5-305-18	661	421	1082	220	145	64
HSP5-320-19	679	421	1100	220	145	64
HSP5-340-20	717	517	1234	260	172	77
HSP5-355-21	735	517	1252	260	172	78
HSP5-370-22	753	517	1270	260	172	81
HSP5-390-23	771	517	1288	260	172	81
HSP5-405-24	789	517	1306	260	172	81
HSP5-425-25	807	517	1324	260	172	82
HSP5-440-26	825	517	1342	260	172	82
HSP5-455-27	843	517	1360	260	172	83
HSP5-470-28	861	517	1378	260	172	83
HSP5-490-29	879	517	1396	260	172	88
HSP5-510-30	897	517	1414	260	172	89
HSP5-525-31	915	517	1432	260	172	89
HSP5-540-32	933	517	1450	260	172	90
HSP5-560-33	951	517	1468	260	172	91
HSP5-575-34	969	517	1486	260	172	93
HSP5-590-35	987	517	1504	260	172	93
HSP5-610-36	1005	517	1522	260	172	94
HSP5-630-37	1023	517	1540	260	172	94
HSP5-645-38	1041	517	1558	260	172	95

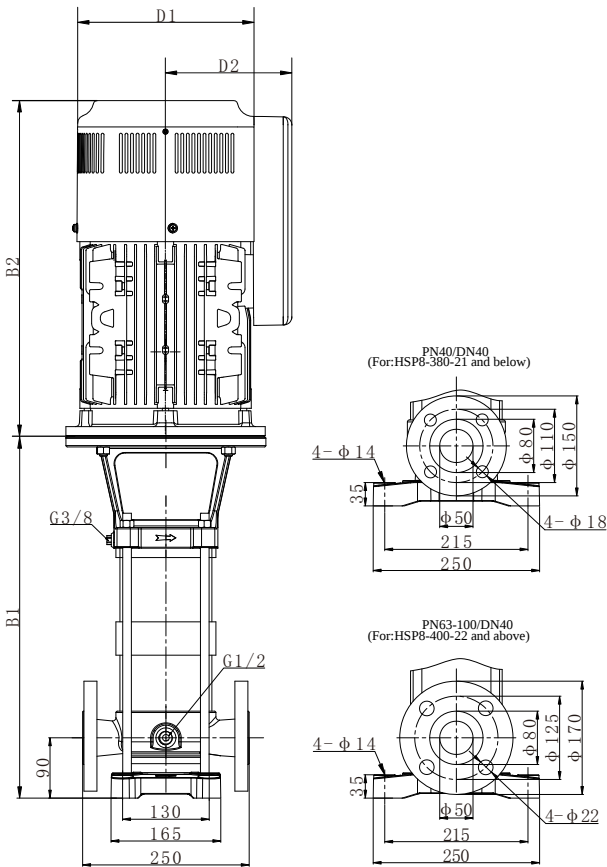
Performance data

Model	kW	Q (m³/h)	2	3	4	5	6	7
HSP5-305-18	7.5	H (m)	350	341	327	305	269	221
HSP5-320-19	7.5		367	358	344	320	282	231
HSP5-340-20	11		390	380	365	340	300	247
HSP5-355-21	11		408	397	381	355	313	257
HSP5-370-22	11		425	414	397	370	326	267
HSP5-390-23	11		448	436	418	390	344	283
HSP5-405-24	11		465	453	434	405	358	293
HSP5-425-25	11		488	475	456	425	376	309
HSP5-440-26	11		505	492	472	440	389	319
HSP5-455-27	11		523	509	488	455	402	330
HSP5-470-28	11		541	526	504	470	415	340
HSP5-490-29	15		563	548	525	490	434	356
HSP5-510-30	15		586	570	546	510	452	371
HSP5-525-31	15		603	586	562	525	465	382
HSP5-540-32	15		621	603	579	540	478	392
HSP5-560-33	15		643	625	600	560	497	408
HSP5-575-34	15		661	642	616	575	510	418
HSP5-590-35	15		679	659	632	590	523	429
HSP5-610-36	15		701	681	653	610	542	444
HSP5-630-37	15		724	703	674	630	560	460
HSP5-645-38	15		741	720	690	645	573	471

Performance curve



Installation dimension and weight

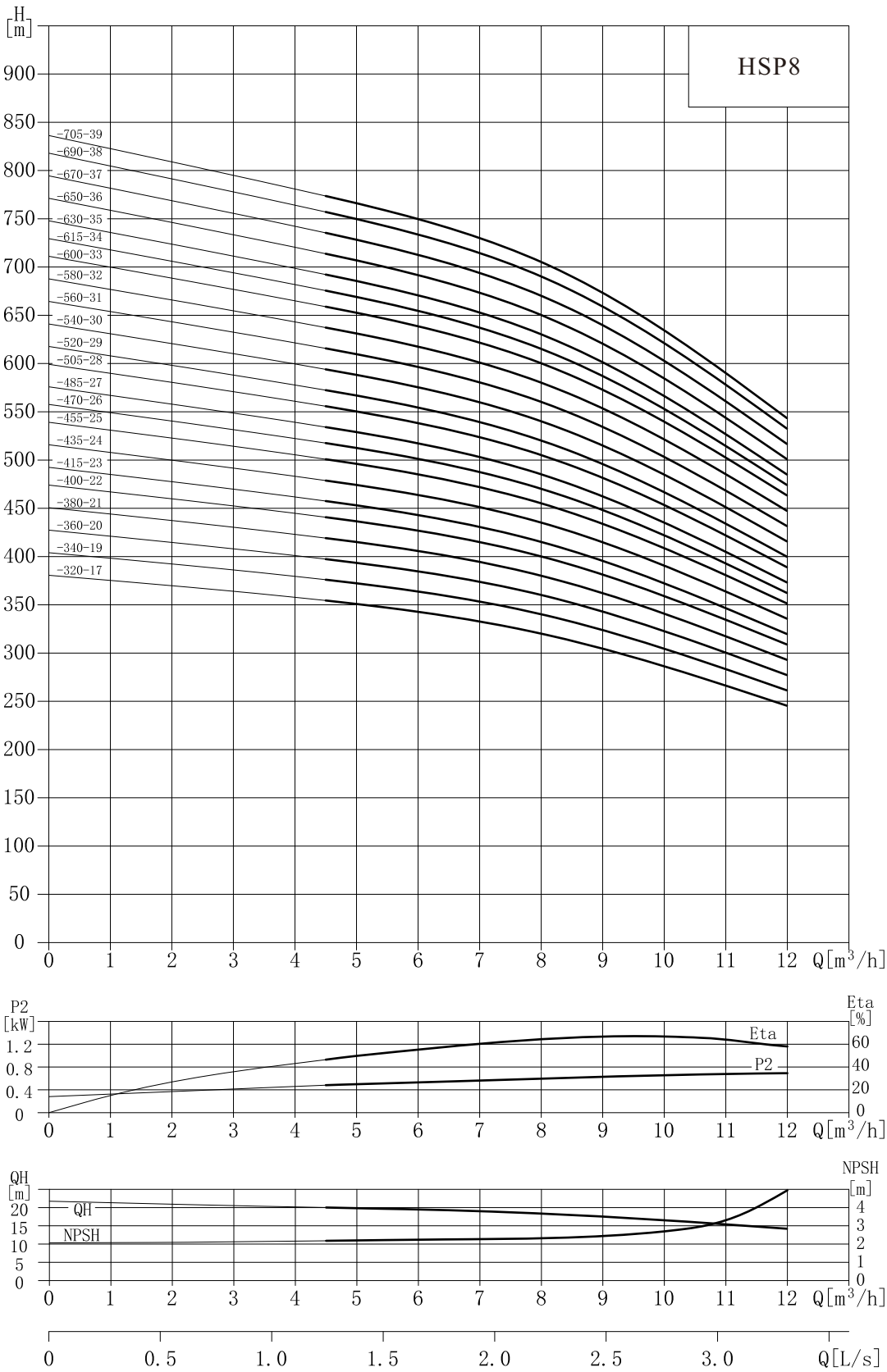


Model	Dimension (mm)					kg
	B1	B2	B1+B2	D1	D2	
HSP8-320-18	866	517	1383	260	172	85
HSP8-340-19	893	517	1410	260	172	86
HSP8-360-20	920	517	1437	260	172	86
HSP8-380-21	947	517	1464	260	172	87
HSP8-400-22	995	517	1512	260	172	103
HSP8-415-23	1022	517	1539	260	172	103
HSP8-435-24	1049	517	1566	260	172	104
HSP8-455-25	1076	517	1593	260	172	104
HSP8-470-26	1103	517	1620	260	172	110
HSP8-485-27	1130	517	1647	260	172	111
HSP8-505-28	1157	517	1674	260	172	111
HSP8-520-29	1184	517	1701	260	172	112
HSP8-540-30	1211	517	1728	260	172	112
HSP8-560-31	1238	517	1755	260	172	113
HSP8-580-32	1295	644	1939	319	234	178
HSP8-600-33	1322	644	1966	319	234	180
HSP8-615-34	1349	644	1993	319	234	182
HSP8-630-35	1376	644	2020	319	234	183
HSP8-650-36	1403	644	2047	319	234	184
HSP8-670-37	1430	644	2074	319	234	184
HSP8-690-38	1457	644	2101	319	234	185
HSP8-705-39	1484	644	2128	319	234	186

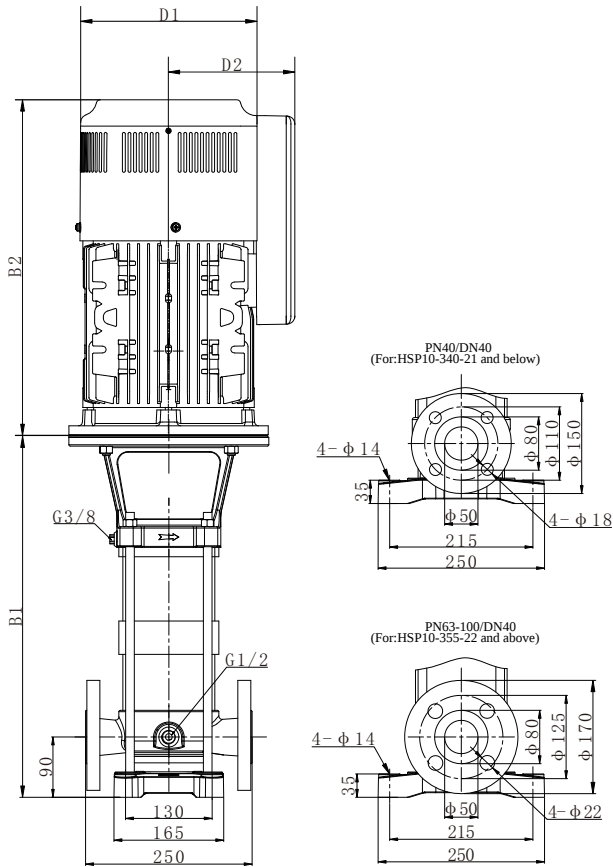
Performance data

Model	kW	Q (m³/h)	H (m)								
			4.5	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0
HSP8-320-18	15	H (m)	354	351	343	333	320	308	288	271	246
HSP8-340-19	15		376	372	364	353	340	328	307	288	261
HSP8-360-20	15		397	393	385	374	360	347	325	306	277
HSP8-380-21	15		419	415	406	394	380	366	343	323	293
HSP8-400-22	18.5		441	436	427	415	400	385	361	340	309
HSP8-415-23	18.5		458	453	443	430	415	400	374	352	320
HSP8-435-24	18.5		479	474	464	451	435	419	393	370	336
HSP8-455-25	18.5		501	496	485	472	455	439	411	387	352
HSP8-470-26	22		518	513	503	487	470	453	424	399	363
HSP8-485-27	22		534	529	517	503	485	467	437	411	373
HSP8-505-28	22		556	550	538	524	505	487	456	429	389
HSP8-520-29	22		572	597	554	539	520	501	469	441	400
HSP8-540-30	22	H (m)	594	588	575	560	540	520	487	458	416
HSP8-560-31	22		616	610	596	580	560	540	505	476	432
HSP8-580-32	30		637	631	617	601	580	559	524	493	448
HSP8-600-33	30		659	653	638	622	600	578	542	510	464
HSP8-615-34	30		676	669	655	637	615	593	555	522	474
HSP8-630-35	30		692	686	671	653	630	607	568	535	485
HSP8-650-36	30		714	707	692	674	650	626	586	552	501
HSP8-670-37	30		735	728	713	694	670	646	605	569	517
HSP8-690-38	30		757	750	734	715	690	665	623	587	533
HSP8-705-39	30		774	766	750	730	705	679	636	599	544

Performance curve



Installation dimension and weight

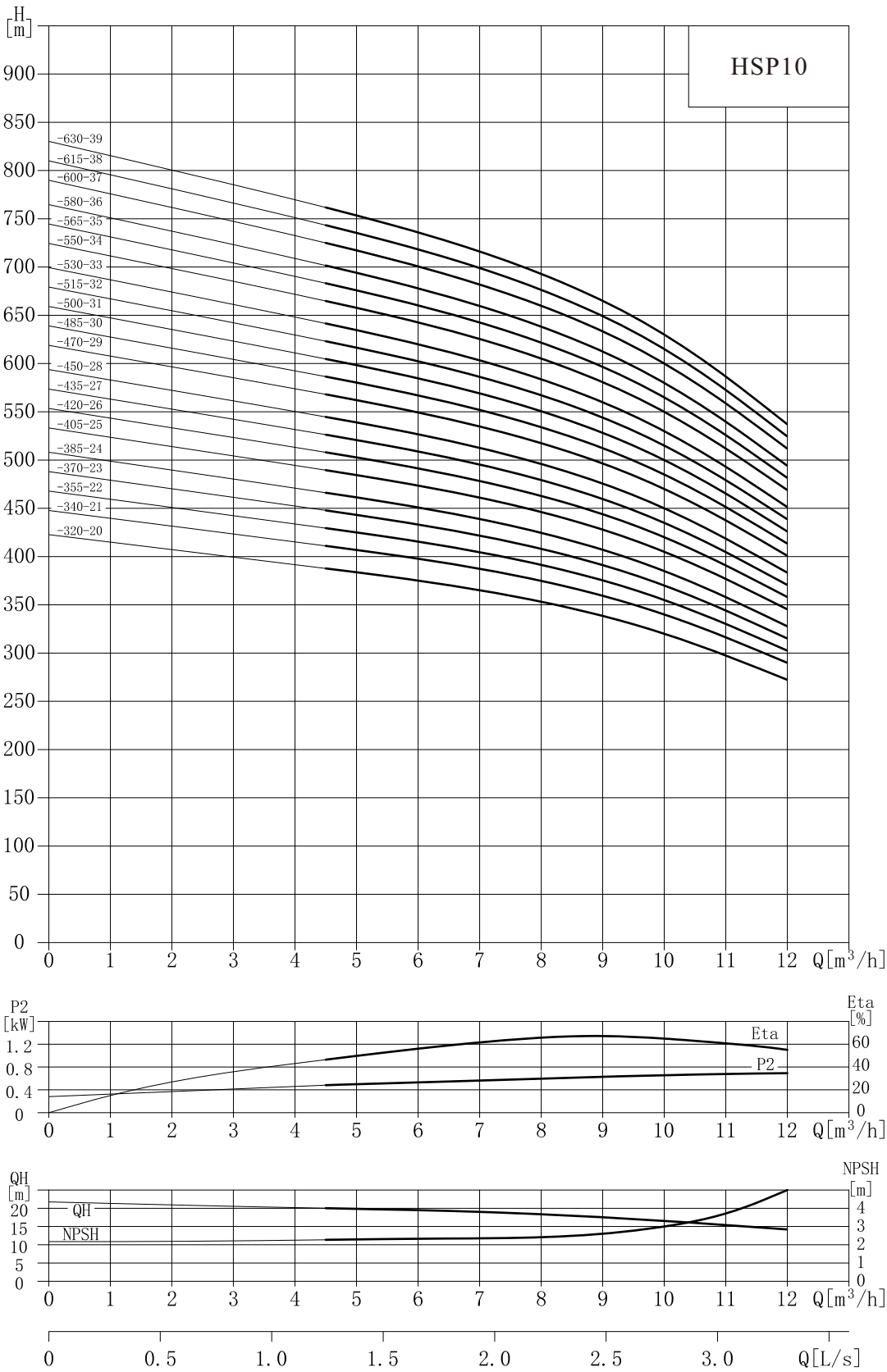


Model	Dimension (mm)					kg
	B1	B2	B1+B2	D1	D2	
HSP10-320-20	920	517	1437	260	172	86
HSP10-340-21	947	517	1464	260	172	87
HSP10-355-22	995	517	1512	260	172	103
HSP10-370-23	1022	517	1539	260	172	103
HSP10-385-24	1049	517	1566	260	172	104
HSP10-405-25	1076	517	1593	260	172	104
HSP10-420-26	1103	517	1620	260	172	110
HSP10-435-27	1130	517	1647	260	172	111
HSP10-450-28	1157	517	1674	260	172	111
HSP10-470-29	1184	517	1701	260	172	112
HSP10-485-30	1211	517	1728	260	172	112
HSP10-500-31	1238	517	1755	260	172	113
HSP10-515-32	1295	644	1939	319	234	178
HSP10-530-33	1322	644	1966	319	234	180
HSP10-550-34	1349	644	1993	319	234	182
HSP10-565-35	1376	644	2020	319	234	183
HSP10-580-36	1403	644	2047	319	234	184
HSP10-600-37	1430	644	2074	319	234	184
HSP10-615-38	1457	644	2101	319	234	185
HSP10-630-39	1484	644	2128	319	234	186

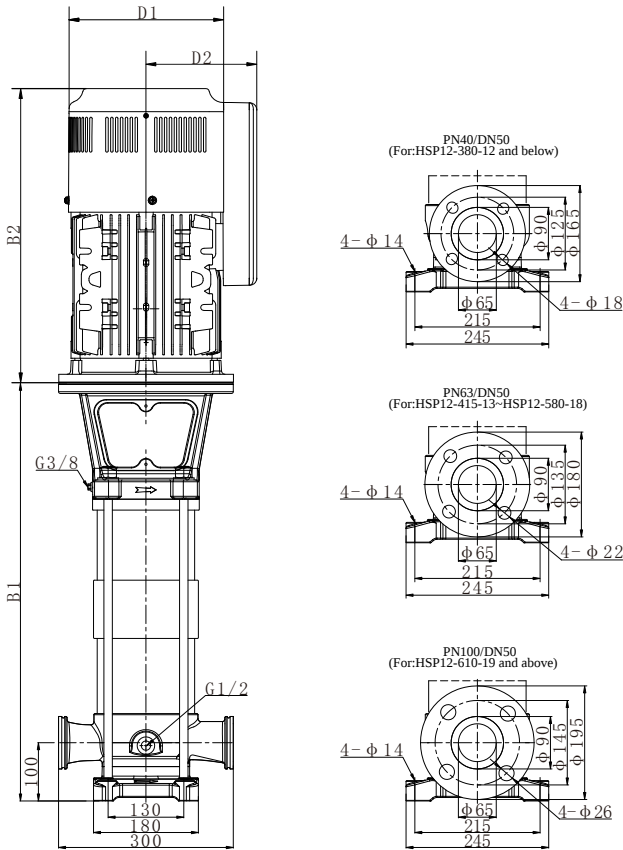
Performance data

Model	kW	Q (m³/h)	4.5	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0
HSP10-320-20	15	H (m)	388	383	376	368	355	342	320	301	273
HSP10-340-21	15		411	407	399	390	377	363	340	320	290
HSP10-355-22	18.5		429	425	416	408	394	379	355	334	303
HSP10-370-23	18.5		448	443	434	425	411	395	370	348	315
HSP10-385-24	18.5		466	461	452	442	427	412	385	362	328
HSP10-405-25	18.5		490	484	475	465	449	433	405	381	346
HSP10-420-26	22		508	503	493	482	466	449	420	395	358
HSP10-435-27	22		526	521	510	500	483	465	435	409	371
HSP10-450-28	22		545	539	528	517	499	481	450	423	384
HSP10-470-29	22		568	562	551	539	521	502	470	442	401
HSP10-485-30	22		586	580	569	557	538	518	485	456	414
HSP10-500-31	22		605	598	587	574	555	534	500	470	427
HSP10-515-32	30		623	617	604	592	572	550	515	484	439
HSP10-530-33	30		641	635	622	609	588	567	530	498	452
HSP10-550-34	30		665	658	645	631	610	588	550	517	469
HSP10-565-35	30		683	676	663	649	627	604	565	531	482
HSP10-580-36	30		702	694	681	666	644	620	580	545	495
HSP10-600-37	30		725	717	703	689	665	641	600	565	512
HSP10-615-38	30		743	736	721	706	682	657	615	579	525
HSP10-630-39	30		762	754	739	723	699	673	630	593	538

Performance curve



Installation dimension and weight

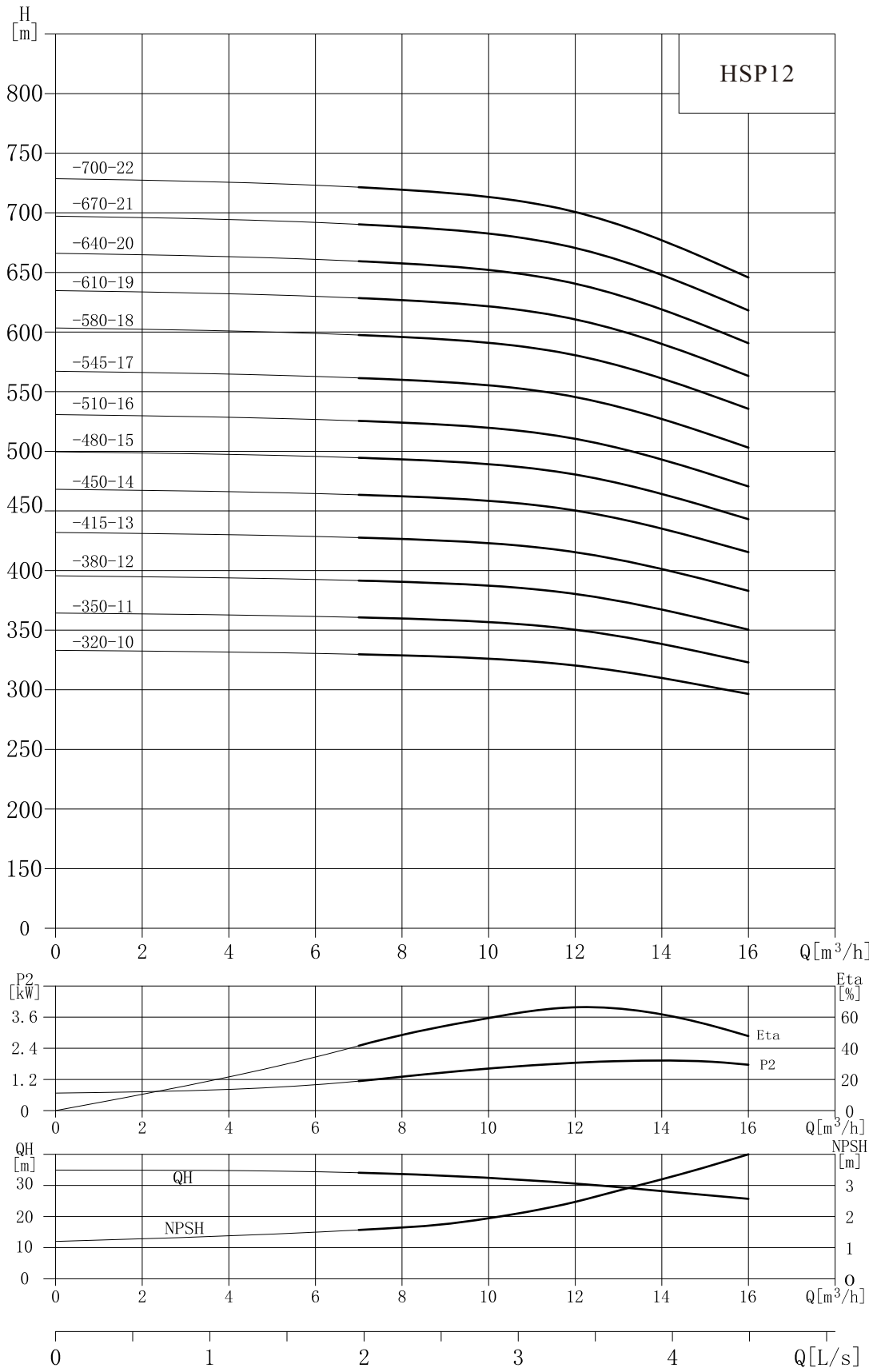


Model	Dimension (mm)					kg
	B1	B2	B1+B2	D1	D2	
HSP12-320-10	717	517	1234	260	172	109
HSP12-350-11	747	517	1264	260	172	110
HSP12-380-12	777	517	1294	260	172	111
HSP12-415-13	807	644	1451	319	234	182
HSP12-450-14	926	644	1570	319	234	183
HSP12-480-15	956	644	1600	319	234	184
HSP12-510-16	986	644	1630	319	234	185
HSP12-545-17	1016	644	1660	319	234	197
HSP12-580-18	1046	644	1690	319	234	199
HSP12-610-19	1076	644	1720	319	234	203
HSP12-640-20	1106	644	1750	319	234	246
HSP12-670-21	1136	644	1780	319	234	247
HSP12-700-22	1166	644	1810	319	234	248

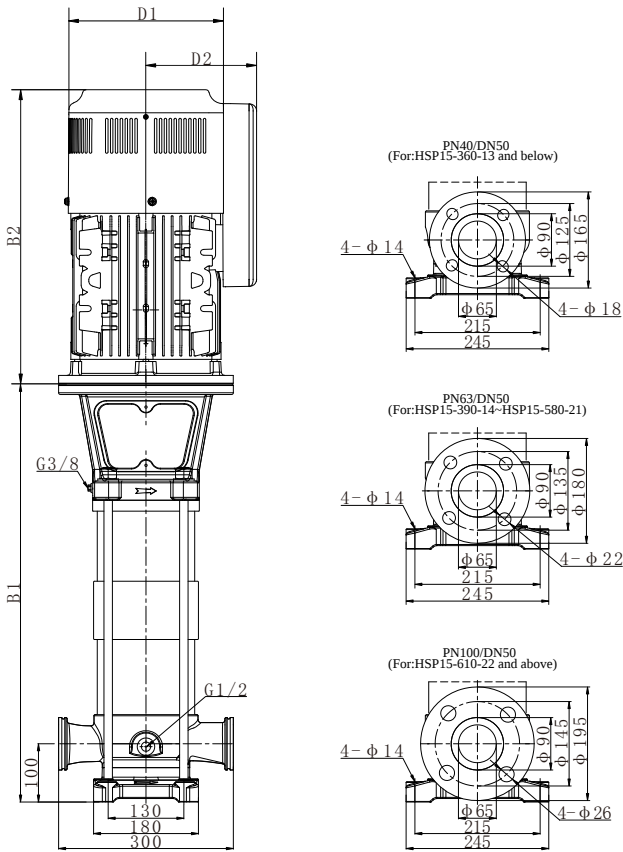
Performance data

Model	kW	Q (m³/h)	7	8	9	10	11	12	13	14	15	16
HSP12-320-10	22	H (m)	330	329	328	326	324	320	316	310	303	296
HSP12-350-11	22		361	360	359	357	354	350	345	338	331	323
HSP12-380-12	22		392	391	389	387	385	380	375	367	359	350
HSP12-415-13	30		428	426	425	423	420	415	409	401	392	383
HSP12-450-14	30		463	462	461	459	455	450	444	435	426	415
HSP12-480-15	30		495	493	492	489	486	480	473	464	454	443
HSP12-510-16	30		526	523	522	520	516	510	503	493	482	471
HSP12-545-17	37		561	559	558	555	551	545	537	527	515	503
HSP12-580-18	37		598	595	594	591	587	580	572	561	549	536
HSP12-610-19	37		629	626	625	622	617	610	601	590	577	563
HSP12-640-20	45		659	657	655	652	647	640	631	619	605	591
HSP12-670-21	45		690	688	686	683	678	670	660	648	633	618
HSP12-700-22	45		721	719	717	713	708	700	690	677	662	646

Performance curve



Installation dimension and weight

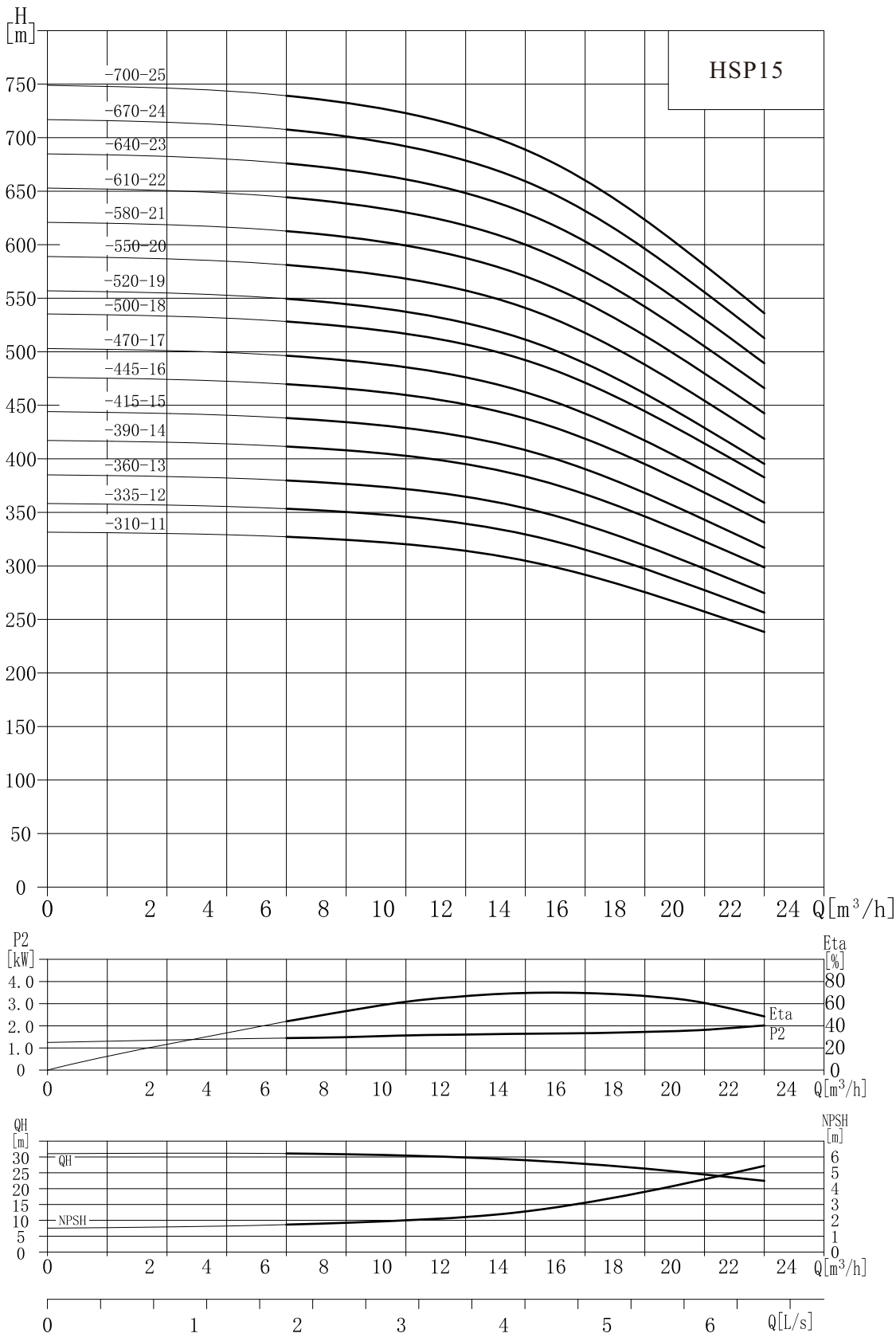


Model	Dimension (mm)					kg
	B1	B2	B1+B2	D1	D2	
HSP15-310-11	747	517	1264	260	172	110
HSP15-335-12	777	517	1294	260	172	111
HSP15-360-13	896	644	1540	319	234	179
HSP15-390-14	926	644	1570	319	234	183
HSP15-415-15	956	644	1600	319	234	184
HSP15-445-16	986	644	1630	319	234	185
HSP15-470-17	1016	644	1660	319	234	197
HSP15-500-18	1046	644	1690	319	234	199
HSP15-520-19	1076	644	1720	319	234	200
HSP15-550-20	1106	644	1750	319	234	201
HSP15-580-21	1136	644	1780	319	234	244
HSP15-610-22	1166	644	1810	319	234	248
HSP15-640-23	1196	644	1840	319	234	249
HSP15-670-24	1226	644	1870	319	234	250
HSP15-700-25	1256	644	1900	319	234	247

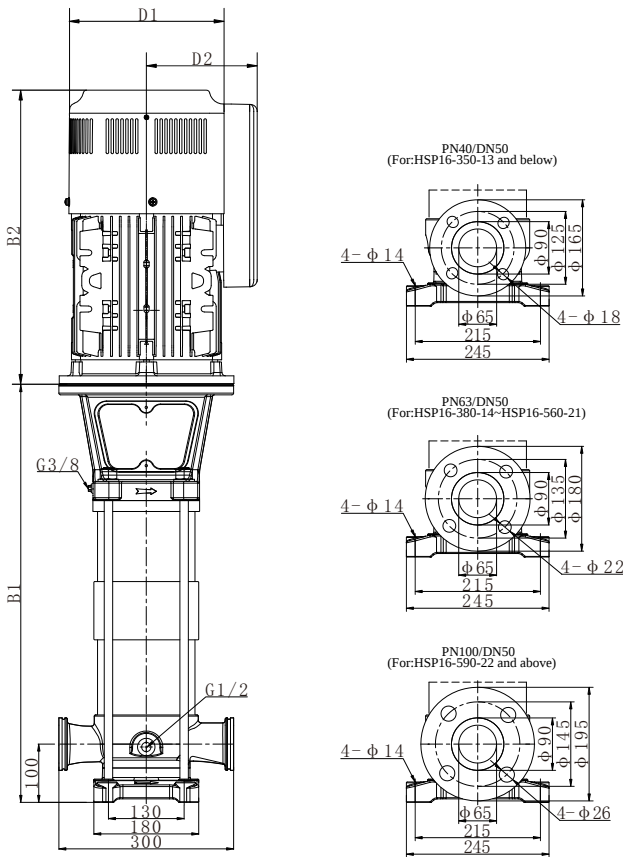
Performance data

Model	kW	Q (m³/h)	8	10	12	14	15	16	18	20	22	23	24
HSP15-310-11	22	H (m)	327	324	320	314	310	305	292	275	257	248	238
HSP15-335-12	22		353	350	346	339	335	329	315	297	277	267	256
HSP15-360-13	30		380	377	372	365	360	354	338	319	297	286	275
HSP15-390-14	30		412	408	403	395	390	384	367	346	323	311	299
HSP15-415-15	30		438	434	429	421	415	408	390	368	343	330	317
HSP15-445-16	30		470	466	460	451	445	438	419	395	368	355	341
HSP15-470-17	37		496	492	486	476	470	462	442	417	389	374	359
HSP15-500-18	37		528	524	517	507	500	492	471	444	414	399	383
HSP15-520-19	37		550	545	537	527	520	511	489	461	429	412	395
HSP15-550-20	37		581	576	568	557	550	541	518	488	454	437	419
HSP15-580-21	45		613	607	599	588	580	571	546	515	480	461	443
HSP15-610-22	45		644	639	630	618	610	600	575	542	505	486	466
HSP15-640-23	45		676	670	661	648	640	630	603	569	530	510	489
HSP15-670-24	45		708	701	692	679	670	659	632	596	556	534	513
HSP15-700-25	45		739	733	723	709	700	689	660	623	581	559	536

Performance curve



Installation dimension and weight

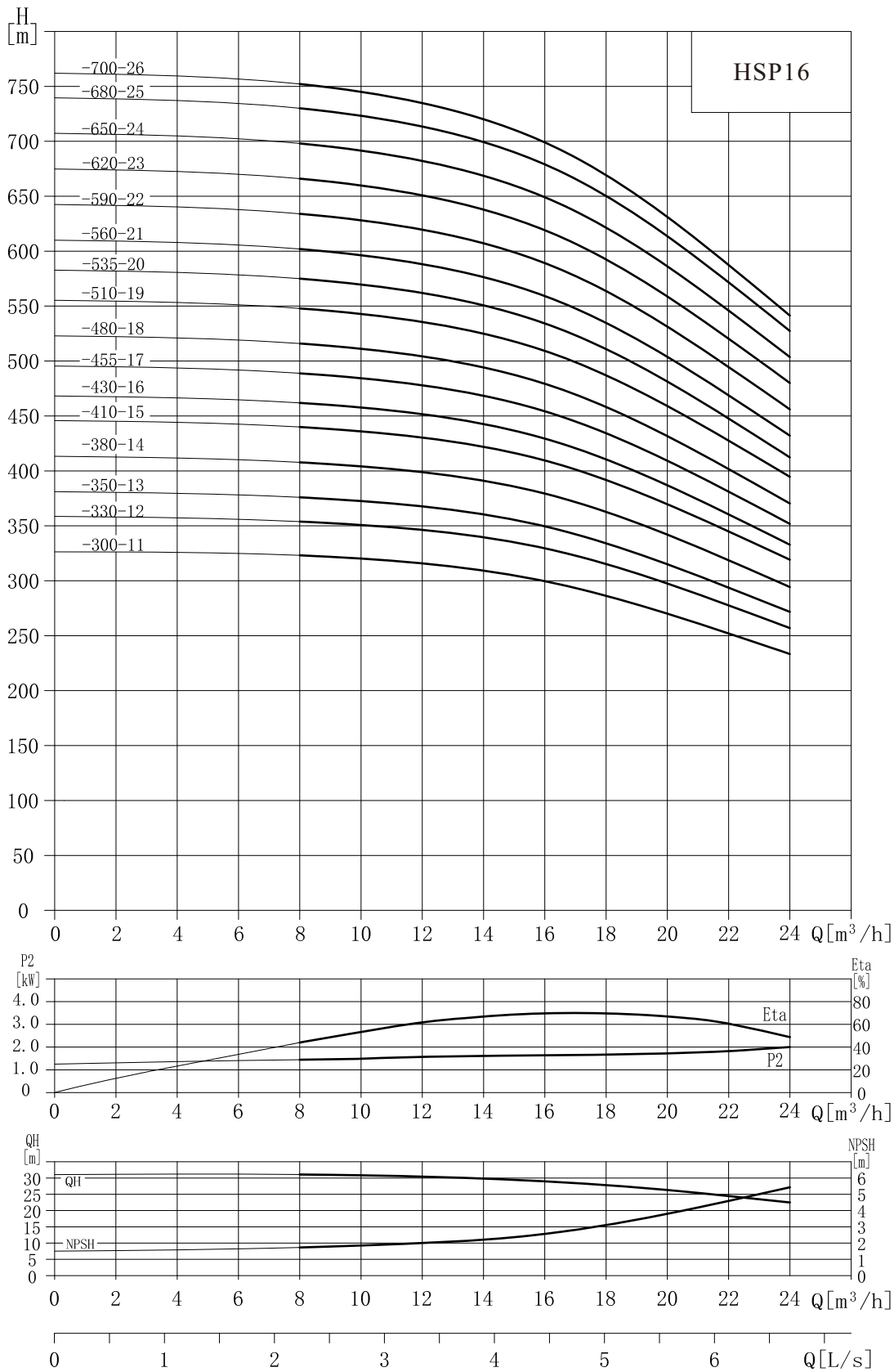


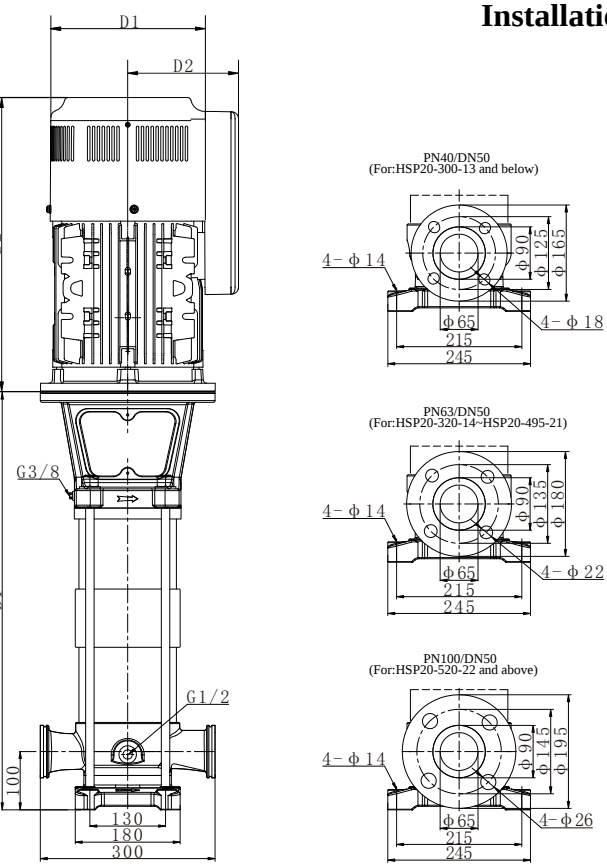
Model	Dimension (mm)					kg
	B1	B2	B1+B2	D1	D2	
HSP16-300-11	747	517	1264	260	172	110
HSP16-330-12	777	517	1294	260	172	111
HSP16-350-13	896	644	1540	319	234	179
HSP16-380-14	926	644	1570	319	234	183
HSP16-410-15	956	644	1600	319	234	184
HSP16-430-16	986	644	1630	319	234	185
HSP16-455-17	1016	644	1660	319	234	197
HSP16-480-18	1046	644	1690	319	234	199
HSP16-510-19	1076	644	1720	319	234	200
HSP16-535-20	1106	644	1750	319	234	201
HSP16-560-21	1136	644	1780	319	234	244
HSP16-590-22	1166	644	1810	319	234	248
HSP16-620-23	1196	644	1840	319	234	249
HSP16-650-24	1226	644	1870	319	234	250
HSP16-680-25	1256	644	1900	319	234	252
HSP16-700-26	1286	644	1930	319	234	271

Performance data

Model	kW	Q (m³/h)	8	10	12	14	15	16	18	20	22	23	24
HSP16-300-11	22	H (m)	323	320	316	309	305	300	286	270	252	243	233
HSP16-330-12	22		354	351	346	340	335	330	315	297	278	267	257
HSP16-350-13	30		376	373	368	360	356	350	334	315	294	281	272
HSP16-380-14	30		408	404	399	391	386	380	362	342	319	305	294
HSP16-410-15	30		440	436	430	423	416	410	391	370	345	330	319
HSP16-430-16	30		462	458	452	443	437	430	410	387	360	344	333
HSP16-455-17	37		489	484	478	468	462	455	433	409	381	364	352
HSP16-480-18	37		516	511	504	494	488	480	457	432	402	384	370
HSP16-510-19	37		548	543	536	525	518	510	486	459	428	408	395
HSP16-535-20	37		575	570	562	551	543	535	510	481	448	428	412
HSP16-560-21	45		602	596	588	576	569	560	533	504	469	448	432
HSP16-590-22	45		634	628	620	607	599	590	562	531	495	472	456
HSP16-620-23	45		666	660	651	638	629	620	591	559	520	497	480
HSP16-650-24	45		698	692	682	669	660	650	620	586	546	522	504
HSP16-680-25	45		730	723	713	699	690	680	648	614	572	546	527
HSP16-700-26	55		752	745	735	720	711	700	667	631	587	561	541

Performance curve





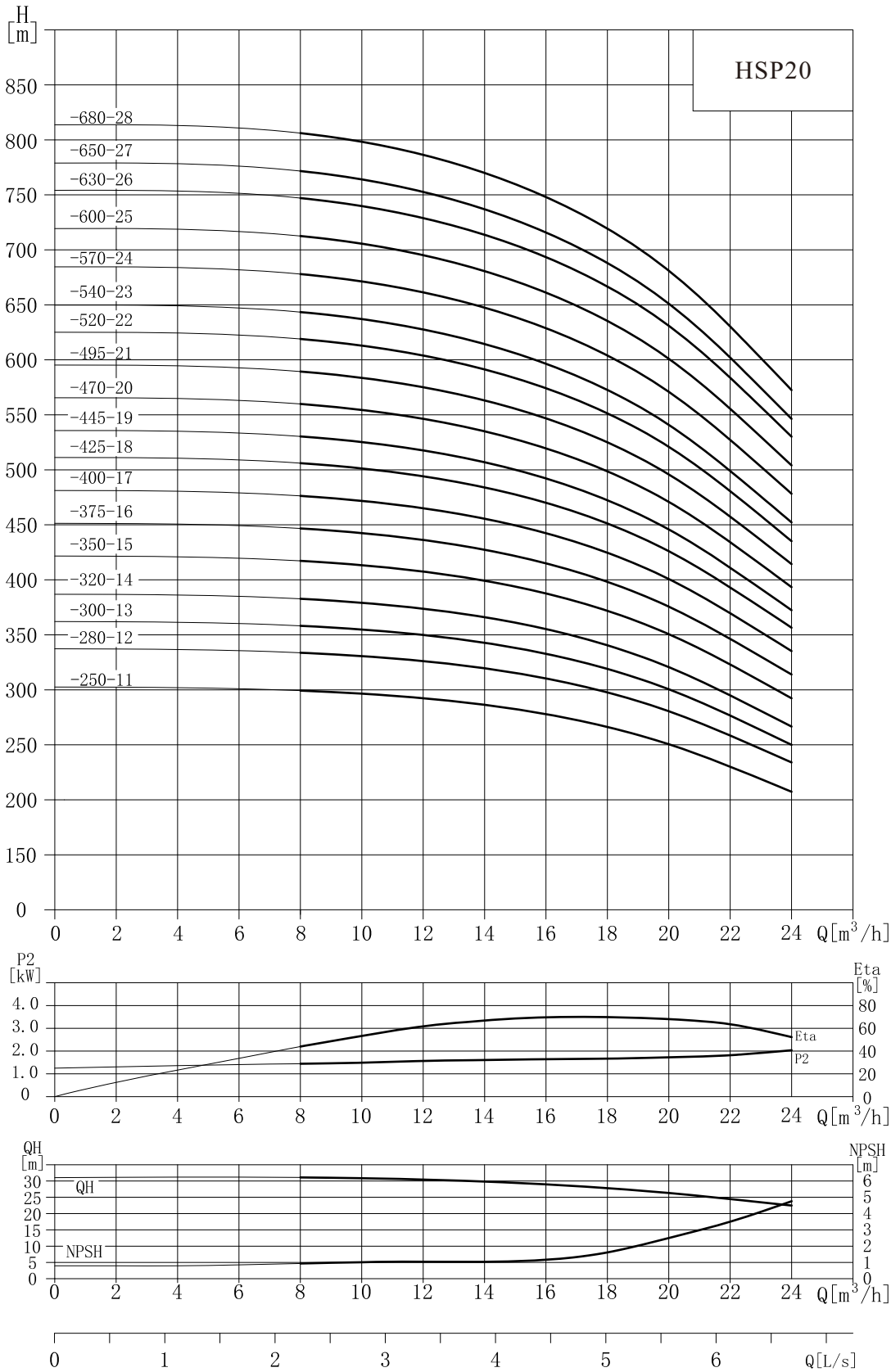
Installation dimension and weight

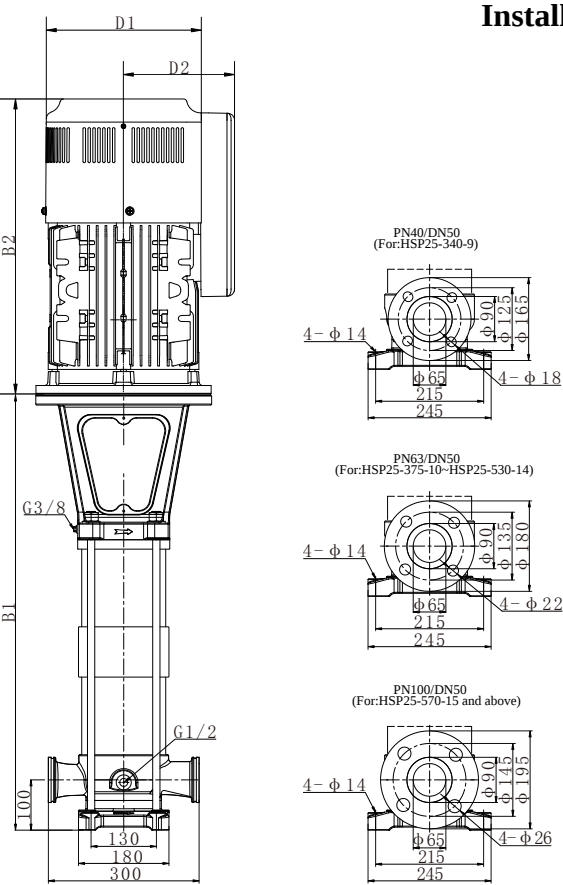
Model	Dimension (mm)					kg
	B1	B2	B1+B2	D1	D2	
HSP20-250-11	747	517	1264	260	172	101
HSP20-280-12	777	517	1294	260	172	111
HSP20-300-13	896	644	1540	319	234	179
HSP20-320-14	926	644	1570	319	234	183
HSP20-350-15	956	644	1600	319	234	184
HSP20-375-16	986	644	1630	319	234	185
HSP20-400-17	1016	644	1660	319	234	197
HSP20-425-18	1046	644	1690	319	234	199
HSP20-445-19	1076	644	1720	319	234	200
HSP20-470-20	1106	644	1750	319	234	201
HSP20-495-21	1136	644	1780	319	234	244
HSP20-520-22	1166	644	1810	319	234	247
HSP20-540-23	1196	644	1840	319	234	248
HSP20-570-24	1226	644	1870	319	234	249
HSP20-600-25	1256	644	1900	319	234	251
HSP20-630-26	1286	523	1809	311	235	270
HSP20-650-27	1316	523	1839	311	235	271
HSP20-680-28	1346	523	1869	311	235	272

Performance data

Model	kW	Q (m³/h)	8	10	12	14	15	16	18	20	22	23	24
HSP20-250-11	22	H (m)	299	296	292	287	283	276	266	250	230	219	207
HSP20-280-12	22		334	331	326	320	315	309	298	280	258	246	234
HSP20-300-13	30		358	355	350	343	338	331	319	300	277	263	250
HSP20-320-14	30		383	379	374	367	361	354	340	320	295	281	267
HSP20-350-15	30		417	413	408	400	394	386	372	350	323	308	292
HSP20-375-16	30		447	443	436	428	422	413	398	375	346	330	314
HSP20-400-17	37		476	472	465	457	450	441	425	400	370	352	335
HSP20-425-18	37		506	501	494	485	478	468	451	425	393	375	357
HSP20-445-19	37		530	525	518	509	500	490	472	445	411	392	372
HSP20-470-20	37		560	554	546	537	528	518	499	470	434	414	393
HSP20-495-21	45		589	584	575	565	555	545	525	495	457	436	414
HSP20-520-22	45		619	613	604	594	583	573	551	520	481	458	435
HSP20-540-23	45		643	637	628	617	606	595	573	540	499	476	452
HSP20-570-24	45		678	671	661	650	639	627	604	570	527	503	478
HSP20-600-25	45		713	706	685	684	672	660	635	600	555	530	504
HSP20-630-26	55		747	740	729	717	704	692	667	630	584	557	530
HSP20-650-27	55		772	764	753	740	727	715	688	650	602	574	546
HSP20-680-28	55		806	798	786	774	760	747	719	680	630	601	573

Performance curve





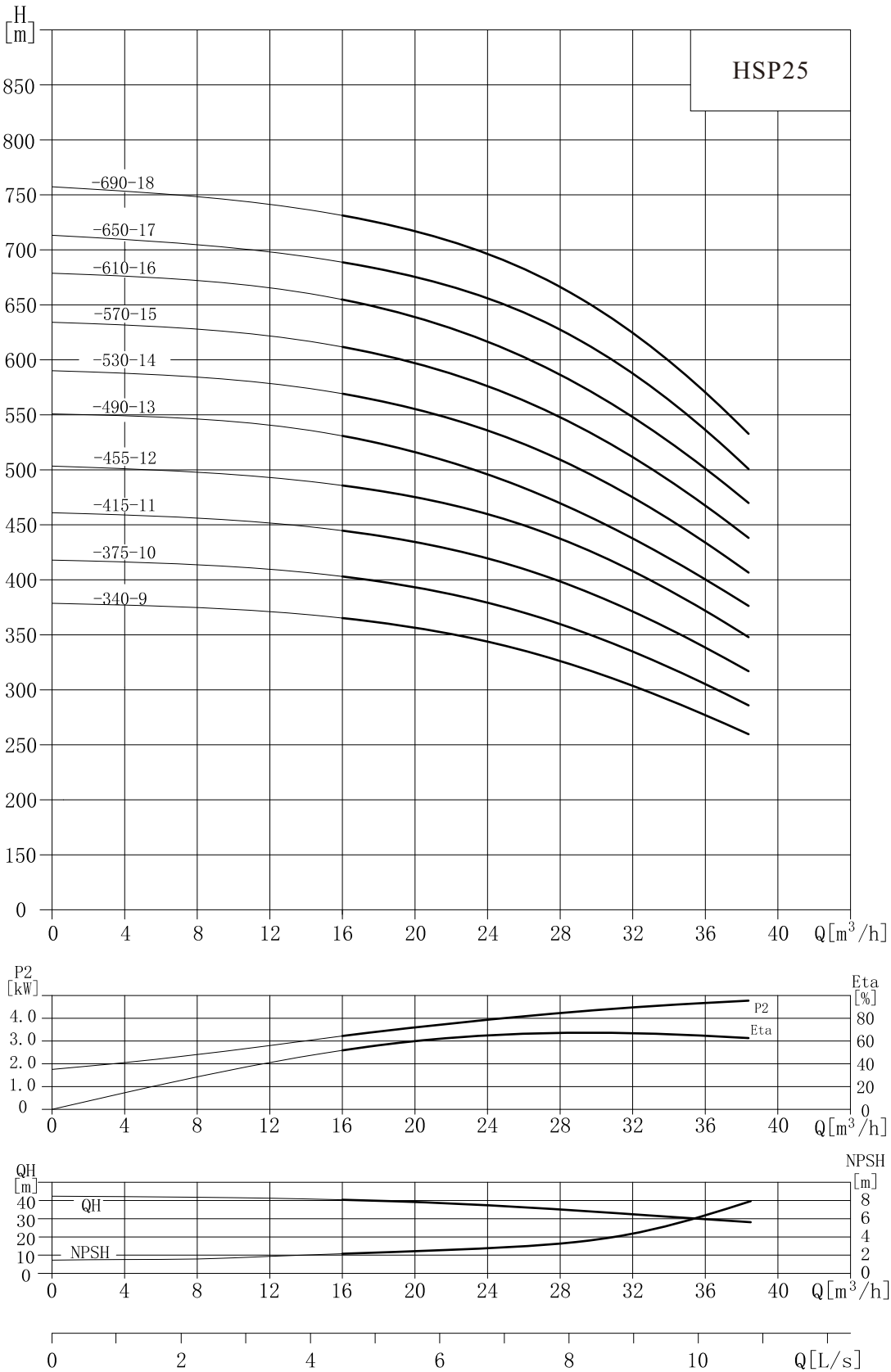
Installation dimension and weight

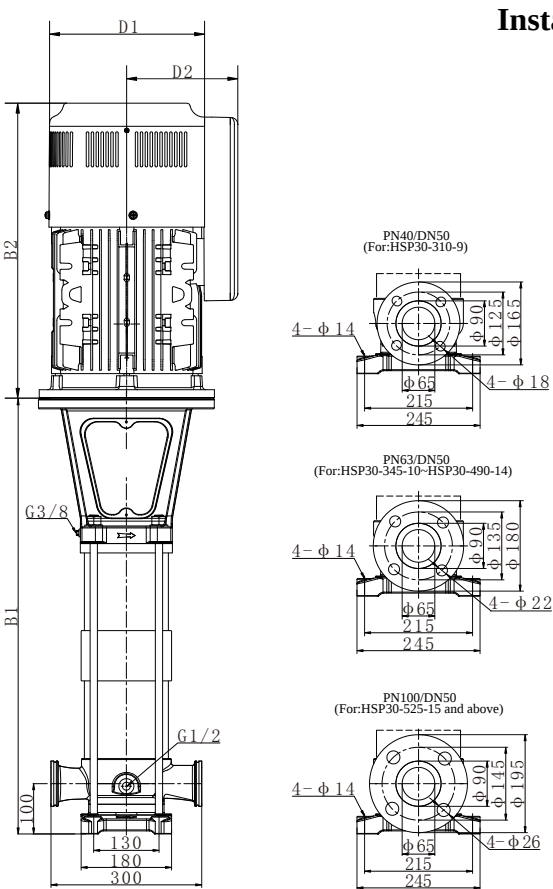
Model	Dimension (mm)					kg
	B1	B2	B1+B2	D1	D2	
HSP25-340-9	911	644	1555	319	234	229
HSP25-375-10	956	523	1479	311	235	251
HSP25-415-11	1001	523	1524	311	235	253
HSP25-455-12	1046	523	1569	311	235	289
HSP25-490-13	1091	523	1614	311	235	292
HSP25-530-14	1136	523	1659	311	235	295
HSP25-570-15	1181	523	1704	311	235	300
HSP25-610-16	1226	523	1749	311	235	326
HSP25-650-17	1271	523	1794	311	235	328
HSP25-690-18	1316	523	1839	311	235	330

Performance data

Model	kW	Q (m³/h)	16	20	25	28	30	32	36	38.5
HSP25-340-9	45	H (m)	365	356	340	326	312	304	277	260
HSP25-375-10	55		403	393	375	360	344	335	305	286
HSP25-415-11	55		445	434	415	399	381	371	338	317
HSP25-455-12	75		486	475	455	437	418	408	372	348
HSP25-490-13	75		531	516	490	470	449	438	400	376
HSP25-530-14	75		569	555	530	509	486	475	434	407
HSP25-570-15	75		612	597	570	548	523	511	467	438
HSP25-610-16	90		655	639	610	587	560	548	501	470
HSP25-650-17	90		689	675	650	627	597	588	536	501
HSP25-690-18	90		731	717	690	666	634	624	570	533

Performance curve





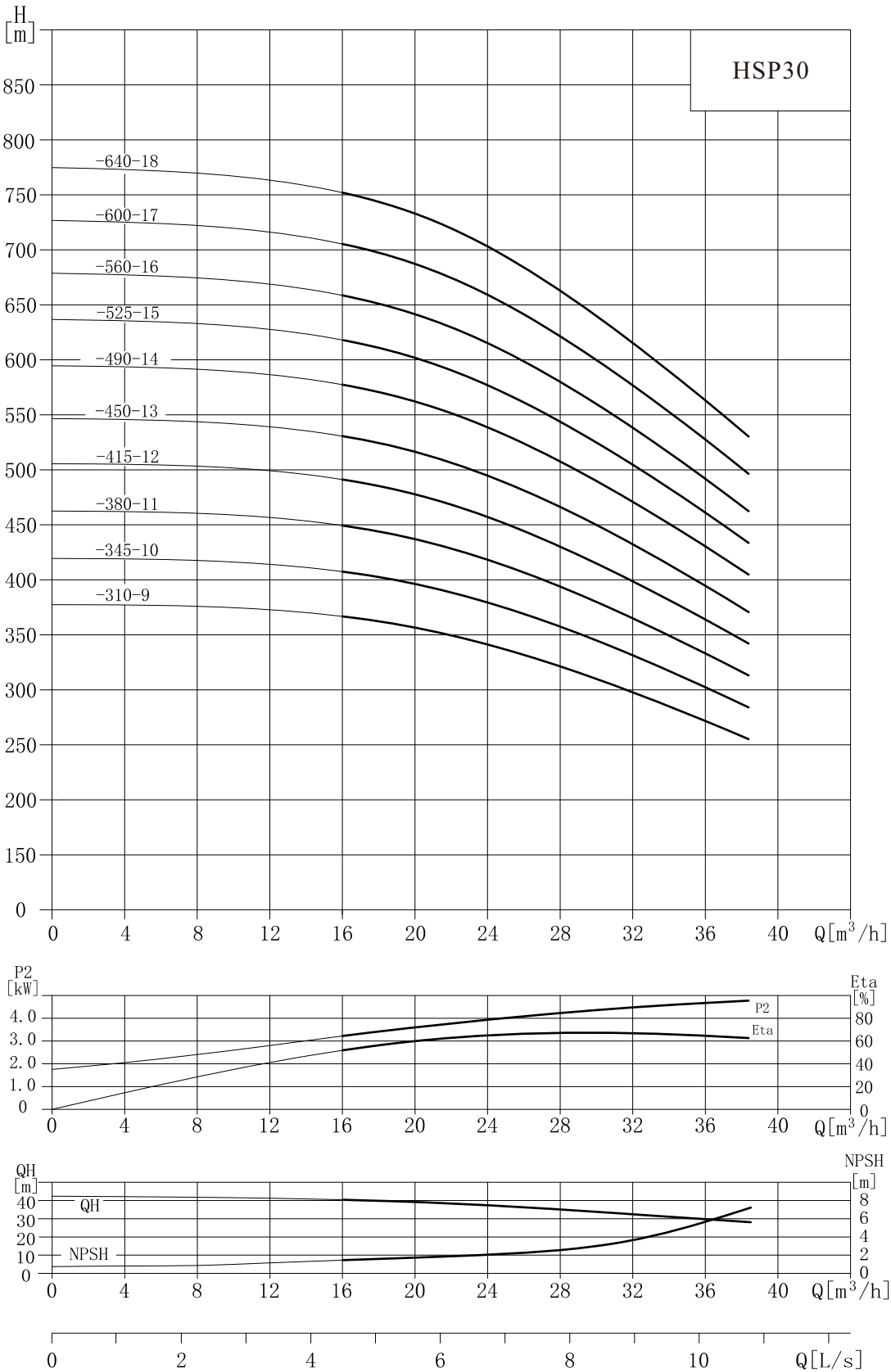
Installation dimension and weight

Model	Dimension (mm)					kg
	B1	B2	B1+B2	D1	D2	
HSP30-310-9	911	644	1555	319	234	224
HSP30-345-10	956	523	1479	311	235	246
HSP30-380-11	1001	523	1524	311	235	248
HSP30-415-12	1046	523	1569	311	235	284
HSP30-450-13	1091	523	1614	311	235	287
HSP30-490-14	1136	523	1659	311	235	290
HSP30-525-15	1181	523	1704	311	235	294
HSP30-560-16	1226	523	1749	311	235	321
HSP30-600-17	1271	523	1794	311	235	323
HSP30-640-18	1316	523	1839	311	235	325

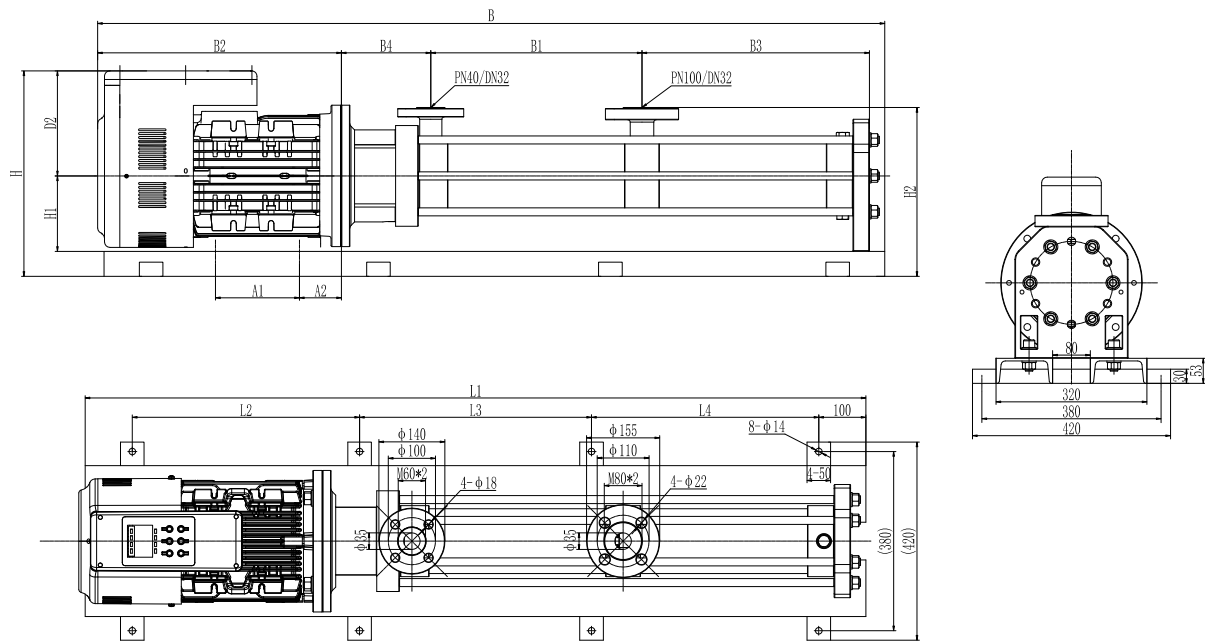
Performance data

Model	kW	Q (m³/h)	16	20	25	28	30	32	36	38.5
HSP30-310-9	45	H (m)	367	357	338	321	310	298	272	255
HSP30-345-10	55		407	396	376	357	345	331	302	284
HSP30-380-11	55		449	437	414	394	380	365	333	313
HSP30-415-12	75		491	478	453	430	415	399	364	342
HSP30-450-13	75		531	516	491	466	450	432	395	371
HSP30-490-14	75		577	562	534	508	490	471	430	405
HSP30-525-15	75		618	602	572	544	525	505	461	434
HSP30-560-16	90		659	642	610	580	560	538	492	462
HSP30-600-17	90		705	687	653	621	600	577	528	496
HSP30-640-18	90		752	733	696	663	640	615	563	530

Performance curve



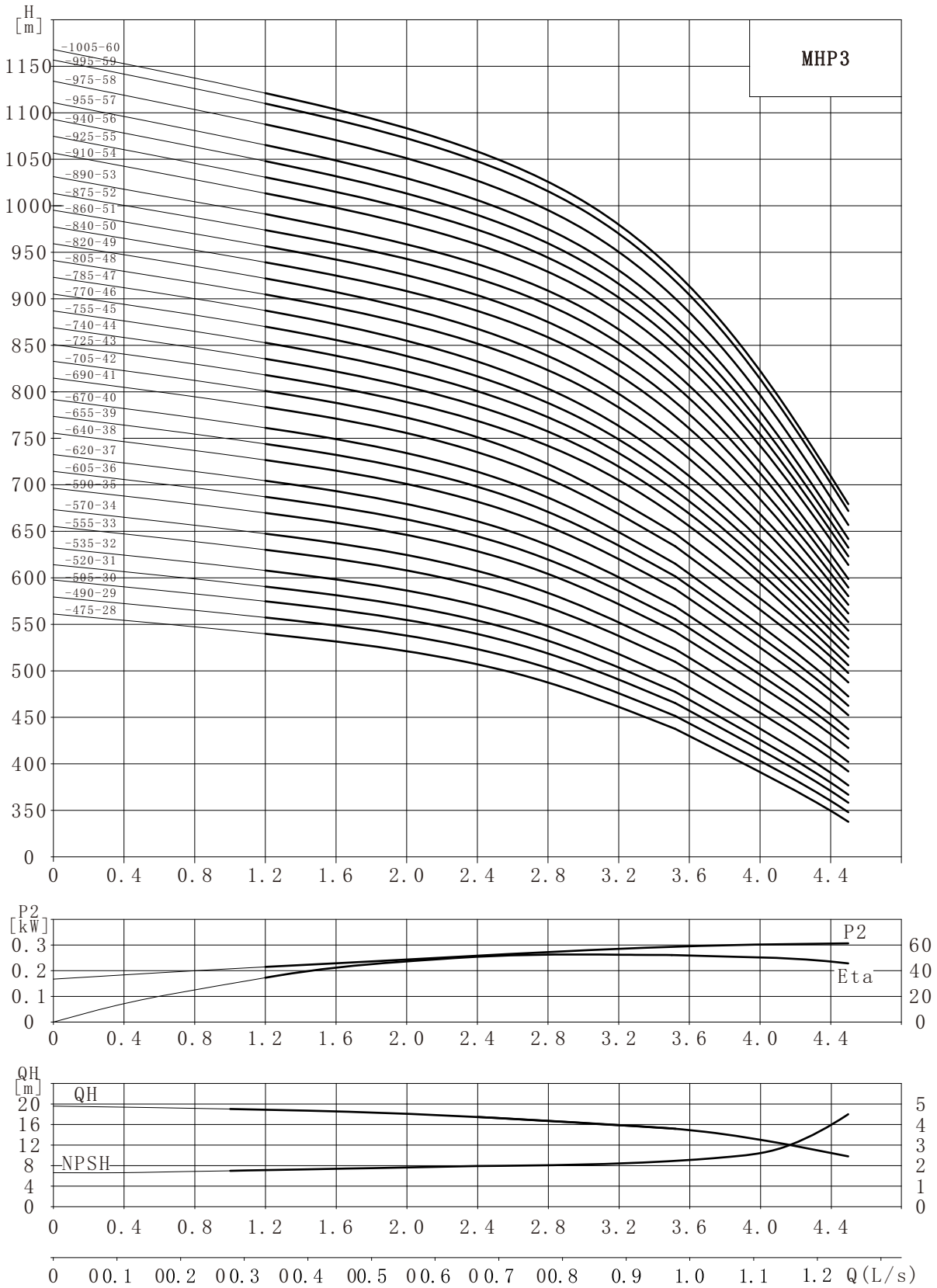
Installation drawing



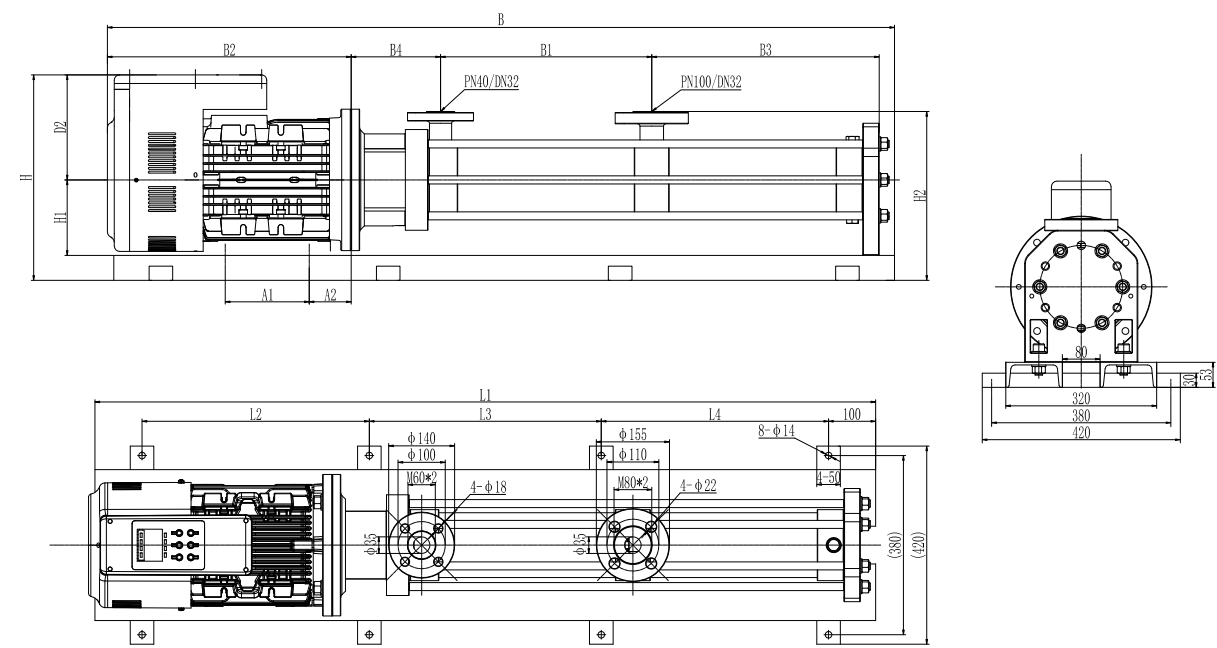
Installation dimension and weight

Model	Dimension (mm)															kg
	L1	L2	L3	L4	A1	A2	B	B1	B2	B3	B4	D2	H1	H	H2	
MHP3-475-28	1487	429	429	429	140	89	1489	358	517	392	189	172	160	385	358	169
MHP3-490-29	1505	435	435	435	140	89	1507	358	517	410	189	172	160	385	358	170
MHP3-505-30	1523	441	441	441	140	89	1525	376	517	410	189	172	160	385	358	171
MHP3-520-31	1541	447	447	447	140	89	1543	376	517	428	189	172	160	385	358	172
MHP3-535-32	1559	453	453	453	140	89	1561	394	517	428	189	172	160	385	358	173
MHP3-555-33	1577	459	459	459	140	89	1579	394	517	446	189	172	160	385	358	174
MHP3-570-34	1595	465	465	465	140	89	1597	412	517	446	189	172	160	385	358	175
MHP3-590-35	1613	471	471	471	140	89	1615	412	517	464	189	172	160	385	358	176
MHP3-605-36	1631	477	477	477	140	89	1633	430	517	464	189	172	160	385	358	177
MHP3-620-37	1649	483	483	483	140	89	1651	430	517	482	189	172	160	385	358	179
MHP3-640-38	1667	489	489	489	140	89	1669	448	517	482	189	172	160	385	358	180
MHP3-655-39	1685	495	495	495	140	89	1687	448	517	500	189	172	160	385	358	181
MHP3-670-40	1703	501	501	501	140	89	1705	466	517	500	189	172	160	385	358	182
MHP3-690-41	1721	507	507	507	140	89	1723	466	517	518	189	172	160	385	358	188
MHP3-705-42	1739	513	513	513	140	89	1741	484	517	518	189	172	160	385	358	189
MHP3-725-43	1757	519	519	519	140	89	1759	484	517	536	189	172	160	385	358	190
MHP3-740-44	1775	525	525	525	140	89	1777	502	517	536	189	172	160	385	358	191
MHP3-755-45	1793	531	531	531	140	89	1795	502	517	554	189	172	160	385	358	192
MHP3-770-46	1811	537	537	537	140	89	1813	520	517	554	189	172	160	385	358	193
MHP3-785-47	1829	543	543	543	140	89	1831	520	517	572	189	172	160	385	358	195
MHP3-805-48	1847	549	549	549	140	89	1849	538	517	572	189	172	160	385	358	196
MHP3-820-49	1865	555	555	555	140	89	1867	538	517	590	189	172	160	385	358	197
MHP3-840-50	1883	561	561	561	140	89	1885	556	517	590	189	172	160	385	358	198
MHP3-860-51	1901	567	567	567	140	89	1903	556	517	608	189	172	160	385	358	199
MHP3-875-52	1919	573	573	573	140	89	1921	574	517	608	189	172	160	385	358	200
MHP3-890-53	1937	579	579	579	140	89	1939	574	517	626	189	172	160	385	358	201
MHP3-910-54	1955	585	585	585	140	89	1957	592	517	626	189	172	160	385	358	202
MHP3-925-55	1973	591	591	591	140	89	1975	592	517	644	189	172	160	385	358	213
MHP3-940-56	1991	597	597	597	140	89	1993	610	517	644	189	172	160	385	358	215
MHP3-955-57	2009	603	603	603	140	89	2011	610	517	662	189	172	160	385	358	216
MHP3-975-58	2027	609	609	609	140	89	2029	628	517	662	189	172	160	385	358	217
MHP3-995-59	2045	615	615	615	140	89	2047	628	517	680	189	172	160	385	358	218
MHP3-1005-60	2063	621	621	621	140	89	2065	646	517	680	189	172	160	385	358	219

Performance curve



Installation drawing



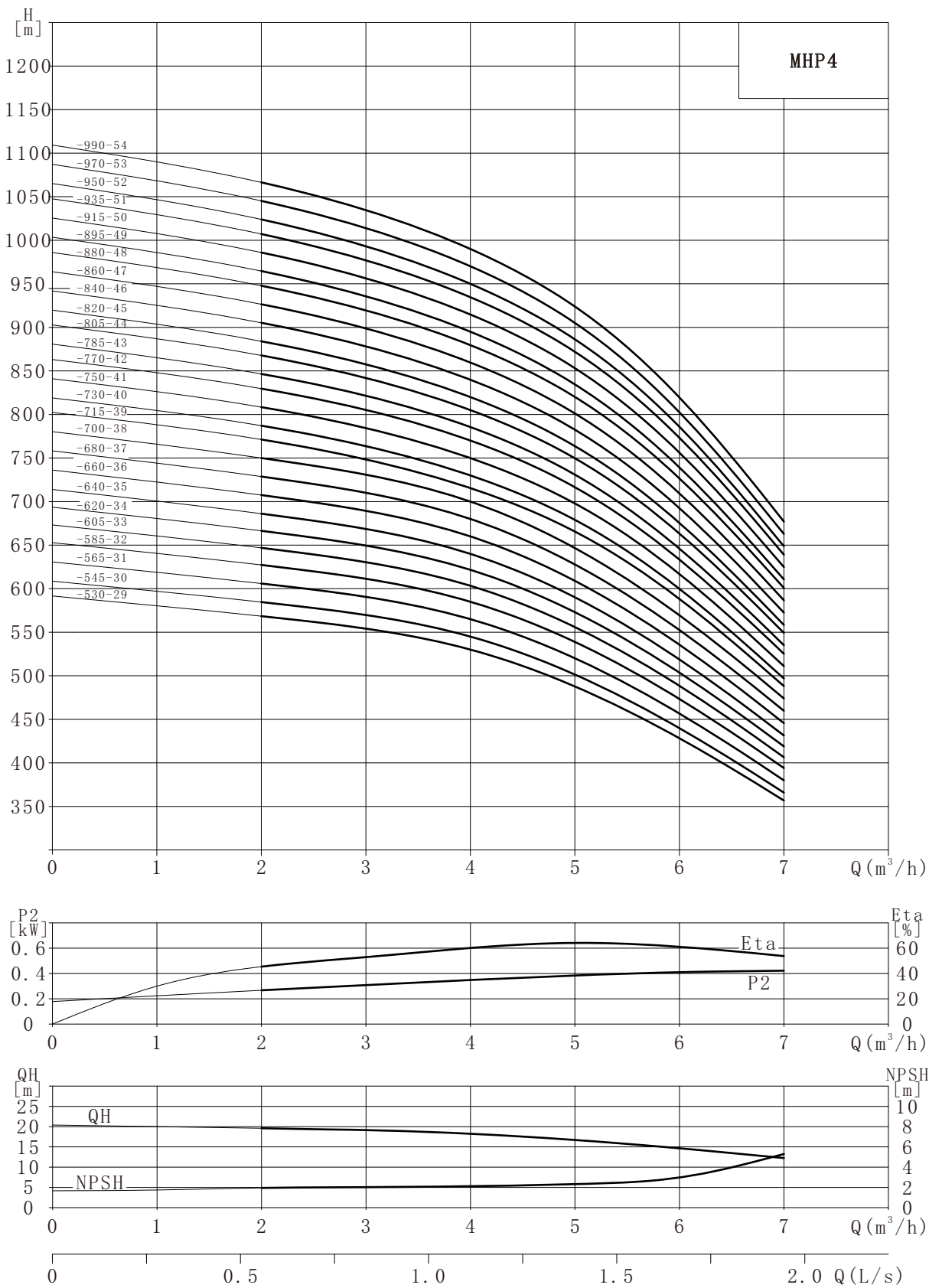
Performance data

Model	kW	Q (m³/h)	2	3	4	5	6	7
MHP4-530-29	15	H (m)	568	554	530	488	428	357
MHP4-545-30	15		585	570	545	510	440	366
MHP4-565-31	15		606	591	565	520	457	380
MHP4-585-32	15		627	611	585	539	573	394
MHP4-605-33	15		647	630	605	556	488	406
MHP4-620-34	15		666	649	620	573	504	419
MHP4-640-35	15		686	669	640	590	519	431
MHP4-660-36	15		707	689	660	609	536	446
MHP4-680-37	15		729	710	680	628	553	460
MHP4-700-38	15		750	731	700	647	569	474
MHP4-715-39	18.5		771	748	715	666	588	488
MHP4-730-40	18.5		788	764	730	679	600	497
MHP4-750-41	18.5		809	785	750	698	617	511
MHP4-770-42	18.5		830	806	770	717	634	526
MHP4-785-43	18.5		846	821	785	730	645	534
MHP4-805-44	18.5		868	842	805	750	664	550
MHP4-820-45	22		884	858	820	764	649	559
MHP4-840-46	22		905	878	840	782	692	572
MHP4-860-47	22		927	899	860	801	710	587
MHP4-880-48	22		948	920	880	821	727	601
MHP4-895-49	22		965	936	895	834	739	611
MHP4-915-50	22		986	956	915	853	686	625
MHP4-935-51	22		1007	977	935	872	773	639
MHP4-950-52	22		1024	994	950	887	786	649
MHP4-970-53	30		1045	1013	970	905	802	662
MHP4-990-54	30		1067	1035	990	924	820	677

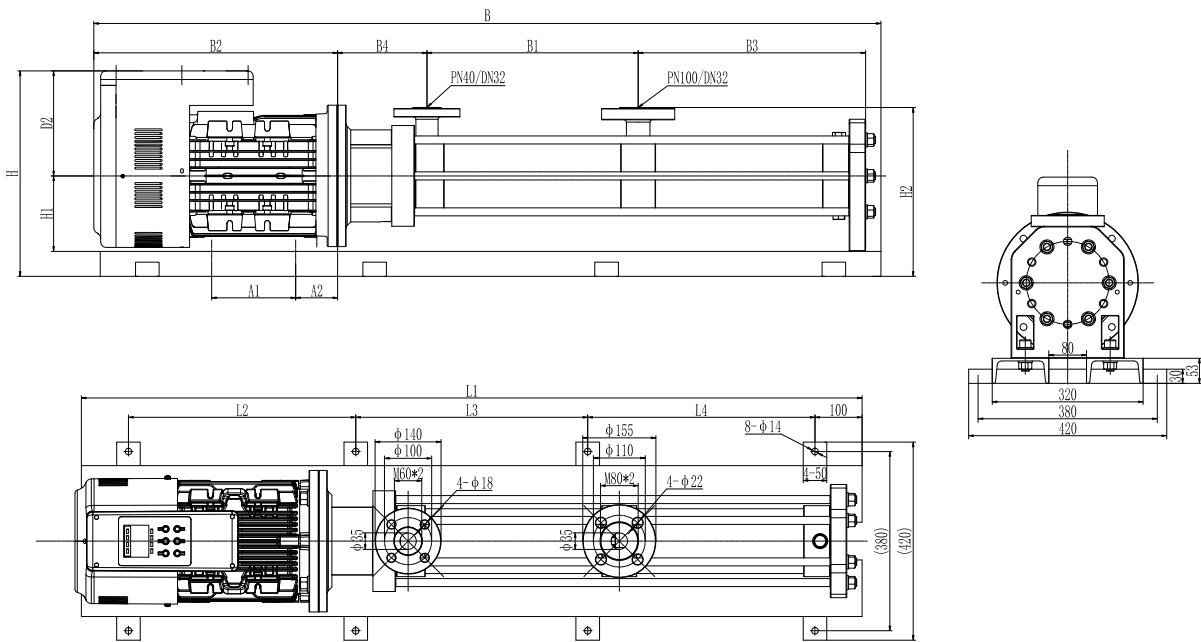
Installation dimension and weight

Model	Dimension (mm)															kg
	L1	L2	L3	L4	A1	A2	B	B1	B2	B3	B4	D2	H1	H	H2	
MHP4-530-29	1505	435	435	435	140	89	1507	358	517	410	189	172	160	385	358	175
MHP4-545-30	1523	441	441	441	140	89	1525	376	517	410	189	172	160	385	358	176
MHP4-565-31	1541	447	447	447	140	89	1543	376	517	428	189	172	160	385	358	177
MHP4-585-32	1559	453	453	453	140	89	1561	394	517	428	189	172	160	385	358	178
MHP4-605-33	1577	459	459	459	140	89	1579	394	517	446	189	172	160	385	358	179
MHP4-620-34	1595	465	465	465	140	89	1597	412	517	446	189	172	160	385	358	180
MHP4-640-35	1613	471	471	471	140	89	1615	412	517	464	189	172	160	385	358	181
MHP4-660-36	1631	477	477	477	140	89	1633	430	517	464	189	172	160	385	358	182
MHP4-680-37	1649	483	483	483	140	89	1651	430	517	482	189	172	160	385	358	184
MHP4-700-38	1667	489	489	489	140	89	1669	448	517	482	189	172	160	385	358	185
MHP4-715-39	1685	495	495	495	140	89	1687	448	517	500	189	172	160	385	358	196
MHP4-730-40	1703	501	501	501	140	89	1705	466	517	500	189	172	160	385	358	197
MHP4-750-41	1721	507	507	507	140	89	1723	466	517	518	189	172	160	385	358	198
MHP4-770-42	1739	513	513	513	140	89	1741	484	517	518	189	172	160	385	358	199
MHP4-785-43	1757	519	519	519	140	89	1759	484	517	536	189	172	160	385	358	200
MHP4-805-44	1775	525	525	525	140	89	1777	502	517	536	189	172	160	385	358	201
MHP4-820-45	1793	531	531	531	140	89	1795	502	517	554	189	172	160	385	358	207
MHP4-840-46	1811	537	537	537	140	89	1813	520	517	554	189	172	160	385	358	208
MHP4-860-47	1829	543	543	543	140	89	1831	520	517	572	189	172	160	385	358	210
MHP4-880-48	1847	549	549	549	140	89	1849	538	517	572	189	172	160	385	358	211
MHP4-895-49	1865	555	555	555	140	89	1867	538	517	590	189	172	160	385	358	212
MHP4-915-50	1883	561	561	561	140	89	1885	556	517	590	189	172	160	385	358	213
MHP4-935-51	1901	567	567	567	140	89	1903	556	517	608	189	172	160	385	358	214
MHP4-950-52	1919	573	573	573	140	89	1921	574	517	608	189	172	160	385	358	215
MHP4-970-53	2093	631	631	631	210	108	2096	574	643	626	219	234	180	467	378	286
MHP4-990-54	2111	637	637	637	210	108	2114	592	643	626	219	234	180	467	378	287

Performance curve



Installation drawing



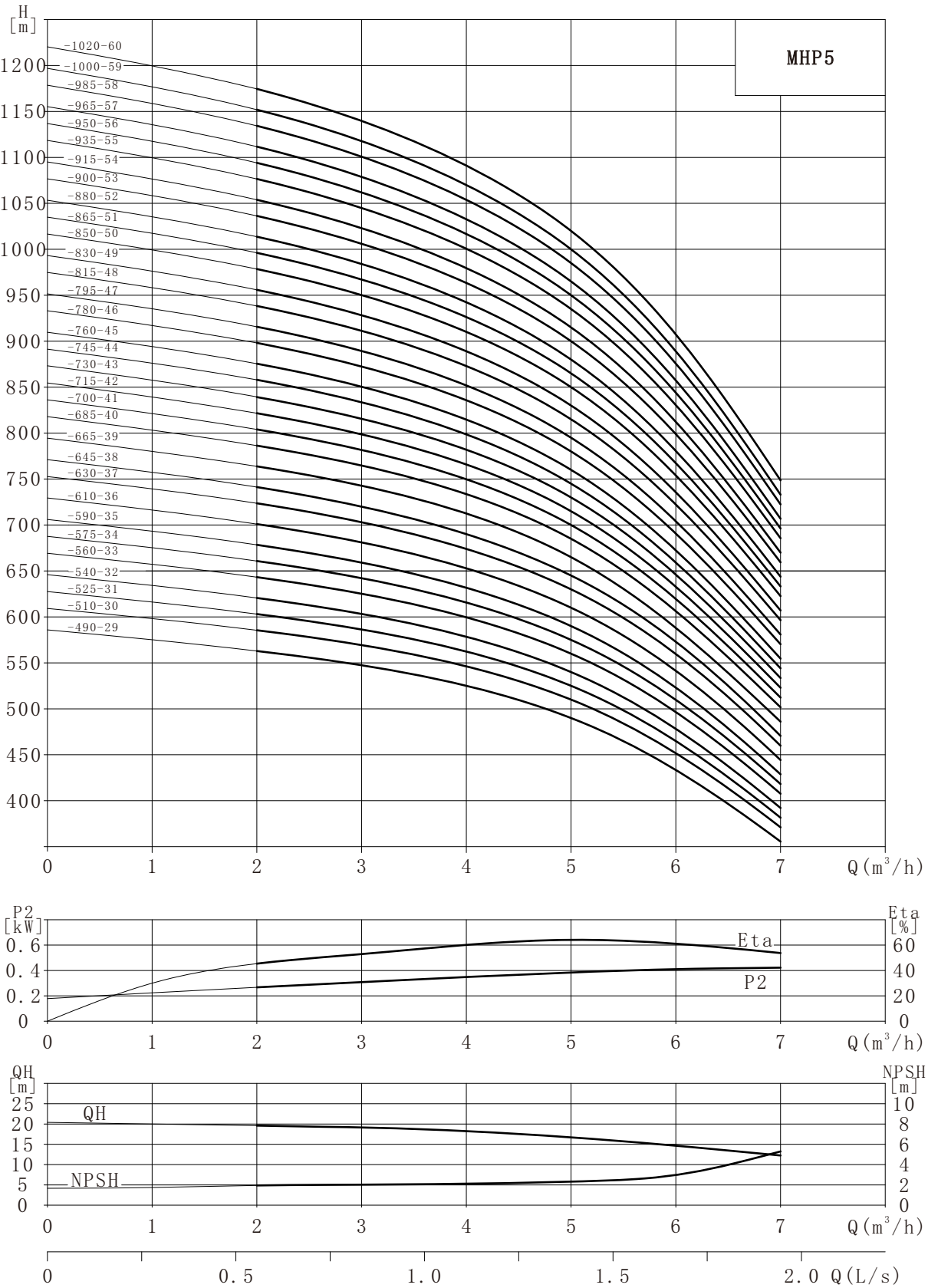
Performance data

Model	kW	Q (m³/h)	2	3	4	5	6	7
MHP5-490-29	15	H (m)	562	547	525	490	433	356
MHP5-510-30	15		586	569	546	510	452	371
MHP5-525-31	15		603	586	562	525	465	382
MHP5-540-32	15		621	603	578	540	478	392
MHP5-560-33	15		643	625	599	560	496	408
MHP5-575-34	15		661	642	616	575	510	418
MHP5-590-35	15		678	659	632	590	523	429
MHP5-610-36	15		701	681	653	610	541	444
MHP5-630-37	15		724	703	674	630	560	460
MHP5-645-38	15		741	720	690	645	573	471
MHP5-665-39	18.5		764	743	713	665	588	486
MHP5-685-40	18.5		786	765	734	685	606	502
MHP5-700-41	18.5		804	782	750	700	620	512
MHP5-715-42	18.5		822	799	766	715	633	523
MHP5-730-43	18.5		839	816	782	730	646	534
MHP5-745-44	18.5		858	834	799	745	659	544
MHP5-760-45	22		876	851	815	760	672	555
MHP5-780-46	22		898	872	836	780	690	570
MHP5-795-47	22		915	889	852	795	704	581
MHP5-815-48	22		938	911	873	815	722	596
MHP5-830-49	22		956	928	889	830	736	607
MHP5-850-50	22		979	950	910	850	754	623
MHP5-865-51	22		996	967	926	865	767	633
MHP5-880-52	22		1014	984	942	880	781	644
MHP5-900-53	30		1036	1006	963	900	799	659
MHP5-915-54	30		1054	1023	980	915	812	670
MHP5-935-55	30		1077	1045	1001	935	831	686
MHP5-950-56	30		1094	1062	1017	950	844	696
MHP5-965-57	30		1112	1079	1033	965	857	707
MHP5-985-58	30		1134	1101	1054	985	876	722
MHP5-1000-59	30		1152	1118	1070	1000	889	733
MHP5-1020-60	30		1175	1140	1091	1020	907	749

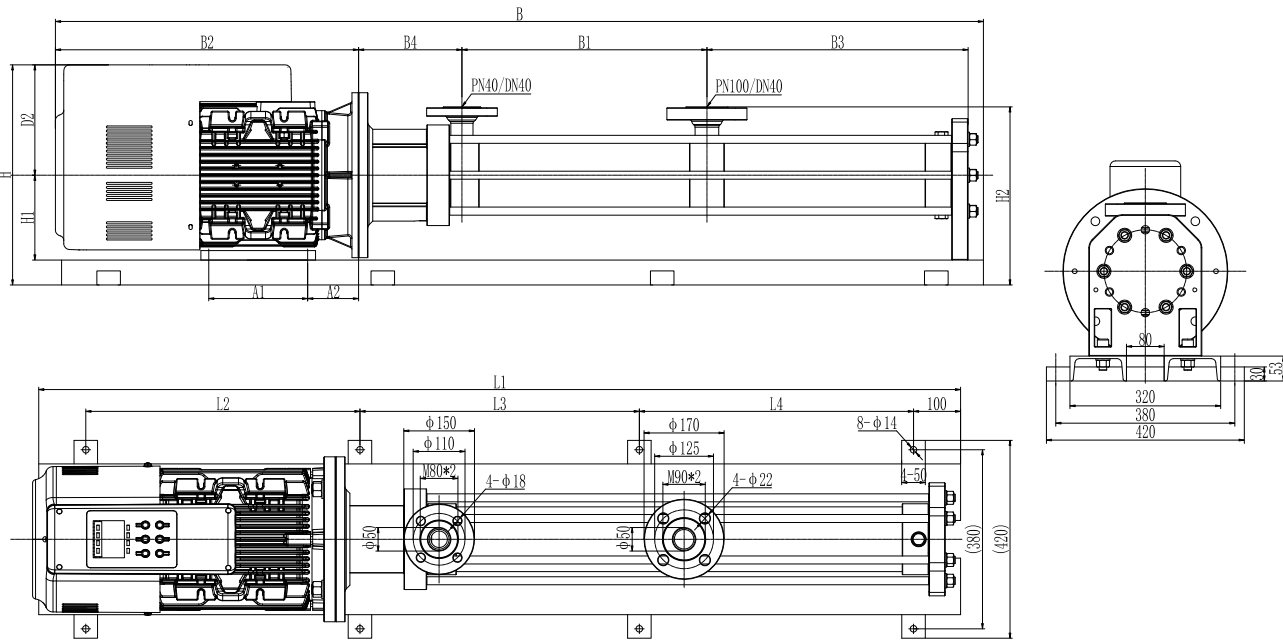
Installation dimension and weight

Model	Dimension (mm)															kg
	L1	L2	L3	L4	A1	A2	B	B1	B2	B3	B4	D2	H1	H	H2	
MHP5-490-29	1505	435	435	435	140	89	1507	358	517	410	189	172	160	385	358	172
MHP5-510-30	1523	441	441	441	140	89	1525	376	517	410	189	172	160	385	358	173
MHP5-525-31	1541	447	447	447	140	89	1543	376	517	428	189	172	160	385	358	174
MHP5-540-32	1559	453	453	453	140	89	1561	394	517	428	189	172	160	385	358	175
MHP5-560-33	1577	459	459	459	140	89	1579	394	517	446	189	172	160	385	358	176
MHP5-575-34	1595	465	465	465	140	89	1597	412	517	446	189	172	160	385	358	177
MHP5-590-35	1613	471	471	471	140	89	1615	412	517	464	189	172	160	385	358	178
MHP5-610-36	1631	477	477	477	140	89	1633	430	517	464	189	172	160	385	358	179
MHP5-630-37	1649	483	483	483	140	89	1651	430	517	482	189	172	160	385	358	181
MHP5-645-38	1667	489	489	489	140	89	1669	448	517	482	189	172	160	385	358	182
MHP5-665-39	1685	495	495	495	140	89	1687	448	517	500	189	172	160	385	358	193
MHP5-685-40	1703	501	501	501	140	89	1705	466	517	500	189	172	160	385	358	194
MHP5-700-41	1721	507	507	507	140	89	1723	466	517	518	189	172	160	385	358	195
MHP5-715-42	1739	513	513	513	140	89	1741	484	517	518	189	172	160	385	358	196
MHP5-730-43	1757	519	519	519	140	89	1759	484	517	536	189	172	160	385	358	197
MHP5-745-44	1775	525	525	525	140	89	1777	502	517	536	189	172	160	385	358	198
MHP5-760-45	1793	531	531	531	140	89	1795	502	517	554	189	172	160	385	358	204
MHP5-780-46	1811	537	537	537	140	89	1813	520	517	554	189	172	160	385	358	205
MHP5-795-47	1829	543	543	543	140	89	1831	520	517	572	189	172	160	385	358	207
MHP5-815-48	1847	549	549	549	140	89	1849	538	517	572	189	172	160	385	358	208
MHP5-830-49	1865	555	555	555	140	89	1867	538	517	590	189	172	160	385	358	209
MHP5-850-50	1883	561	561	561	140	89	1885	556	517	590	189	172	160	385	358	210
MHP5-865-51	1901	567	567	567	140	89	1903	556	517	608	189	172	160	385	358	211
MHP5-880-52	1919	573	573	573	140	89	1921	574	517	608	189	172	160	385	358	212
MHP5-900-53	2093	631	631	631	210	108	2096	574	643	626	219	234	180	467	378	286
MHP5-915-54	2111	637	637	637	210	108	2114	592	643	626	219	234	180	467	378	287
MHP5-935-55	2129	643	643	643	210	108	2132	592	643	644	219	234	180	467	378	288
MHP5-950-56	2147	649	649	649	210	108	2150	610	643	644	219	234	180	467	378	289
MHP5-965-57	2165	655	655	655	210	108	2168	610	643	662	219	234	180	467	378	290
MHP5-985-58	2183	661	661	661	210	108	2186	628	643	662	219	234	180	467	378	291
MHP5-1000-59	2201	667	667	667	210	108	2204	628	643	680	219	234	180	467	378	292
MHP5-1020-60	2219	673	673	673	210	108	2222	646	643	680	219	234	180	467	378	293

Performance curve



Installation drawing



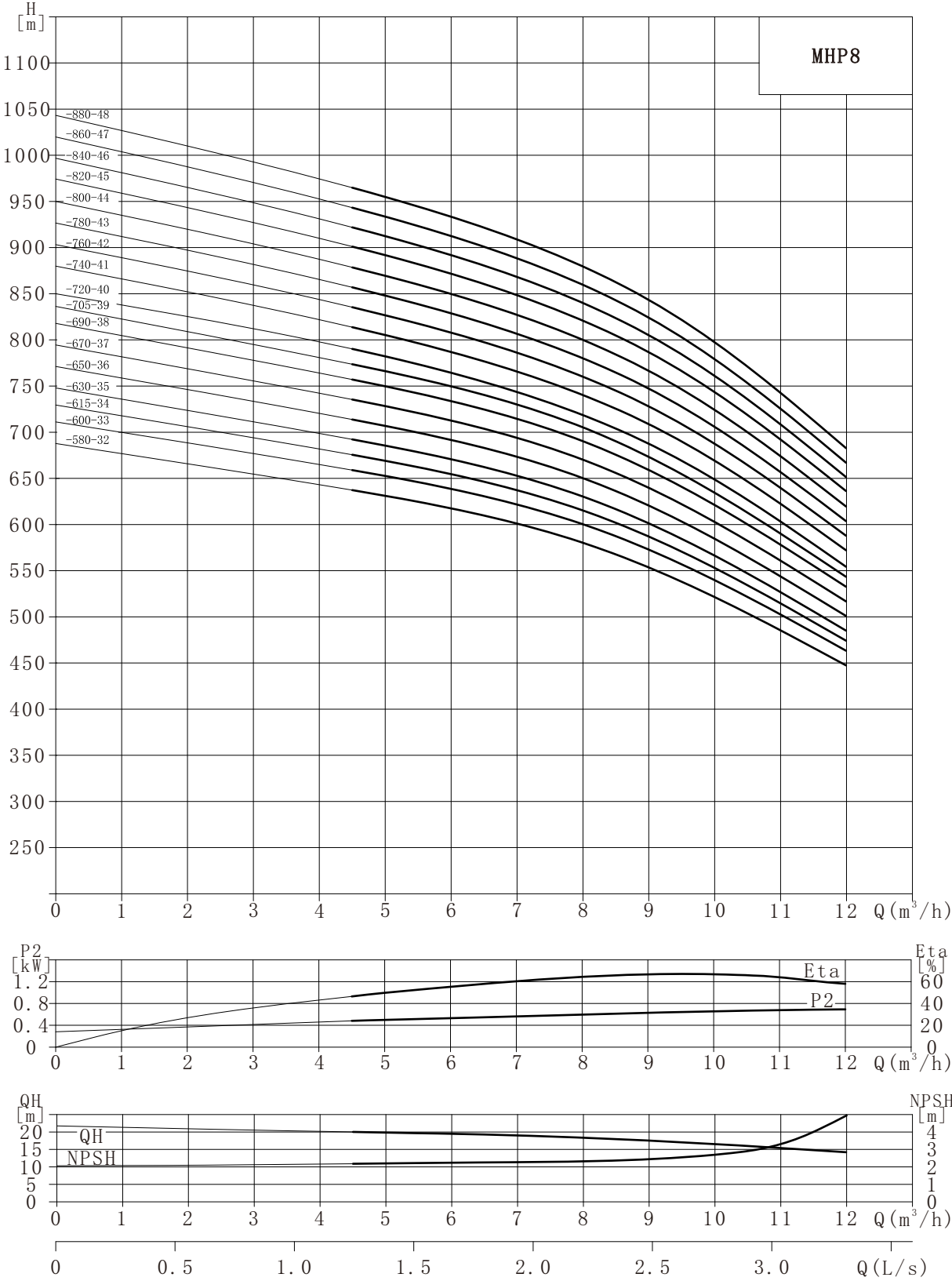
Performance data

Model	kW	Q (m³/h)	4.5	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0
MHP8-580-32	30	H (m)	637	631	617	600	580	553	521	485	447
MHP8-600-33	30		659	653	639	622	600	573	540	502	463
MHP8-615-34	30		676	669	655	637	615	587	553	515	474
MHP8-630-35	30		692	686	671	653	630	601	566	527	485
MHP8-650-36	30		714	707	692	673	650	621	584	544	501
MHP8-670-37	30		735	728	713	694	670	640	603	561	517
MHP8-690-38	30		757	750	734	714	690	659	621	578	533
MHP8-705-39	30		774	766	750	730	705	673	634	590	543
MHP8-720-40	37		791	783	765	745	720	688	650	604	555
MHP8-740-41	37		814	805	787	766	740	709	669	622	572
MHP8-760-42	37		835	827	808	786	760	728	687	640	588
MHP8-780-43	37		857	848	829	807	780	747	706	657	604
MHP8-800-44	37		879	869	850	827	800	766	724	674	620
MHP8-820-45	37		901	892	872	848	820	787	743	692	636
MHP8-840-46	37		922	912	892	868	840	806	761	708	651
MHP8-860-47	37		943	934	912	888	860	824	779	725	667
MHP8-880-48	37		965	955	933	909	880	843	797	742	683

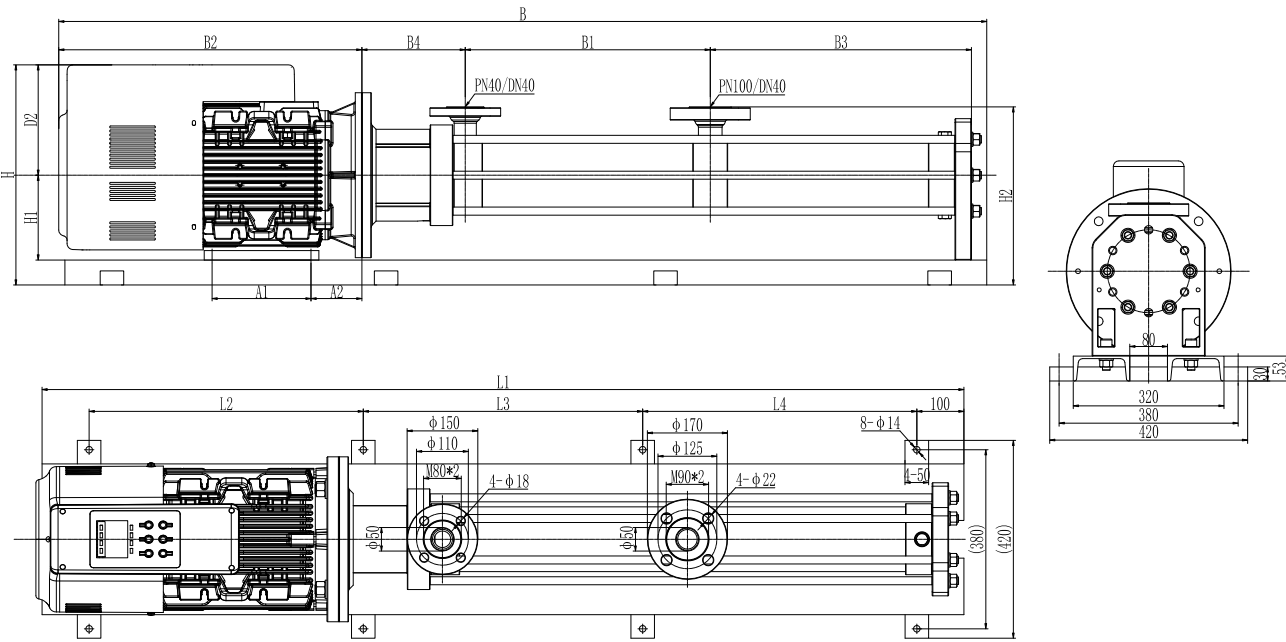
Installation dimension and weight

Model	Dimension (mm)															kg
	L1	L2	L3	L4	A1	A2	B	B1	B2	B3	B4	D2	H1	H	H2	
MHP8-580-32	2003	601	601	601	210	108	2024	547	643	581	219	234	180	467	378	281
MHP8-600-33	2030	610	610	610	210	108	2051	547	643	608	219	234	180	467	378	282
MHP8-615-34	2057	619	619	619	210	108	2078	574	643	608	219	234	180	467	378	284
MHP8-630-35	2084	628	628	628	210	108	2105	574	643	635	219	234	180	467	378	285
MHP8-650-36	2111	637	637	637	210	108	2132	601	643	635	219	234	180	467	378	287
MHP8-670-37	2138	646	646	646	210	108	2159	601	643	662	219	234	180	467	378	289
MHP8-690-38	2165	655	655	655	210	108	2186	628	643	662	219	234	180	467	378	290
MHP8-705-39	2192	664	664	664	210	108	2213	628	643	689	219	234	180	467	378	292
MHP8-720-40	2219	673	673	673	210	108	2240	655	643	689	219	234	180	467	378	303
MHP8-740-41	2246	682	682	682	210	108	2267	655	643	716	219	234	180	467	378	305
MHP8-760-42	2273	691	691	691	210	108	2294	682	643	716	219	234	180	467	378	307
MHP8-780-43	2300	700	700	700	210	108	2321	682	643	743	219	234	180	467	378	308
MHP8-800-44	2327	709	709	709	210	108	2348	709	643	743	219	234	180	467	378	310
MHP8-820-45	2354	718	718	718	210	108	2375	709	643	770	219	234	180	467	378	311
MHP8-840-46	2381	727	727	727	210	108	2402	736	643	770	219	234	180	467	378	313
MHP8-860-47	2408	736	736	736	210	108	2429	736	643	797	219	234	180	467	378	314
MHP8-880-48	2435	745	745	745	210	108	2456	763	643	797	219	234	180	467	378	316

Performance curve



Installation drawing



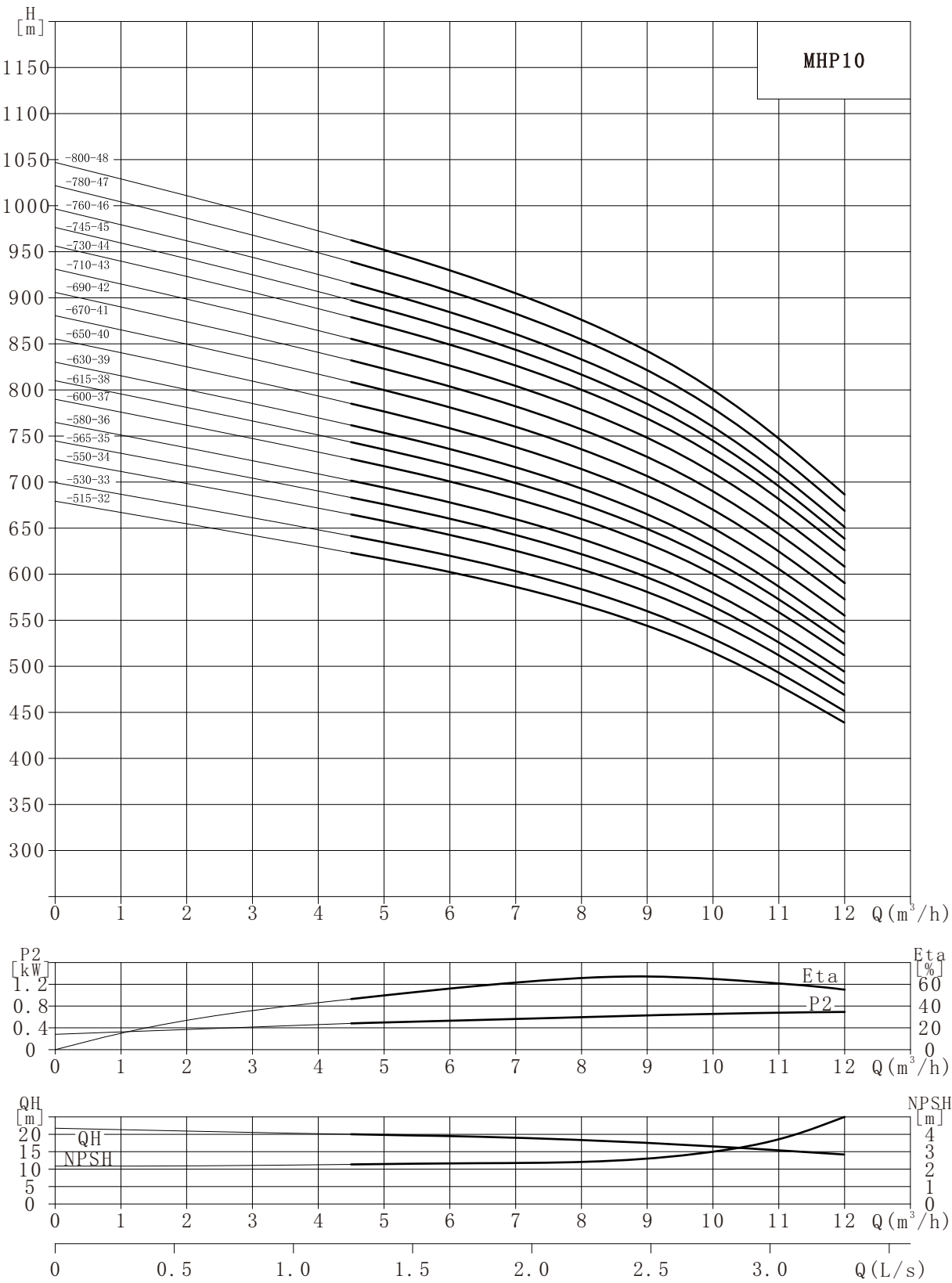
Performance data

Model	kW	Q (m³/h)	4.5	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0
MHP10-515-32	30	H (m)	623	616	602	586	567	544	515	479	439
MHP10-530-33	30		641	635	620	603	584	560	530	493	452
MHP10-550-34	30		664	658	643	625	605	581	550	512	469
MHP10-565-35	30		683	676	660	642	622	596	565	526	482
MHP10-580-36	30		702	694	678	660	638	612	580	540	494
MHP10-600-37	30		725	717	700	682	660	633	600	559	512
MHP10-615-38	30		743	735	718	699	676	649	615	573	525
MHP10-630-39	30		762	753	736	716	693	665	630	586	537
MHP10-650-40	37		785	777	758	738	714	686	650	606	555
MHP10-670-41	37		809	800	781	760	736	706	670	624	573
MHP10-690-42	37		832	823	804	782	757	727	690	643	590
MHP10-710-43	37		855	846	826	804	779	748	710	662	608
MHP10-730-44	37		879	869	849	826	800	769	730	681	626
MHP10-745-45	37		897	888	867	844	816	785	745	695	638
MHP10-760-46	37		916	906	884	861	833	800	760	709	651
MHP10-780-47	37		939	929	907	883	855	821	780	728	669
MHP10-800-48	37		963	952	930	905	876	842	800	747	687

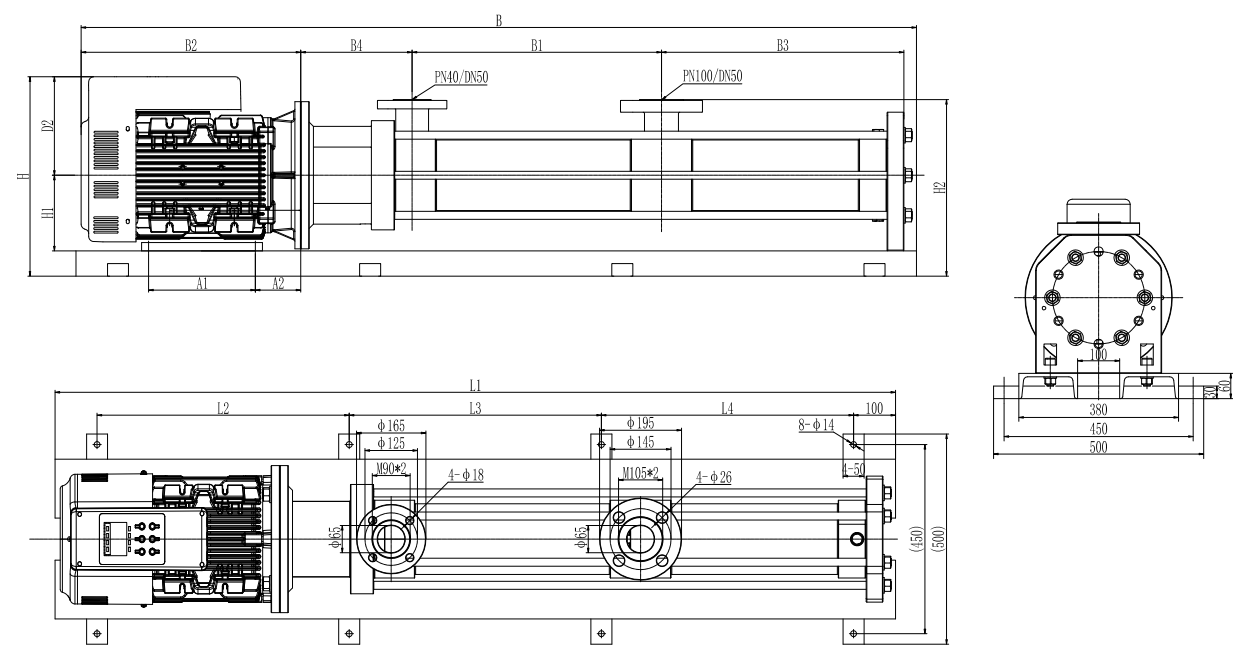
Installation dimension and weight

Model	Dimension (mm)															kg
	L1	L2	L3	L4	A1	A2	B	B1	B2	B3	B4	D2	H1	H	H2	
MHP10-515-32	2003	601	601	601	210	108	2024	547	643	581	219	234	180	467	378	281
MHP10-530-33	2030	610	610	610	210	108	2051	547	643	608	219	234	180	467	378	282
MHP10-550-34	2057	619	619	619	210	108	2078	574	643	608	219	234	180	467	378	284
MHP10-565-35	2084	628	628	628	210	108	2105	574	643	635	219	234	180	467	378	285
MHP10-580-36	2111	637	637	637	210	108	2132	601	643	635	219	234	180	467	378	287
MHP10-600-37	2138	646	646	646	210	108	2159	601	643	662	219	234	180	467	378	289
MHP10-615-38	2165	655	655	655	210	108	2186	628	643	662	219	234	180	467	378	290
MHP10-630-39	2192	664	664	664	210	108	2213	628	643	689	219	234	180	467	378	292
MHP10-650-40	2219	673	673	673	210	108	2240	655	643	689	219	234	180	467	378	303
MHP10-670-41	2246	682	682	682	210	108	2267	655	643	716	219	234	180	467	378	305
MHP10-690-42	2273	691	691	691	210	108	2294	682	643	716	219	234	180	467	378	307
MHP10-710-43	2300	700	700	700	210	108	2321	682	643	743	219	234	180	467	378	308
MHP10-730-44	2327	709	709	709	210	108	2348	709	643	743	219	234	180	467	378	310
MHP10-745-45	2354	718	718	718	210	108	2375	709	643	770	219	234	180	467	378	311
MHP10-760-46	2381	727	727	727	210	108	2402	736	643	770	219	234	180	467	378	313
MHP10-780-47	2408	736	736	736	210	108	2429	736	643	797	219	234	180	467	378	314
MHP10-800-48	2435	745	745	745	210	108	2456	763	643	797	219	234	180	467	378	316

Performance curve



Installation drawing



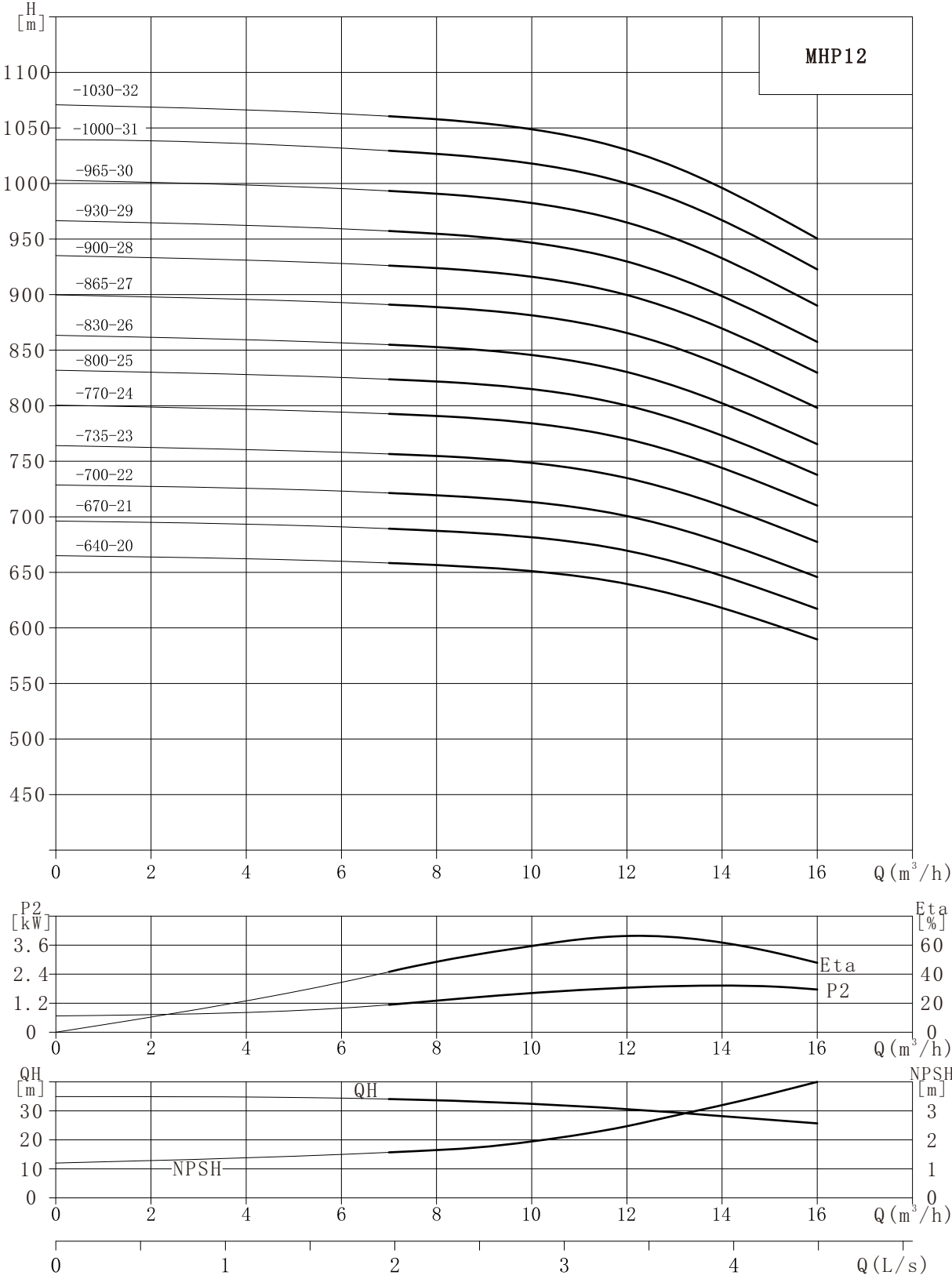
Performance data

Model	kW	Q (m³/h)	7	8	10	12	14	16
MHP12-640-20	45	H (m)	658	657	651	640	618	590
MHP12-670-21	45		689	687	682	670	647	617
MHP12-700-22	45		721	719	713	700	677	646
MHP12-735-23	55		757	754	748	735	710	677
MHP12-770-24	55		793	791	784	770	744	710
MHP12-800-25	55		824	822	815	800	773	738
MHP12-830-26	55		855	853	846	830	802	765
MHP12-865-27	55		891	889	881	865	836	798
MHP12-900-28	55		926	924	916	900	869	830
MHP12-930-29	55		957	955	947	930	899	857
MHP12-965-30	55		993	991	982	965	933	890
MHP12-1000-31	55		1029	1026	1018	1000	967	923
MHP12-1030-32	55		1061	1058	1049	1030	996	950

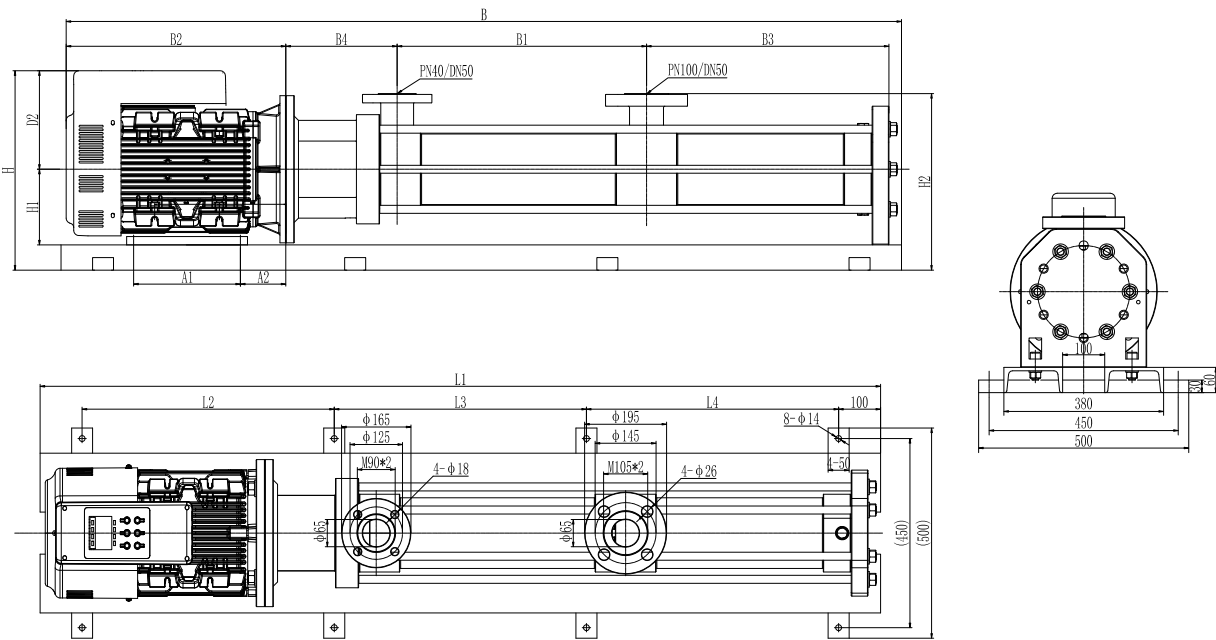
Installation dimension and weight

Model	Dimension (mm)															kg
	L1	L2	L3	L4	A1	A2	B	B1	B2	B3	B4	D2	H1	H	H2	
MHP12-640-20	1826	542	542	542	210	108	1838	443	643	456	265	234	180	474	420	360
MHP12-670-21	1856	552	552	552	210	108	1868	443	643	486	265	234	180	474	420	365
MHP12-700-22	1886	562	562	562	210	108	1898	473	643	486	265	234	180	474	420	367
MHP12-735-23	1916	572	572	572	210	108	1807	473	522	516	265	235	180	475	420	385
MHP12-770-24	1946	582	582	582	210	108	1837	503	522	516	265	235	180	475	420	388
MHP12-800-25	1976	592	592	592	210	108	1867	503	522	546	265	235	180	475	420	390
MHP12-830-26	1886	562	562	562	210	108	1897	533	522	546	265	235	180	475	420	393
MHP12-865-27	1916	572	572	572	210	108	1927	533	522	576	265	235	180	475	420	396
MHP12-900-28	1946	582	582	582	210	108	1957	563	522	576	265	235	180	475	420	398
MHP12-930-29	1976	592	592	592	210	108	1987	563	522	606	265	235	180	475	420	401
MHP12-965-30	2006	602	602	602	210	108	2017	593	522	606	265	235	180	475	420	403
MHP12-1000-31	2036	612	612	612	210	108	2047	593	522	636	265	235	180	475	420	406
MHP12-1030-32	2066	622	622	622	210	108	2077	623	522	636	265	235	180	475	420	409

Performance curve



Installation drawing



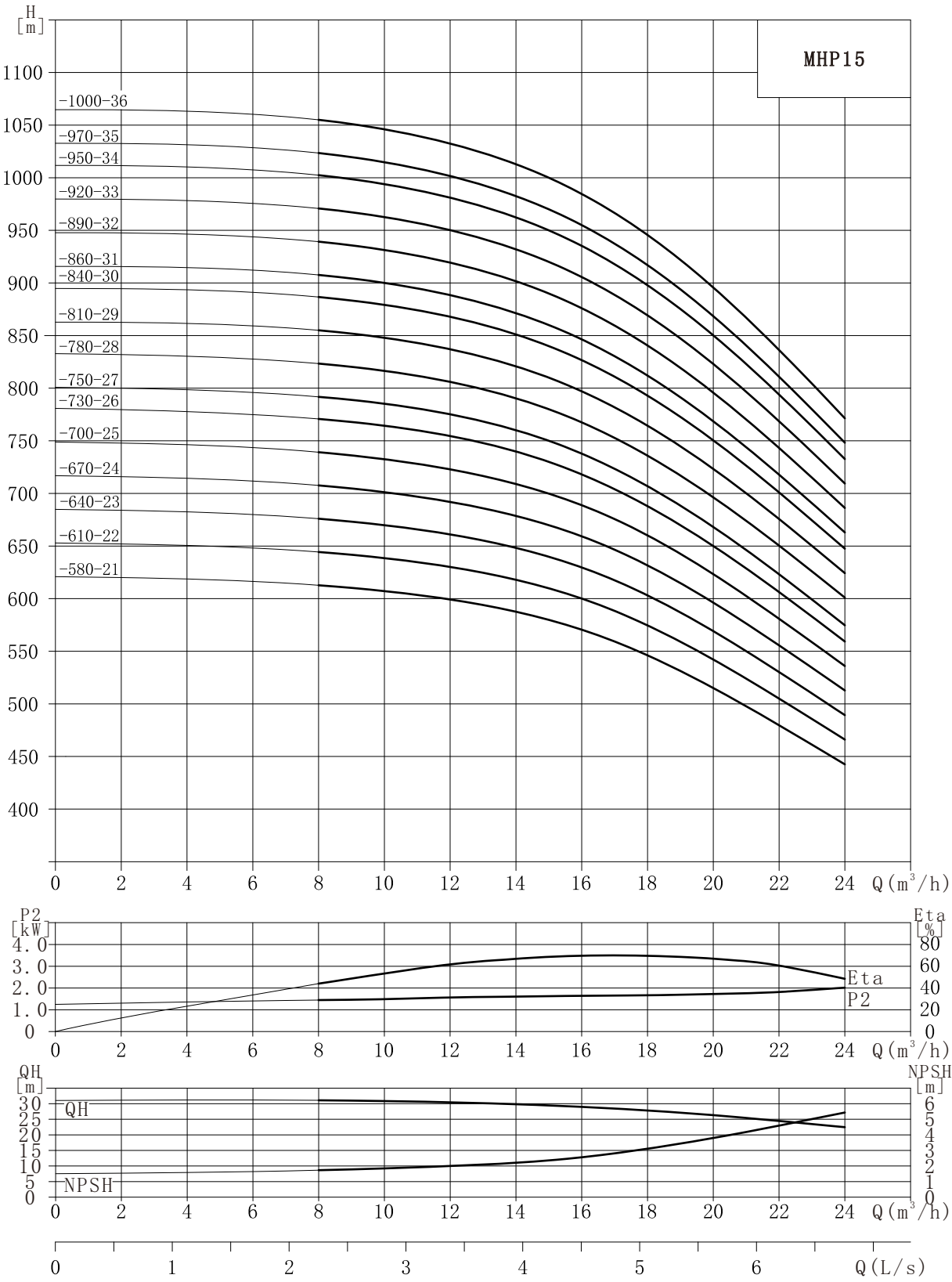
Performance data

Model	kW	Q (m³/h)	8	10	12	14	15	16	18	20	22	23	24
MHP15-580-21	45	H (m)	613	607	599	588	580	571	546	515	480	461	443
MHP15-610-22	45		644	639	630	618	610	600	575	542	505	485	466
MHP15-640-23	45		676	670	661	648	640	630	603	569	530	510	489
MHP15-670-24	45		708	701	692	679	670	659	632	596	556	534	513
MHP15-700-25	45		739	733	723	709	700	689	660	623	581	558	536
MHP15-730-26	55		771	764	755	740	730	718	688	650	606	583	559
MHP15-750-27	55		792	785	775	760	750	738	707	668	623	599	575
MHP15-780-28	55		823	816	806	790	780	767	736	696	650	626	601
MHP15-810-29	55		855	848	837	821	810	797	764	723	676	650	624
MHP15-840-30	55		887	879	868	851	840	827	793	750	701	674	647
MHP15-860-31	75		908	900	888	871	860	846	812	769	718	690	663
MHP15-890-32	75		939	931	919	902	890	876	841	796	743	715	686
MHP15-920-33	75		971	963	950	932	920	906	869	823	769	739	709
MHP15-950-34	75		1002	994	981	962	950	935	898	850	794	763	733
MHP15-970-35	75		1023	1015	1002	983	970	955	917	869	811	780	748
MHP15-1000-36	75		1055	1046	1032	1013	1000	985	946	896	836	804	771

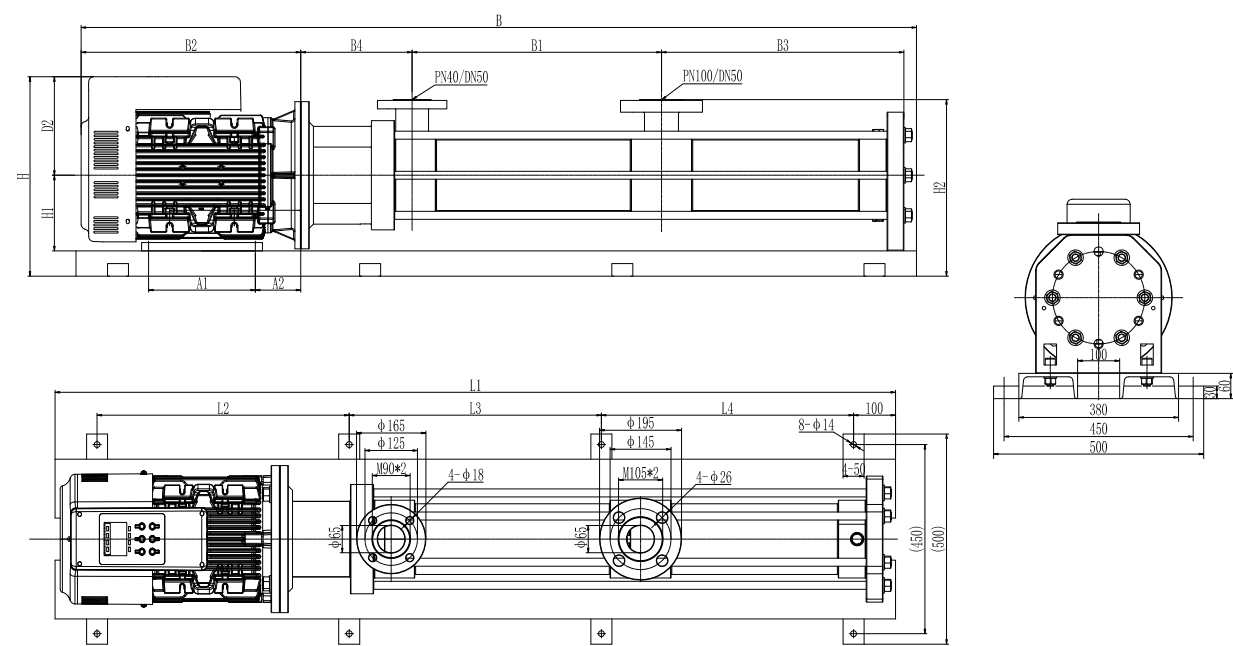
Installation dimension and weight

Model	Dimension (mm)															kg
	L1	L2	L3	L4	A1	A2	B	B1	B2	B3	B4	D2	H1	H	H2	
MHP15-580-21	1856	552	552	552	210	108	1868	443	643	486	265	234	180	474	420	365
MHP15-610-22	1886	562	562	562	210	108	1898	473	643	486	265	234	180	474	420	367
MHP15-640-23	1916	572	572	572	210	108	1928	473	643	516	265	234	180	474	420	370
MHP15-670-24	1946	582	582	582	210	108	1958	503	643	516	265	234	180	474	420	373
MHP15-700-25	1976	592	592	592	210	108	1988	503	643	546	265	234	180	474	420	375
MHP15-730-26	1886	562	562	562	210	108	1897	533	522	546	265	235	180	475	420	393
MHP15-750-27	1916	572	572	572	210	108	1927	533	522	576	265	235	180	475	420	396
MHP15-780-28	1946	582	582	582	210	108	1957	563	522	576	265	235	180	475	420	398
MHP15-810-29	1976	592	592	592	210	108	1987	563	522	606	265	235	180	475	420	401
MHP15-840-30	2006	602	602	602	210	108	2017	593	522	606	265	235	180	475	420	403
MHP15-860-31	2036	612	612	612	254	108	2047	593	522	636	265	235	180	475	420	441
MHP15-890-32	2066	622	622	622	254	108	2077	623	522	636	265	235	180	475	420	444
MHP15-920-33	2096	632	632	632	254	108	2107	623	522	666	265	235	180	475	420	446
MHP15-950-34	2126	642	642	642	254	108	2137	653	522	666	265	235	180	475	420	449
MHP15-970-35	2156	652	652	652	254	108	2167	653	522	696	265	235	180	475	420	452
MHP15-1000-36	2186	662	662	662	254	108	2197	683	522	696	265	235	180	475	420	454

Performance curve



Installation drawing



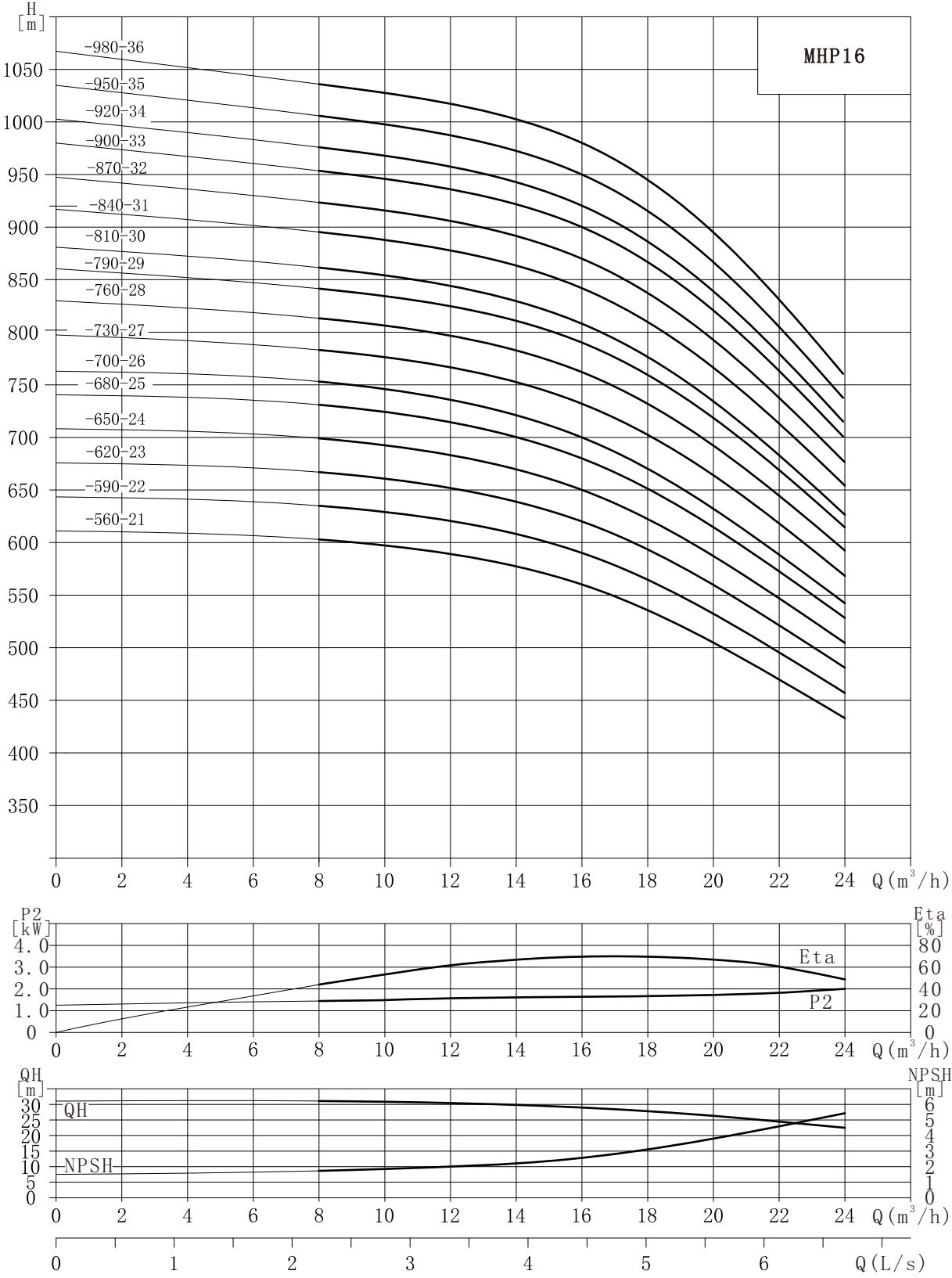
Performance data

Model	kW	Q (m³/h)	8	10	12	14	16	18	20	22	24
MHP16-560-21	45	H (m)	603	597	589	577	560	536	505	470	433
MHP16-590-22	45		635	629	621	608	590	505	532	496	457
MHP16-620-23	45		667	661	652	639	620	593	560	521	481
MHP16-650-24	45		699	693	683	670	650	622	587	547	505
MHP16-680-25	45		731	724	714	700	680	651	615	573	528
MHP16-700-26	55		753	746	736	721	700	670	632	588	542
MHP16-730-27	55		781	774	765	750	730	700	662	616	566
MHP16-760-28	55		811	804	795	781	760	730	690	643	590
MHP16-790-29	55		841	834	825	811	790	759	719	669	614
MHP16-810-30	55		863	856	846	832	810	779	736	685	629
MHP16-840-31	75		897	890	880	865	840	812	768	715	656
MHP16-870-32	75		923	916	906	892	870	837	793	738	677
MHP16-900-33	75		954	946	936	922	900	867	821	763	701
MHP16-920-34	75		976	968	958	943	920	886	839	780	715
MHP16-950-35	75		1006	998	987	972	950	915	867	805	738
MHP16-980-36	75		1036	1028	1017	1003	980	945	895	931	760

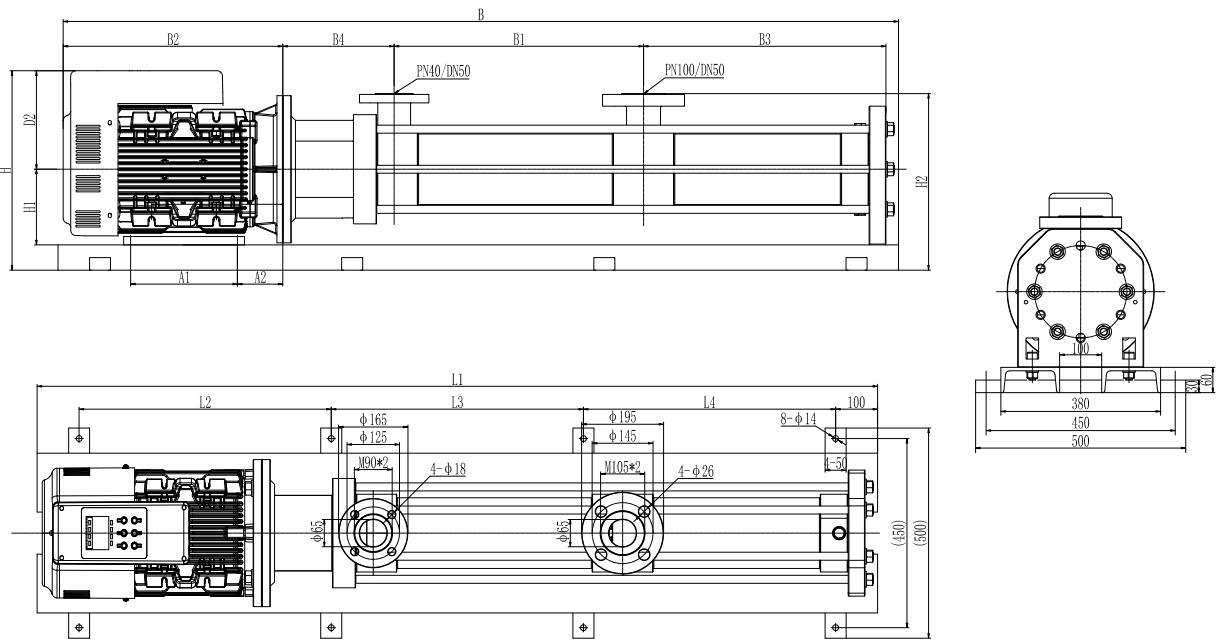
Installation dimension and weight

Model	Dimension (mm)															kg
	L1	L2	L3	L4	A1	A2	B	B1	B2	B3	B4	D2	H1	H	H2	
MHP16-560-21	1856	552	552	552	210	108	1868	443	643	486	265	234	180	474	420	365
MHP16-590-22	1886	562	562	562	210	108	1898	473	643	486	265	234	180	474	420	367
MHP16-620-23	1916	572	572	572	210	108	1928	473	643	516	265	234	180	474	420	370
MHP16-650-24	1946	582	582	582	210	108	1958	503	643	516	265	234	180	474	420	373
MHP16-680-25	1976	592	592	592	210	108	1988	503	643	546	265	234	180	474	420	375
MHP16-700-26	1886	562	562	562	210	108	1897	533	522	546	265	235	180	475	420	393
MHP16-730-27	1916	572	572	572	210	108	1927	533	522	576	265	235	180	475	420	396
MHP16-760-28	1946	582	582	582	210	108	1957	563	522	576	265	235	180	475	420	398
MHP16-790-29	1976	592	592	592	210	108	1987	563	522	606	265	235	180	475	420	401
MHP16-810-30	2006	602	602	602	210	108	2017	593	522	606	265	235	180	475	420	403
MHP16-840-31	2036	612	612	612	254	108	2047	593	522	636	265	235	180	475	420	441
MHP16-870-32	2066	622	622	622	254	108	2077	623	522	636	265	235	180	475	420	444
MHP16-900-33	2096	632	632	632	254	108	2107	623	522	666	265	235	180	475	420	446
MHP16-920-34	2126	642	642	642	254	108	2137	653	522	666	265	235	180	475	420	449
MHP16-950-35	2156	652	652	652	254	108	2167	653	522	696	265	235	180	475	420	452
MHP16-980-36	2186	662	662	662	254	108	2197	683	522	696	265	235	180	475	420	454

Performance curve



Installation drawing



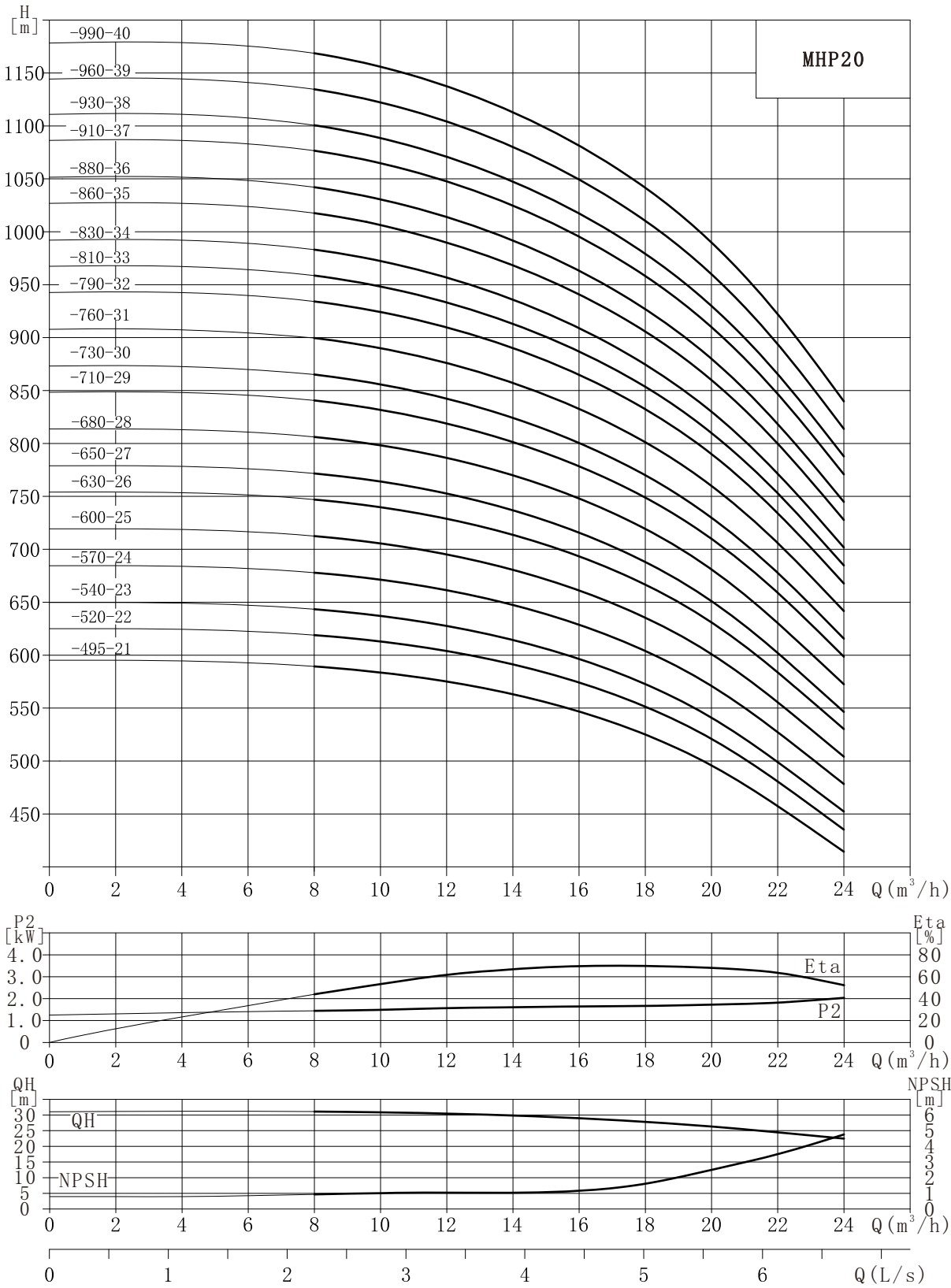
Performance data

Model	kW	Q (m³/h)	8	10	12	14	15	16	18	20	22	23	24
MHP20-495-21	45	H (m)	589	584	575	563	556	547	525	495	457	436	414
MHP20-520-22	45		619	613	604	591	583	574	551	520	481	458	435
MHP20-540-23	45		643	637	628	614	606	596	572	540	499	476	452
MHP20-570-24	45		678	671	661	647	639	629	604	570	527	503	478
MHP20-600-25	45		713	706	695	681	672	661	635	600	555	530	504
MHP20-630-26	55		747	740	729	714	704	693	667	630	584	557	530
MHP20-650-27	55		772	764	753	737	727	716	688	650	602	574	546
MHP20-680-28	55		806	798	786	770	760	748	719	680	630	602	573
MHP20-710-29	55		841	832	819	800	791	778	749	710	659	629	599
MHP20-730-30	55		865	856	842	824	813	800	770	730	678	647	616
MHP20-760-31	75		900	890	876	857	846	833	801	760	706	674	642
MHP20-790-32	75		934	924	910	890	878	865	832	790	734	702	668
MHP20-810-33	75		959	948	933	913	901	887	853	810	753	720	685
MHP20-830-34	75		983	972	957	936	923	909	875	830	771	737	702
MHP20-860-35	75		1018	1006	990	968	955	941	906	860	800	765	728
MHP20-880-36	75		1042	1031	1014	992	978	963	927	880	818	783	745
MHP20-910-37	75		1077	1065	1048	1025	1011	995	958	910	847	810	771
MHP20-930-38	75		1101	1088	1071	1048	1033	1017	979	930	865	828	788
MHP20-960-39	75		1135	1122	1104	1080	1066	1049	1010	960	894	855	814
MHP20-990-40	75		1169	1156	1137	1113	1098	1081	1041	990	922	882	840

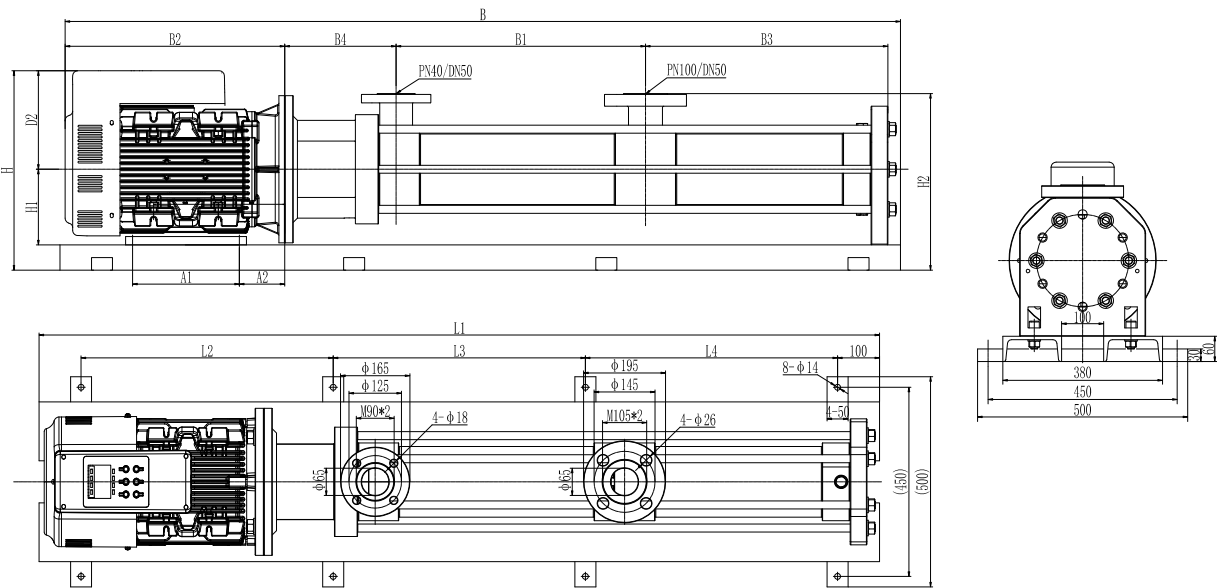
Installation dimension and weight

Model	Dimension (mm)															kg
	L1	L2	L3	L4	A1	A2	B	B1	B2	B3	B4	D2	H1	H	H2	
MHP20-495-21	1856	552	552	552	210	108	1868	443	643	486	265	234	180	474	420	365
MHP20-520-22	1886	562	562	562	210	108	1898	473	643	486	265	234	180	474	420	367
MHP20-540-23	1916	572	572	572	210	108	1928	473	643	516	265	234	180	474	420	370
MHP20-570-24	1946	582	582	582	210	108	1958	503	643	516	265	234	180	474	420	373
MHP20-600-25	1976	592	592	592	210	108	1988	503	643	546	265	234	180	474	420	375
MHP20-630-26	1886	562	562	562	210	108	1897	533	522	546	265	235	180	475	420	393
MHP20-650-27	1916	572	572	572	210	108	1927	533	522	576	265	235	180	475	420	396
MHP20-680-28	1946	582	582	582	210	108	1957	563	522	576	265	235	180	475	420	398
MHP20-710-29	1976	592	592	592	210	108	1987	563	522	606	265	235	180	475	420	401
MHP20-730-30	2006	602	602	602	210	108	2017	593	522	606	265	235	180	475	420	403
MHP20-760-31	2036	612	612	612	254	108	2047	593	522	636	265	235	180	475	420	441
MHP20-790-32	2066	622	622	622	254	108	2077	623	522	636	265	235	180	475	420	444
MHP20-810-33	2096	632	632	632	254	108	2107	623	522	666	265	235	180	475	420	446
MHP20-830-34	2126	642	642	642	254	108	2137	653	522	666	265	235	180	475	420	449
MHP20-860-35	2156	652	652	652	254	108	2167	653	522	696	265	235	180	475	420	452
MHP20-880-36	2186	662	662	662	254	108	2197	683	522	696	265	235	180	475	420	454
MHP20-910-37	2216	672	672	672	254	108	2227	683	522	726	265	235	180	475	420	457
MHP20-930-38	2246	682	682	682	254	108	2257	713	522	726	265	235	180	475	420	460
MHP20-960-39	2276	692	692	692	254	108	2287	713	522	756	265	235	180	475	420	462
MHP20-990-40	2306	702	702	702	254	108	2317	743	522	756	265	235	180	475	420	465

Performance curve



Installation dimension and weight

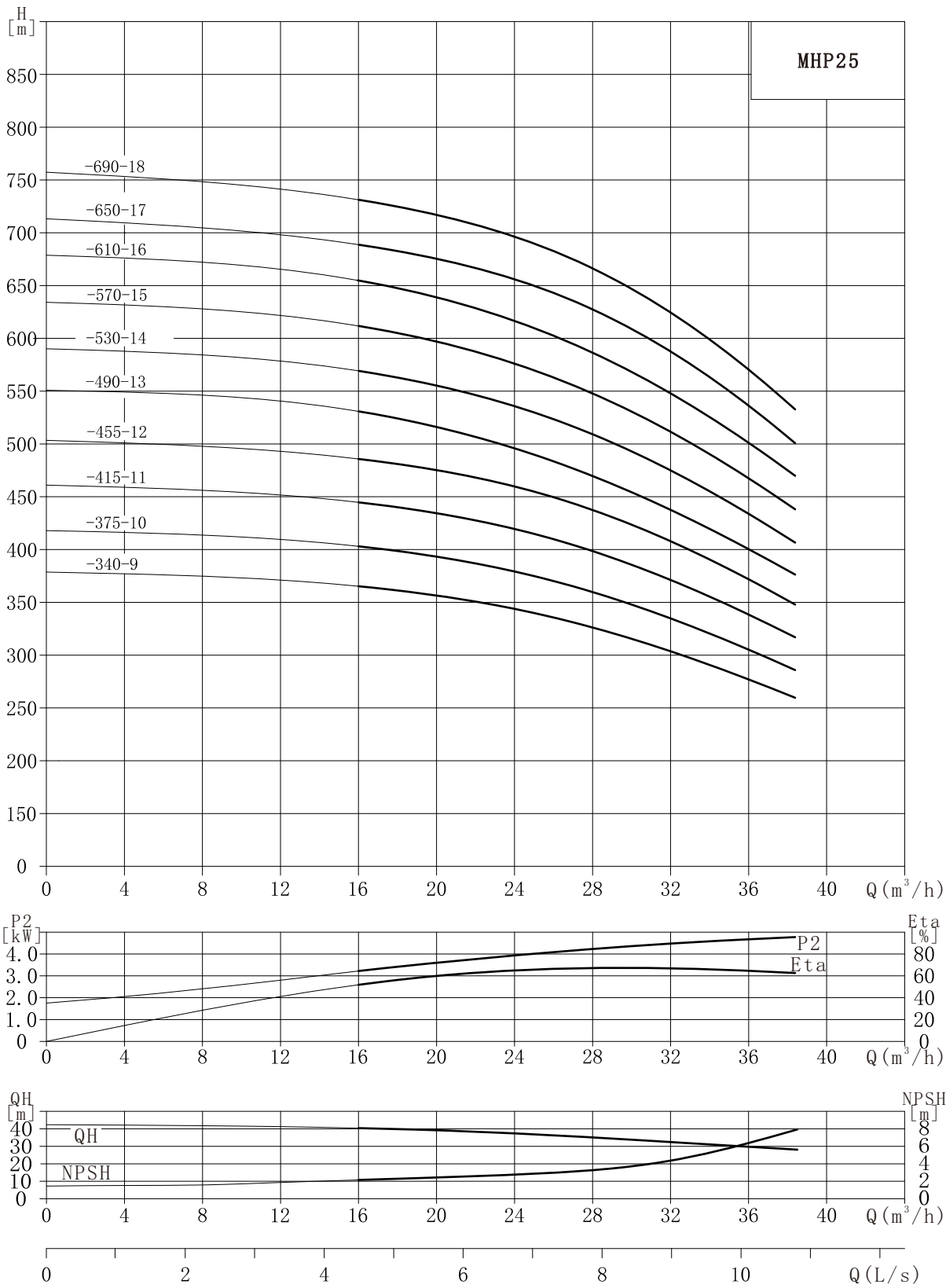


Model	Dimension (mm)															kg
	L1	L2	L3	L4	A1	A2	B	B1	B2	B3	B4	D2	H1	H	H2	
MHP25-340-9	1631	477	477	477	210	108	1643	323	643	381	265	234	180	475	420	350
MHP25-375-10	1556	452	452	452	210	108	1567	368	522	381	265	235	180	475	420	370
MHP25-415-11	1601	467	467	467	210	108	1612	368	522	426	265	235	180	475	420	374
MHP25-455-12	1646	482	482	482	254	108	1657	413	522	426	265	235	180	475	420	413
MHP25-490-13	1691	497	497	497	254	108	1702	413	522	471	265	235	180	475	420	418
MHP25-530-14	1736	512	512	512	254	108	1747	458	522	471	265	235	180	475	420	422
MHP25-570-15	1781	527	527	527	254	108	1792	458	522	516	265	235	180	475	420	427
MHP25-610-16	1826	542	542	542	254	108	1837	503	522	516	265	235	180	475	420	431
MHP25-650-17	1871	557	557	557	254	108	1882	503	522	561	265	235	180	475	420	435
MHP25-690-18	1916	572	572	572	254	108	1927	548	522	561	265	235	180	475	420	440

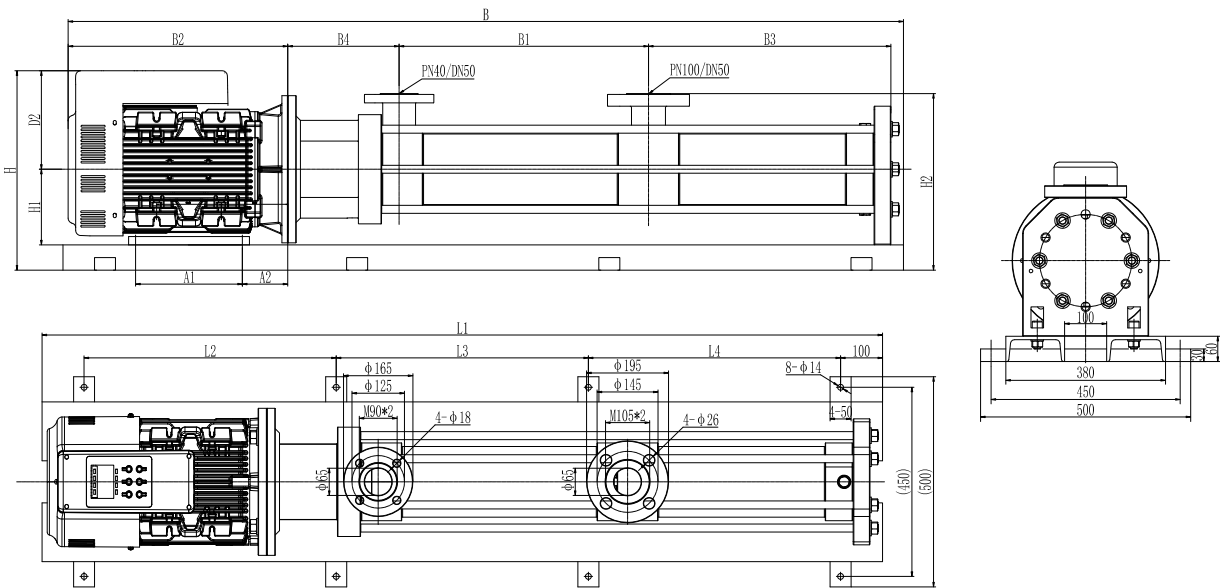
Performance data

Model	kW	Q (m³/h)	16	20	24	25	28	32	36	38.4
MHP25-340-9	45	H (m)	365	356	344	340	326	304	277	260
MHP25-375-10	55		403	393	379	375	360	335	305	286
MHP25-415-11	55		445	434	420	415	399	371	338	317
MHP25-455-12	75		486	475	460	455	437	408	372	348
MHP25-490-13	75		531	516	496	490	470	438	400	376
MHP25-530-14	75		569	555	536	530	509	475	434	407
MHP25-570-15	75		612	597	578	570	548	511	467	438
MHP25-610-16	90		655	639	617	610	587	548	510	470
MHP25-650-17	90		689	675	656	650	627	588	536	500
MHP25-690-18	90		731	717	696	690	666	624	570	533

Performance curve



Installation dimension and weight

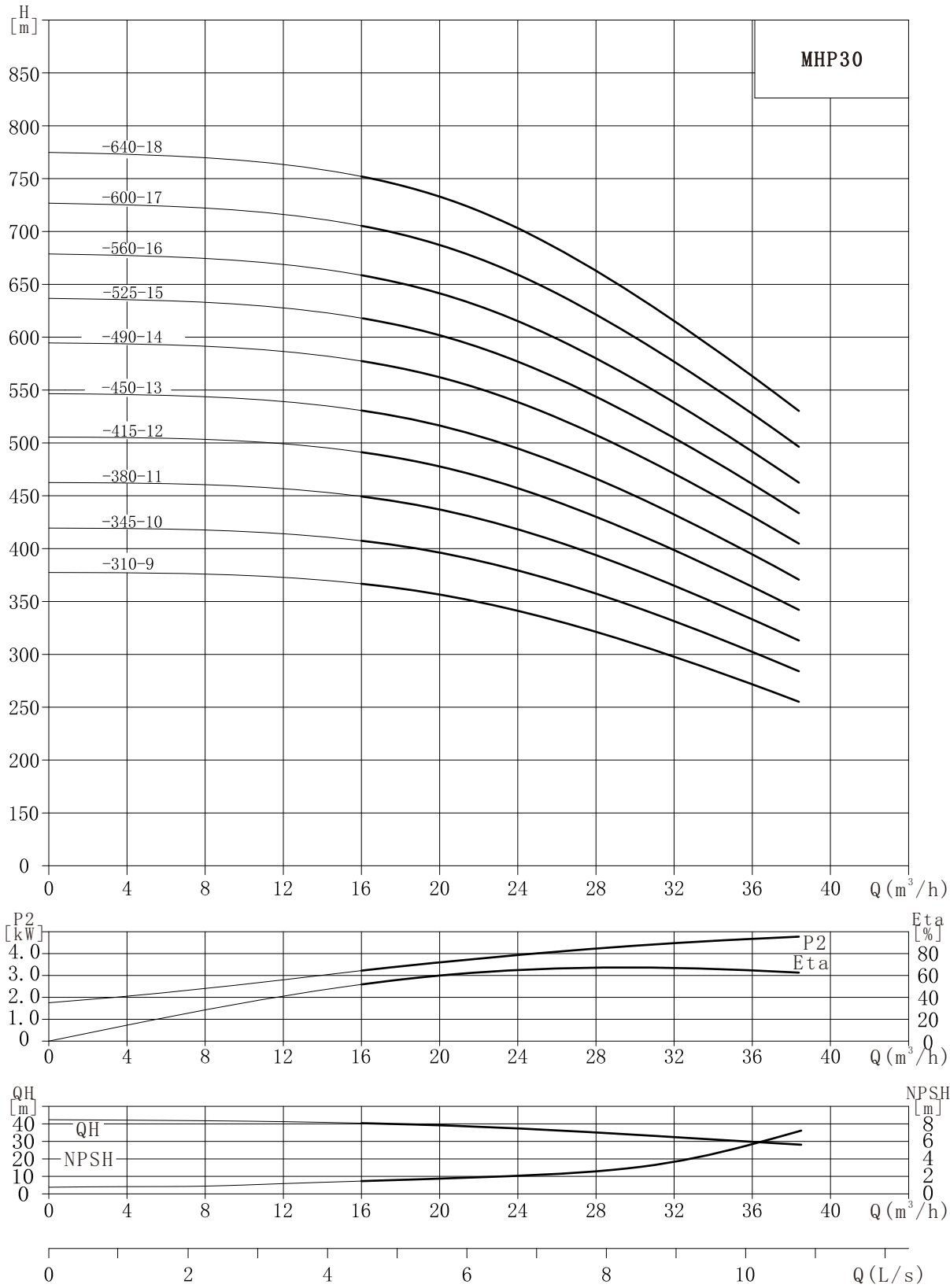


Model	Dimension (mm)															kg
	L1	L2	L3	L4	A1	A2	B	B1	B2	B3	B4	D2	H1	H	H2	
MHP30-310-9	1631	477	477	477	210	108	1643	323	643	381	265	234	180	475	420	350
MHP30-345-10	1556	452	452	452	210	108	1567	368	522	381	265	235	180	475	420	370
MHP30-380-11	1601	467	467	467	210	108	1612	368	522	426	265	235	180	475	420	374
MHP30-415-12	1646	482	482	482	254	108	1657	413	522	426	265	235	180	475	420	413
MHP30-450-13	1691	497	497	497	254	108	1702	413	522	471	265	235	180	475	420	418
MHP30-490-14	1736	512	512	512	254	108	1747	458	522	471	265	235	180	475	420	422
MHP30-525-15	1781	527	527	527	254	108	1792	458	522	516	265	235	180	475	420	427
MHP30-560-16	1826	542	542	542	254	108	1837	503	522	516	265	235	180	475	420	456
MHP30-600-17	1871	557	557	557	254	108	1882	503	522	561	265	235	180	475	420	460
MHP30-640-18	1916	572	572	572	254	108	1927	548	522	561	265	235	180	475	420	465

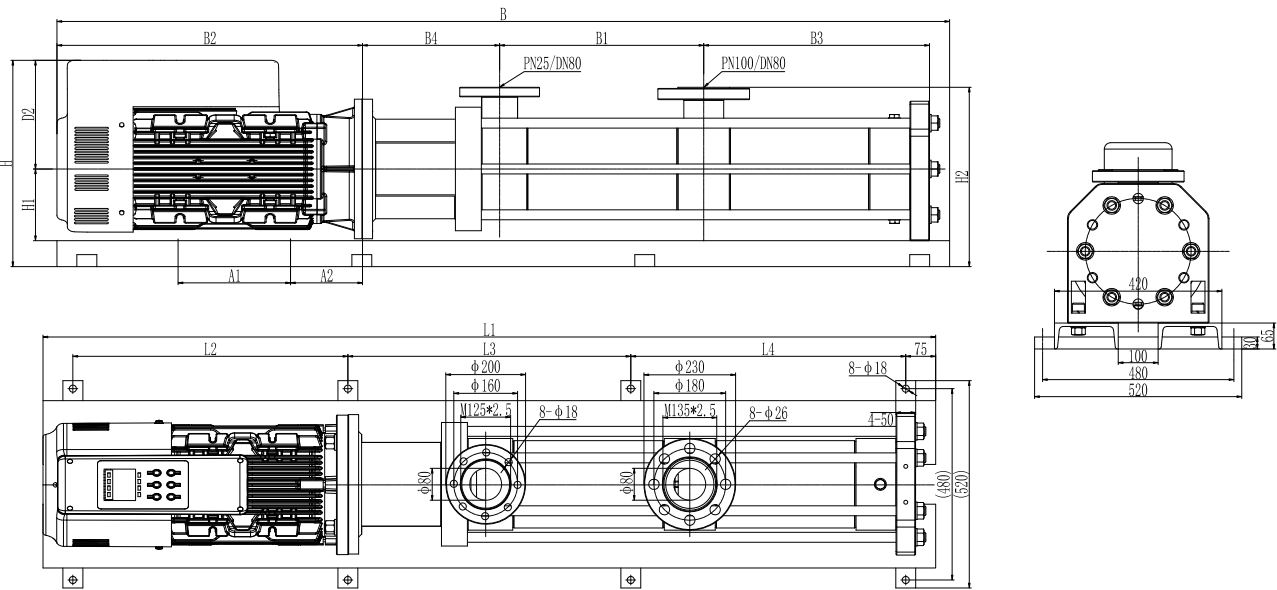
Performance data

Model	kW	Q (m³/h)	16	20	25	28	30	32	36	38.5
MHP30-310-9	45	H (m)	367	357	337	321	310	298	272	255
MHP30-345-10	55		407	396	374	357	345	331	302	284
MHP30-380-11	55		449	437	413	394	380	365	333	313
MHP30-415-12	75		491	478	451	430	415	399	364	342
MHP30-450-13	75		531	516	488	466	450	432	395	371
MHP30-490-14	75		577	562	532	508	490	471	430	405
MHP30-525-15	75		618	602	569	544	525	505	461	434
MHP30-560-16	90		659	642	607	579	560	538	492	462
MHP30-600-17	90		705	687	651	621	600	577	528	496
MHP30-640-18	90		752	733	694	663	640	615	563	530

Performance curve



Installation dimension and weight

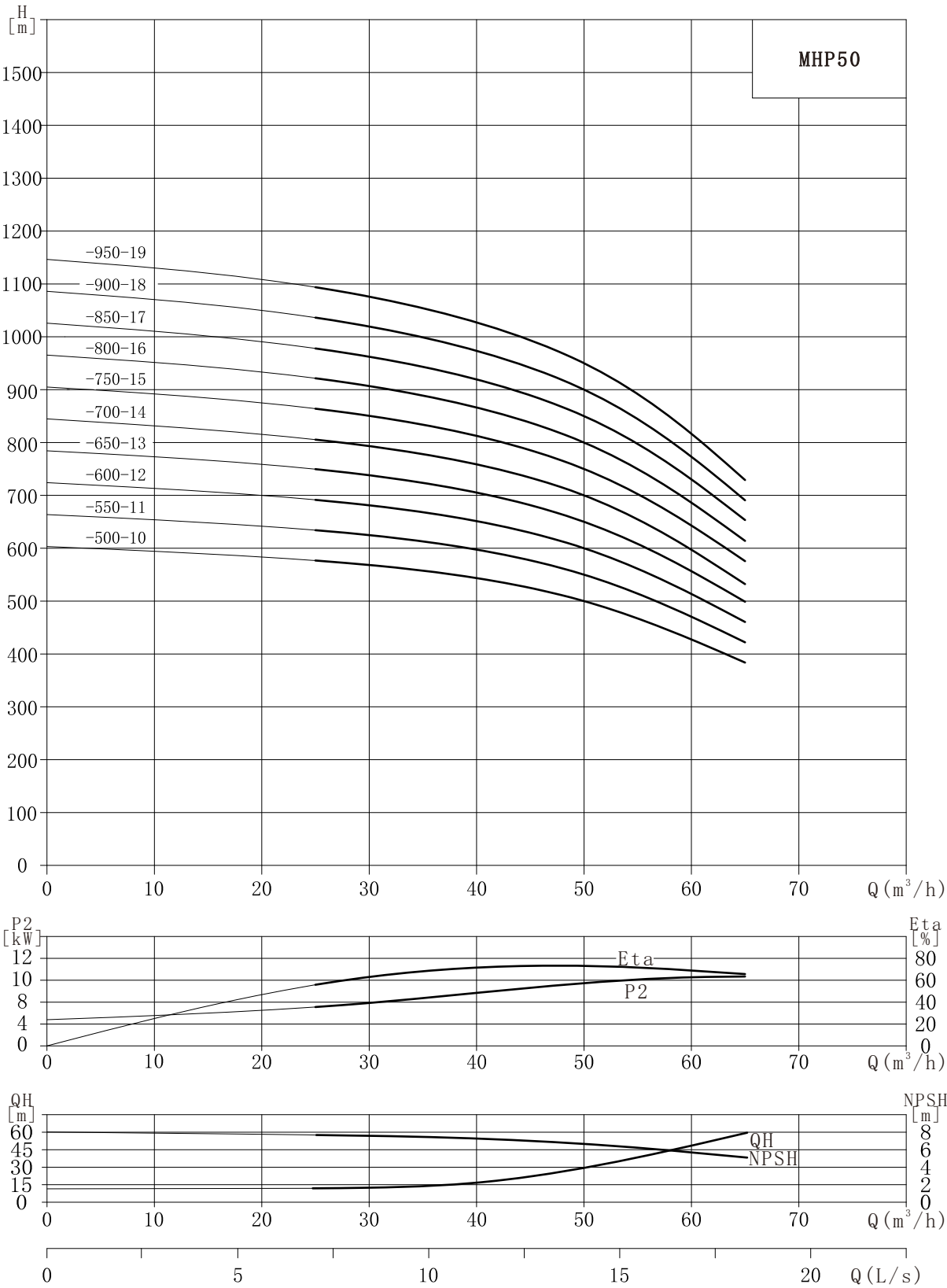


Model	Dimension (mm)															kg
	L1	L2	L3	L4	A1	A2	B	B1	B2	B3	B4	D2	H1	H	H2	
MHP50-500-10	2240	690	710	690	311	149	2252	512	767	566	356	272	180	517	450	627
MHP50-550-11	2310	720	720	720	311	149	2322	512	767	636	356	272	180	517	450	652
MHP50-600-12	2380	740	750	740	311	149	2392	582	767	636	356	272	180	517	450	658
MHP50-650-13	2450	760	780	760	311	149	2462	582	767	706	356	272	180	517	450	678
MHP50-700-14	2520	790	790	790	311	149	2532	652	767	706	356	272	180	517	450	684
MHP50-750-15	2590	810	820	810	311	149	2602	652	767	776	356	272	180	517	450	689
MHP50-800-16	2660	830	850	830	311	149	2672	722	767	776	356	272	180	517	450	715
MHP50-850-17	2730	860	860	860	311	149	2742	722	767	846	356	272	180	517	450	720
MHP50-900-18	2800	880	890	880	311	149	2812	792	767	846	356	272	180	517	450	726
MHP50-950-19	2870	900	920	900	311	149	2958	792	843	916	356	324	180	569	450	766

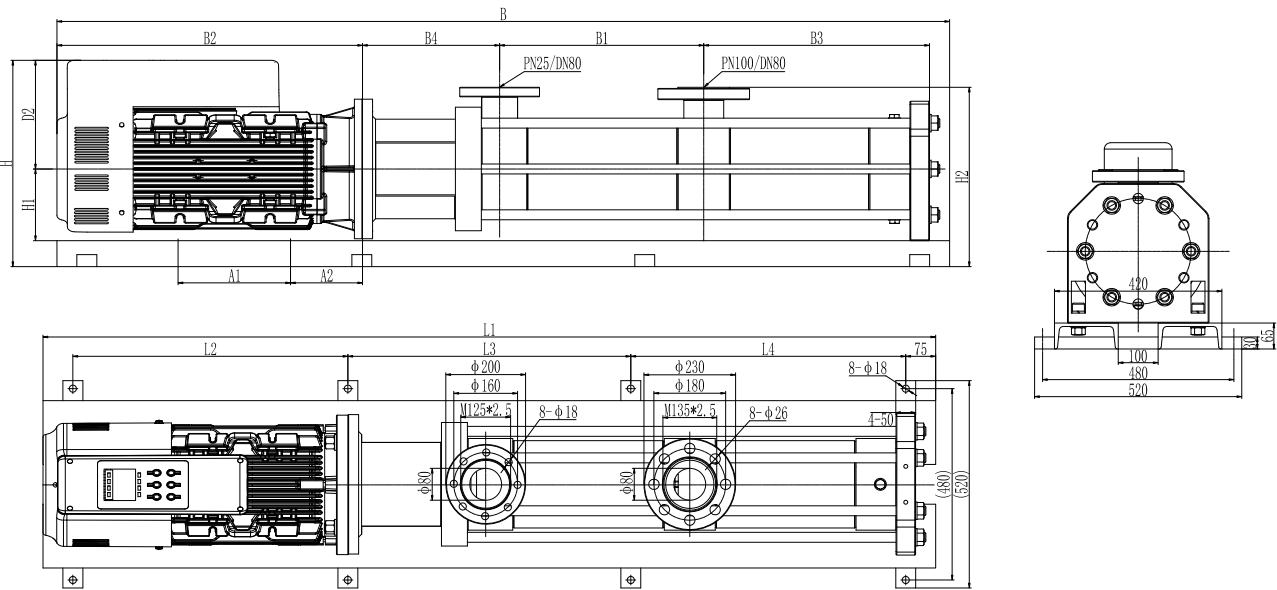
Performance data

Model	kW	Q (m³/h)	25	30	35	40	45	50	55	60	65
MHP50-500-10	110	H (m)	577	569	558	544	525	500	467	427	384
MHP50-550-11	132		634	625	614	598	578	550	514	470	422
MHP50-600-12	132		692	682	669	652	630	600	560	513	460
MHP50-650-13	160		750	739	725	706	682	650	607	556	499
MHP50-700-14	160		807	795	780	760	735	700	654	589	537
MHP50-750-15	160		865	852	835	814	787	750	701	641	576
MHP50-800-16	185		922	908	890	868	839	800	749	685	614
MHP50-850-17	185		980	964	946	922	891	850	796	728	652
MHP50-900-18	185		1037	1021	1001	975	943	900	843	771	691
MHP50-950-19	200		1094	1077	1056	1029	995	950	890	815	729

Performance curve



Installation dimension and weight



Model	Dimension (mm)															kg
	L1	L2	L3	L4	A1	A2	B	B1	B2	B3	B4	D2	H1	H	H2	
MHP60-420-6	1980	610	610	610	311	149	2035	401	767	459	356	272	180	517	450	602
MHP60-490-7	2060	630	650	630	311	149	2115	401	767	539	356	272	180	517	450	628
MHP60-560-8	2140	660	670	660	311	149	2195	481	767	539	356	272	180	517	450	649
MHP60-630-9	2220	680	710	680	311	149	2275	481	767	619	356	272	180	517	450	675
MHP60-700-10	2300	710	730	710	311	149	2431	561	843	619	356	324	180	569	450	716

Performance data

Model	kW	Q (m³/h)	30	40	50	60	70	80	90
MHP60-420-6	110	H (m)	455	447	436	420	399	373	344
MHP60-490-7	132		532	523	509	490	465	435	402
MHP60-560-8	160		609	598	582	560	531	497	459
MHP60-630-9	185		683	671	654	630	598	559	516
MHP60-700-10	200		759	745	726	700	665	622	574

Performance curve

