

НАСОСЫ ДВУСТОРОННЕГО ВХОДА КАТАЛОГ ПРОДУКЦИИ

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NUMEROUS MEMBERS, ONE FAMILY

Based on market segment, LEO's pump business is divided into 5 fields, namely water conservancy & water resources, power station, petrochemical industry, mining & metallurgical industry and civilian applications. For each field there's a professional manufacturing base with relevant professional sales teams. Three subsidiary companies, Wuxi LEO Xi Pump, LEO Group Pump (Hunan) and Dalian LEO Pump are all well-known industrial pump manufacturers in their own fields. With over 70 years' industrial pump manufacturing experience and extraordinary comprehensive strength, LEO has become a leading company among all industrial pump manufacturers in China.



Pump Manufacturing Base for Domestic and Commercial Applications (Wenling City, Zhejiang Province)

LEO Group Pump (Zhejiang) Co., Ltd, a wholly-owned subsidiary of LEO Group Co., Ltd, is the core base for R&D, manufacturing, sales and service of domestic and commercial pumps for family water supply, pipeline boosting, garden and field irrigation, HVAC, etc.

The leading products include peripheral pump, jet pump, centrifugal pump, garden submersible pump, fountain pump, pool pump, doestic lifting station, gasoline engine pump, diesel engine pump, submersible pump, submersible borehole pump, submersible sewage pump, stainless steel vertical multistage pump, etc.

The product range covers 15 series with over 2,000 specifications, which are well sold in more than 120 countries and regions. The base has established steady cooperative relationships with world-class pump manufacturers, importers, dealers and hypermarkets.



Pump Manufacturing Base for General Industrial Pumps (Xiangtan City, Hunan Province)

Established in 2010, LEO Group Pump (Hunan) Co., Ltd. is a wholly-owned subsidiary by LEO Group Co., Ltd. Located in Jiuhua Economic Development Zone of Xiangtan City, Hunan Province. Covers an area of 85,000m² and construction area is about 92,635 m² with total investment of approximately 74 million dollars. It is the most important R&D, manufacturing and testing center of LEO Group. The leading products include large mixed flow and axial flow pump (vertical, horizontal, oblique, tubular, submersible etc.), double-suction centrifugal pump, multistage centrifugal pump, slurry pump, desulphurization pump and submersible centrifugal pump. Products are mainly used in mine, metallurgy, coal washing, FGD, municipal water etc.



Pump Manufacturing Base for Water Conservancy & Water Resources (Wuxi City, Jiangsu Province)

Formerly known as Wuxi Xi Pump Manufacturing Co., Ltd., a well-known manufacturer of water conservancy, is specialized in large and medium-sized pumps production for urban water supply and drainage, farmland irrigation, water conservancy projects and large water diversion project. The main products cover 32 series with nearly 1000 specifications. Products exported to more than 20 countries in Asia, Latin-America, Europe and Oceania.

As a main supplier, the base provides large pumps for South-to-North Water Diversion Project—a national key project. There are over 140 technicians, including 1 professor level senior engineer, 16 senior engineers, and 39 engineers.



Pump Manufacturing Base for Petrochemical Industry (Dalian City, Liaoning Province)

It is the pump manufacturing base for petrochemical industry, combined with Dalian LEO Huaneng Pump Co., Ltd and LEO (Dalian) Industrial Pump Technology Center Co., Ltd.

Formerly known as Dalian Huaneng Corrosion-Resistant Pump Works, the base is specialized in production of petrochemical pumps for crude oil transportation, crude oil refinery, heavy chemical industry, coal chemical industry and fine chemistry, etc. The base focuses on design and manufacture of 30 series (OH, BB, VS, etc.) of petrochemical pumps with over 3000 specifications, which are in accordance with API and ISO standard.

LEO (Dalian) Industrial Pump Technology Center Co., Ltd. is one of the research branch of national level technology center for petrochemical pumps, specializes in R&D , design of pumps of petro chemistry, coal chemical industry, long-distance transport pipes, energy resources, fine chemicals industry, etc. Design and develop software and large laboratories, explore liquid transport schemes under severe conditions and solve the difficult projects of ultralow temperature, high temperature, high pressure, low cavitation, highly corrosive, energy recovery, etc.



Applications

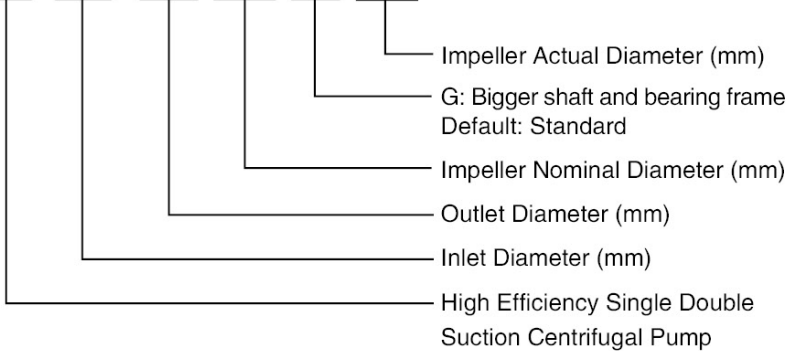
- Clear water or other liquids similar to clear water in physical and chemical properties
- Supply and drainage systems and cooling systems in iron and steel industry, petrochemical industry, thermo power plants, mines, etc
- Uerban water supply, heating systems, irrigation and water conservation

Working Conditions

- Max. Head: 190 m
- Max. Flow: 3780 m³/h (1050 l/s)
- Liquid PH value: 6 ~ 9
- Max. Liquid temperature: 80℃
- Pump inlet: 125~500 mm, outlet: 80 ~ 400 mm
- Speed: 1480/2980 rpm at 50Hz, 1780/3580 rpm at 60Hz
- Max. Working pressure: 16 bar as standard(HT200 pump casing)
24 bar available on request(QT400-18 pump casing)

Identification Codes

GS 200-125-290 (G)/298



Structure Features

Pump casing

High efficiency round water chamber design.
Double volute water chamber to balance radial force, with advantages of no whirl in suction.
Stable operating, noiseless and good cavitations performance.
With reinforcing rib that has good rigidity and appearance.

Bearing

Short span and enlarged diameter design are adopted that have stable operation and long operation period.
Grease lubricating that the working temperature are less than 80℃ .

Standard

Pump: GB/T5657-95, Q/FZEF 001-2014,
Flange: DIN2501 PN16, GB/T172416 PN16
Mechanical seal: DIN24960

Impeller

Closed impeller is designed with three-dimensional flow theory and CFD calculation & simulation that have advantages of high efficiency, wide range and good cavitations performance.
Symmetrical design cause axial force reaches equilibrium.
Equipped with remodeled impeller that has wide performance range.
Metal mould, digital machining, and accurate roughcast.

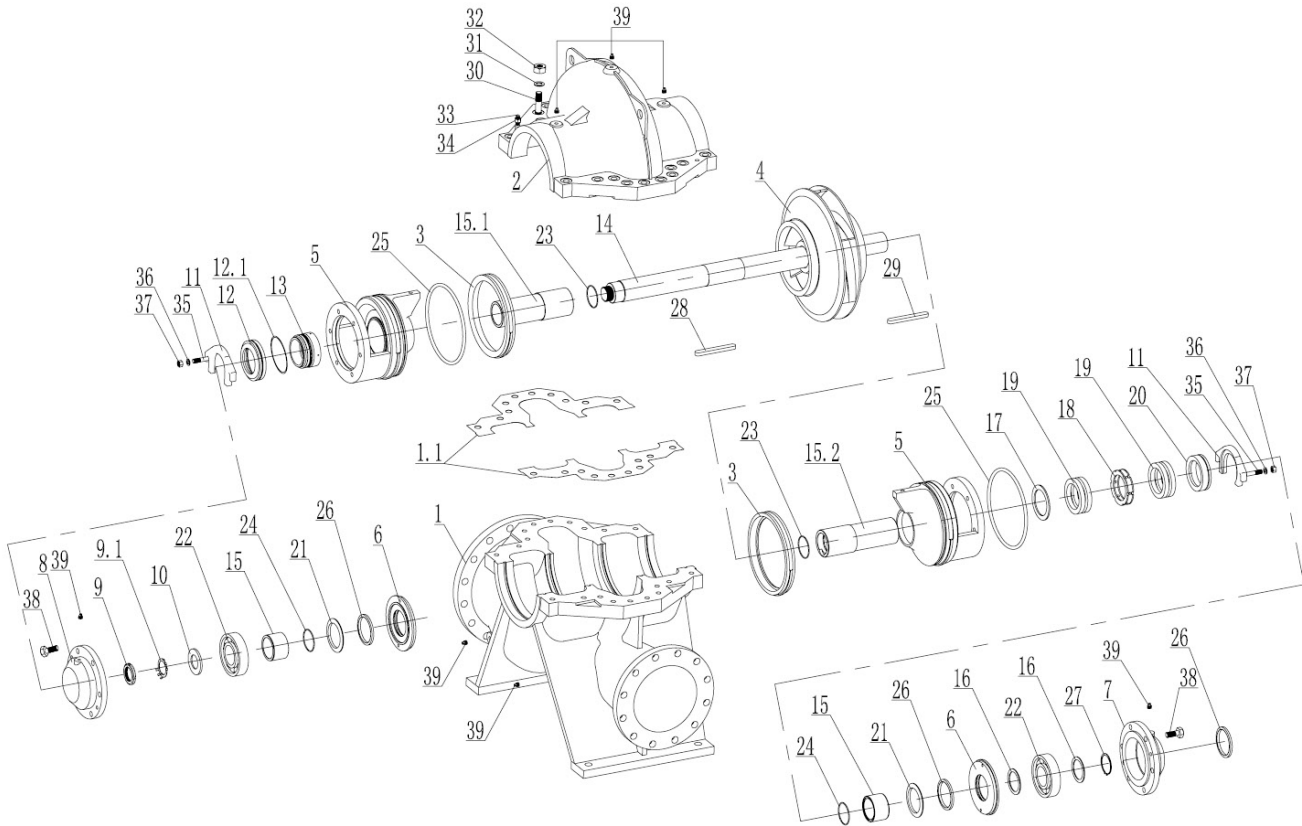
Sealing

Mechanical seal & packing seal are all adopted for better sealing effect.
Dimension of mechanical seal are in accordance with DIN24960
Built-in seal Lubrication Technology

Shaft

Fully sealed shaft, won't contact with fluid, no corrosion. Long service life.

Materials Table

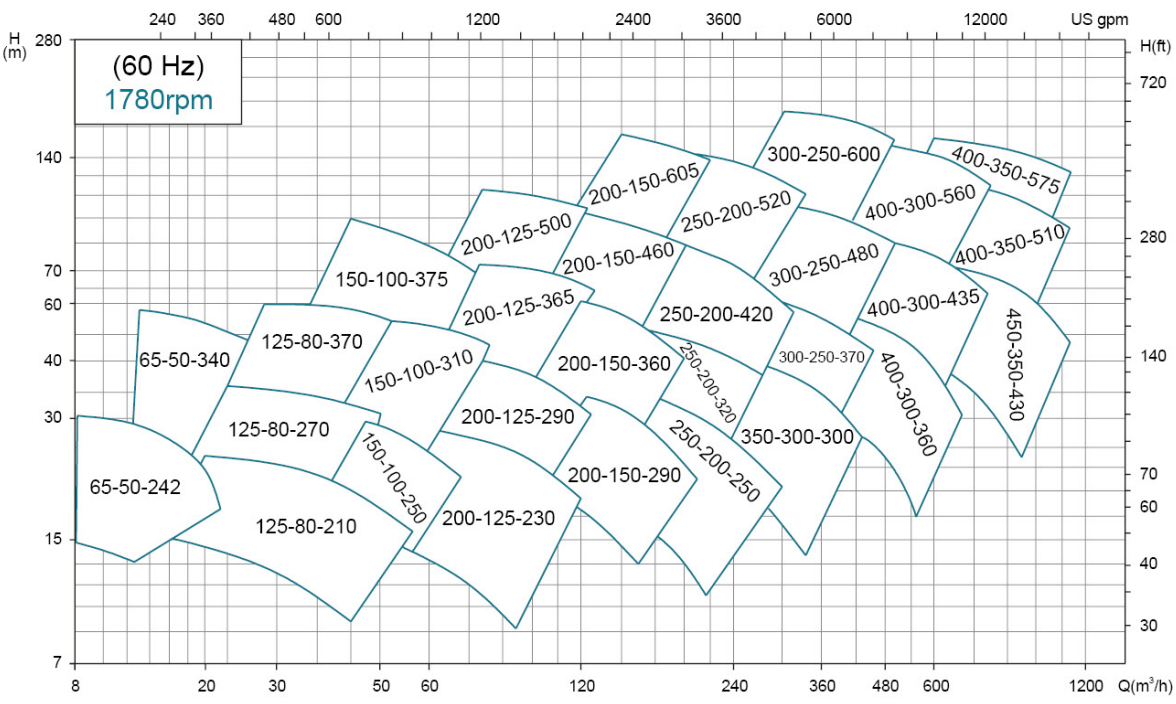
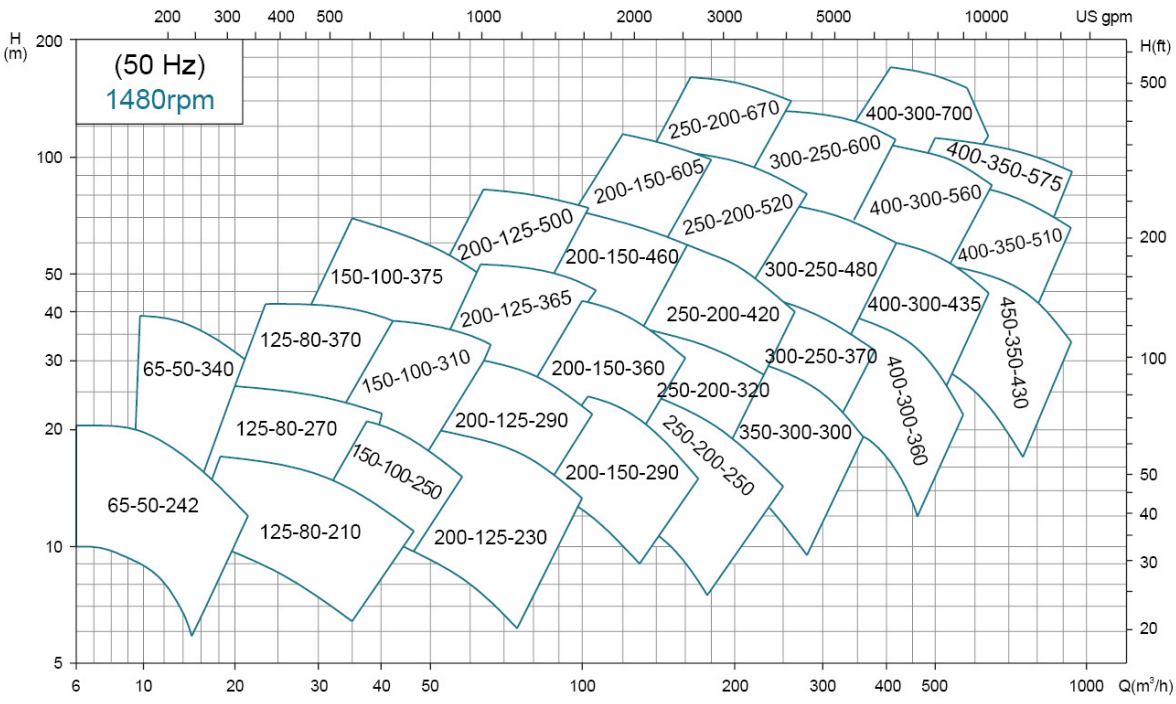
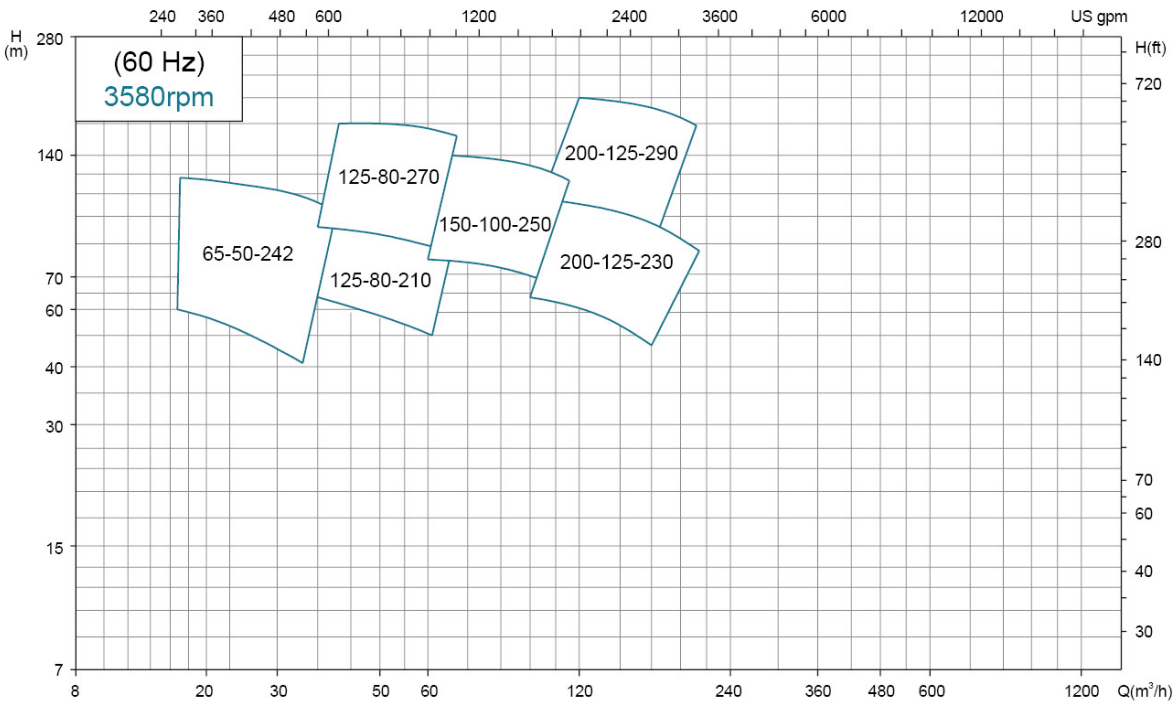
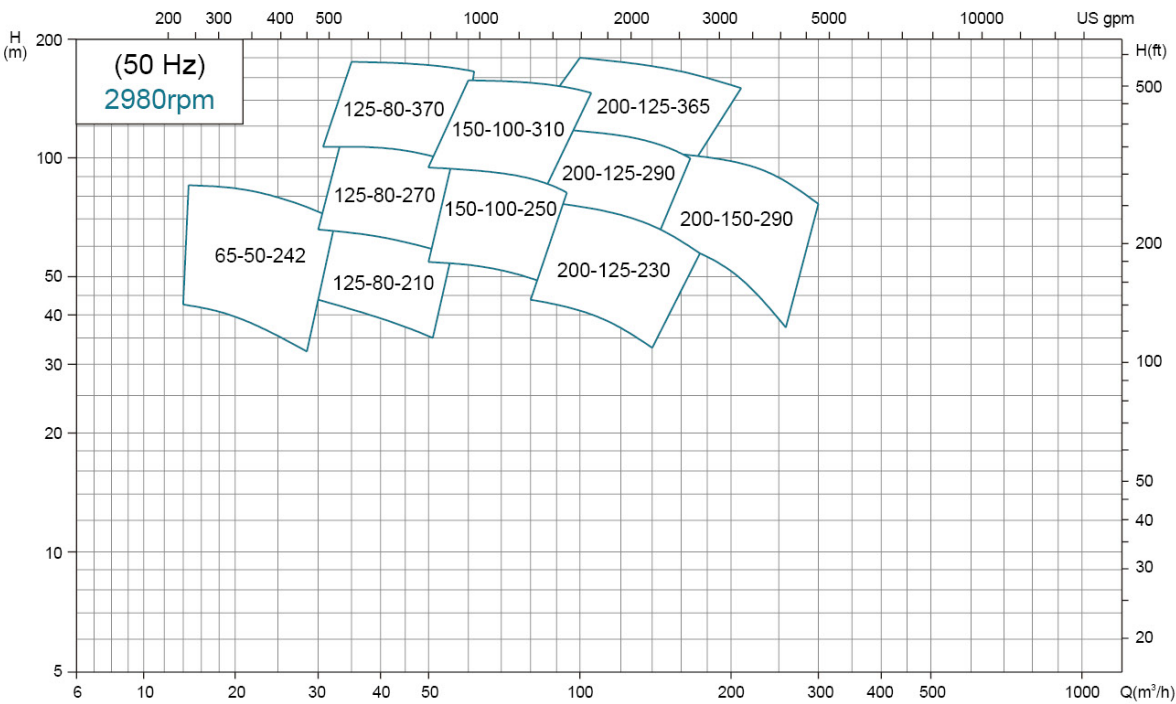


No.	Part	Materia
01	Pump body	HT200
		QT400-18
01.1	Sealing gasket	Asbestos Rubber
02	Pump cover	HT200
		QT400-18
03	Sealing ring	HT250
04	Impeller	H65
		QSn4-8
		HT200
05	Sealing support	H65
		QSn4-8
		HT200
06	Bearing cover	HT200
07	Drive end bearing hous	HT200
08	Bearing housing	HT200
09	Nut	35# Steel
09.1	Stop gasket	35# Steel
10	Bearing baffle	45# Steel
11	Sealing baffle	QT400-18
12	Mechanical seal gland	HT200

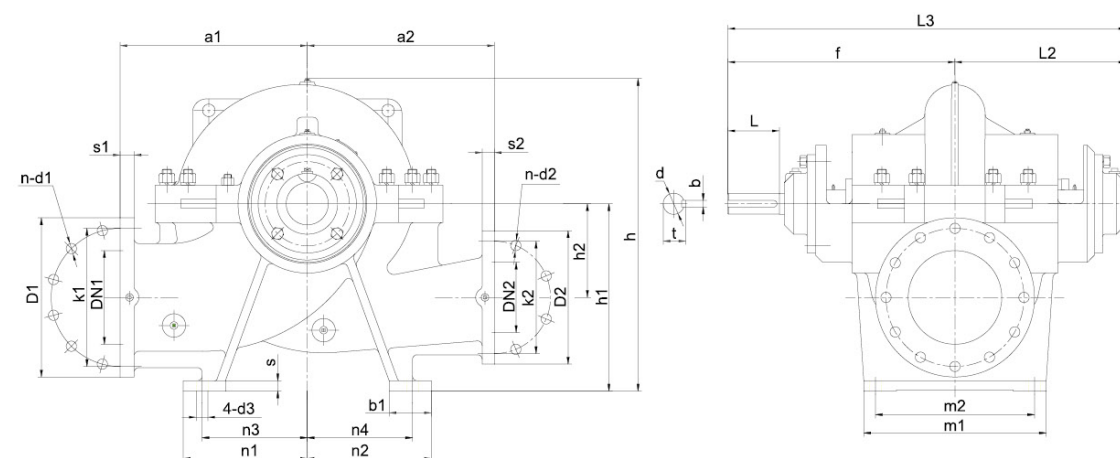
No.	Part	Materia
12.1	O-Ring	VITON
13	Mechanical seal	ASF
		#45 Steel
14	Shaft	2CR13
		AISI304
		AISI316
15	Short shaft sleeve	2Cr13
		#45 Steel
15.1	Shaft sleeve	2CR13
		AISI304
		AISI316
15.2	Packing sleeve	#45 Steel
		2CR13
		AISI304
		AISI316
16	Bearing pressure ring	Q235(A)
17	Packing pressure ring	Q235(A)
18	Packing ring	Q235(A)
19	Gland packing	Graphite
20	Gland cover	HT200

No.	Part	Materia
21	Water-proof ring	NBR
22	Bearing	NTN/NSK
23	O-ring	VITON
24	O-ring	VITON
25	O-ring	VITON
26	Oil felt	Wool
27	Gasket	65Mn
28	Key	45# Steel
29	Key	45# Steel
30	Bolt	35# Steel
31	Spring Gasket	65Mn
32	Nut	35# Steel
33	Pin	35# Steel
34	Nut	35# Steel
35	Bolt	35# Steel
36	Washer	35# Steel
37	Nut	35# Steel
38	Bolt	35# Steel
39	Plug	Q235(A)

Characteristic Curves

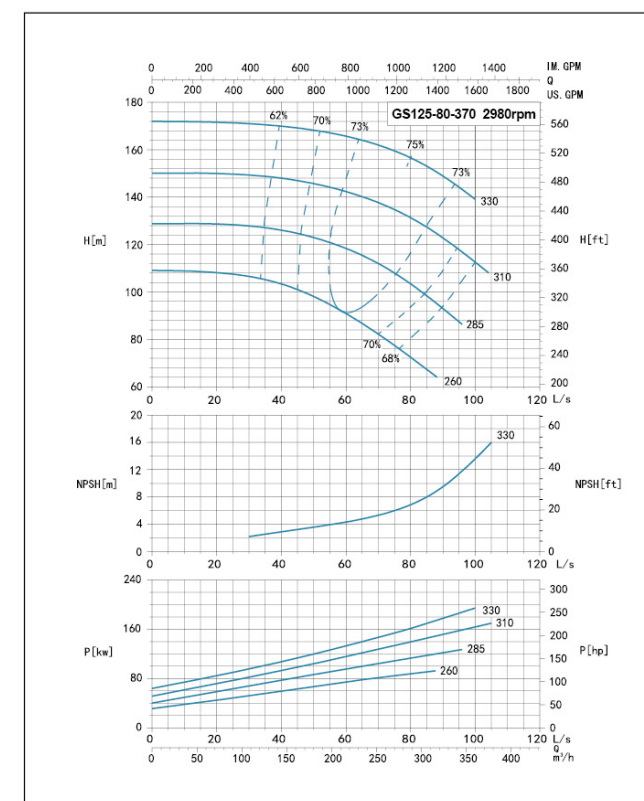
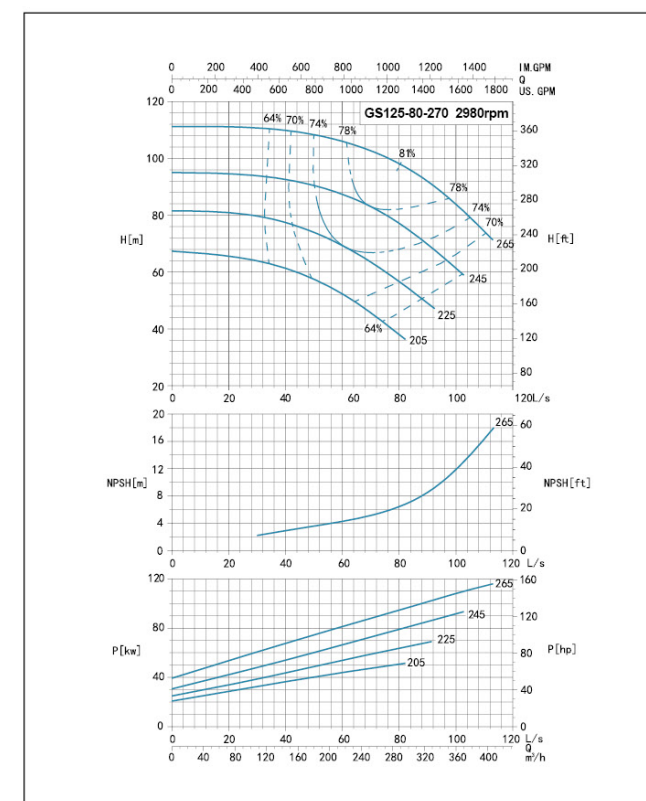
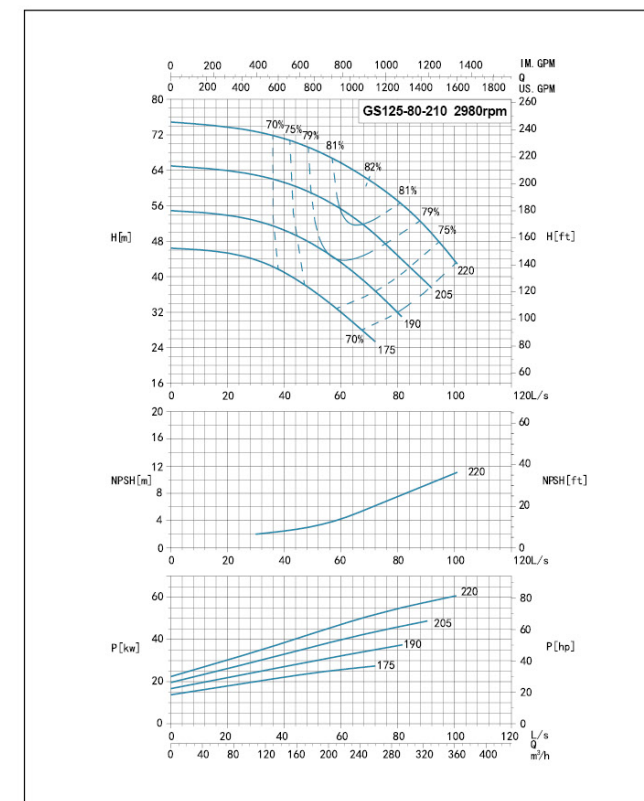
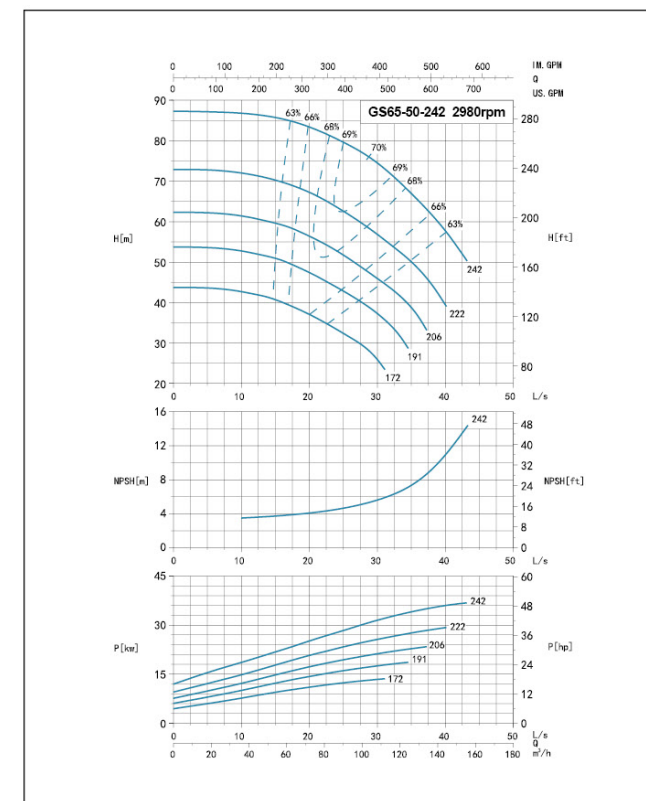


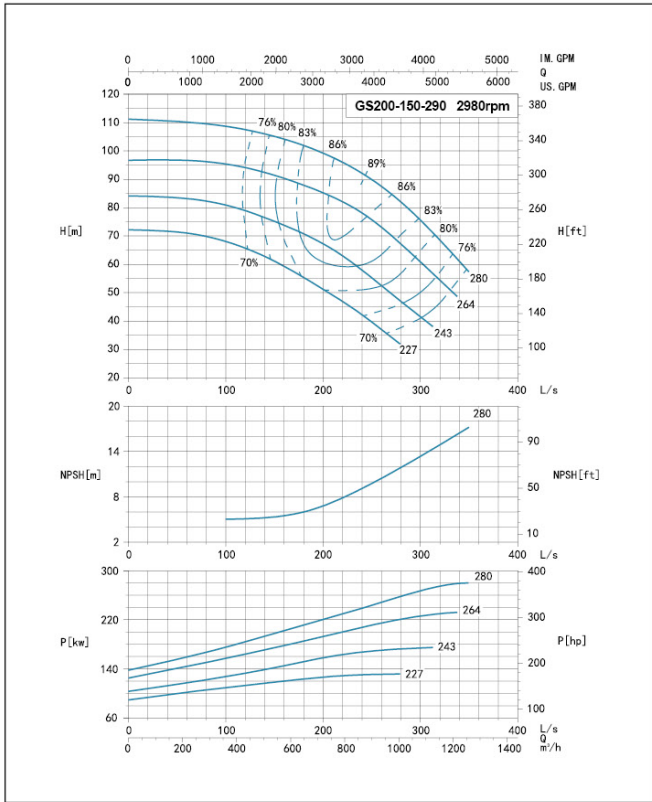
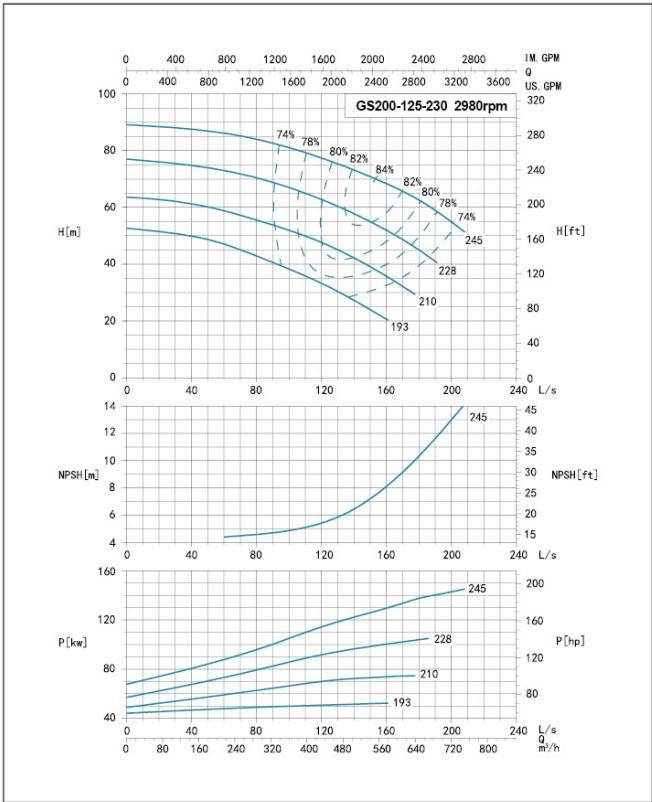
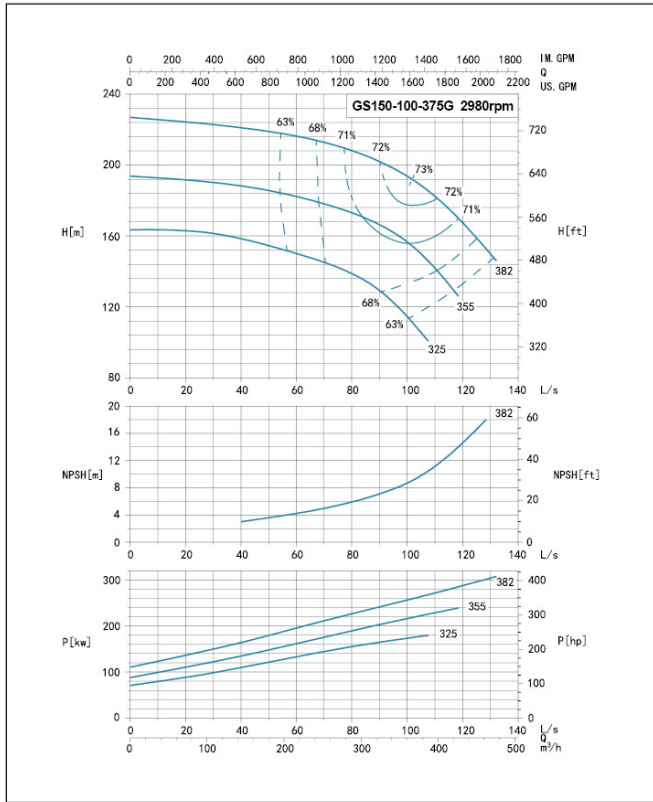
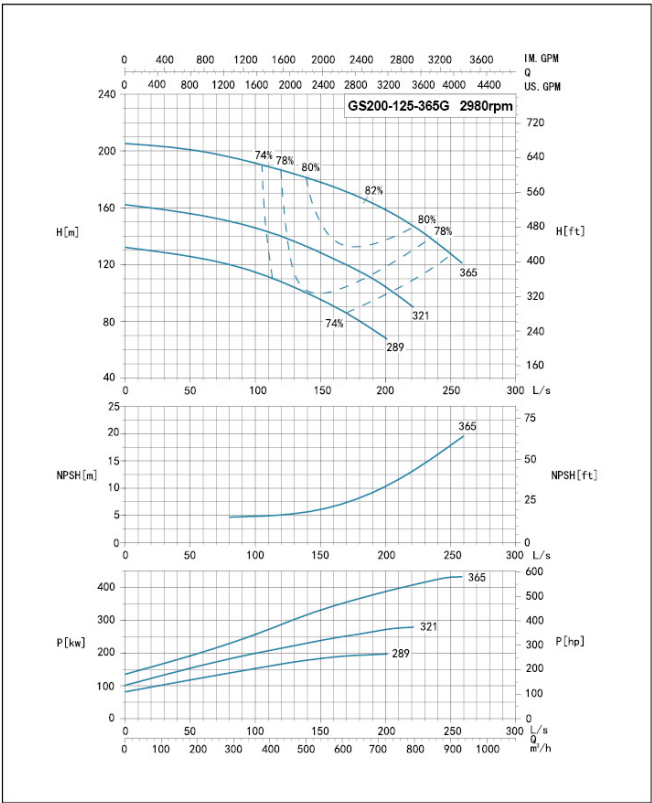
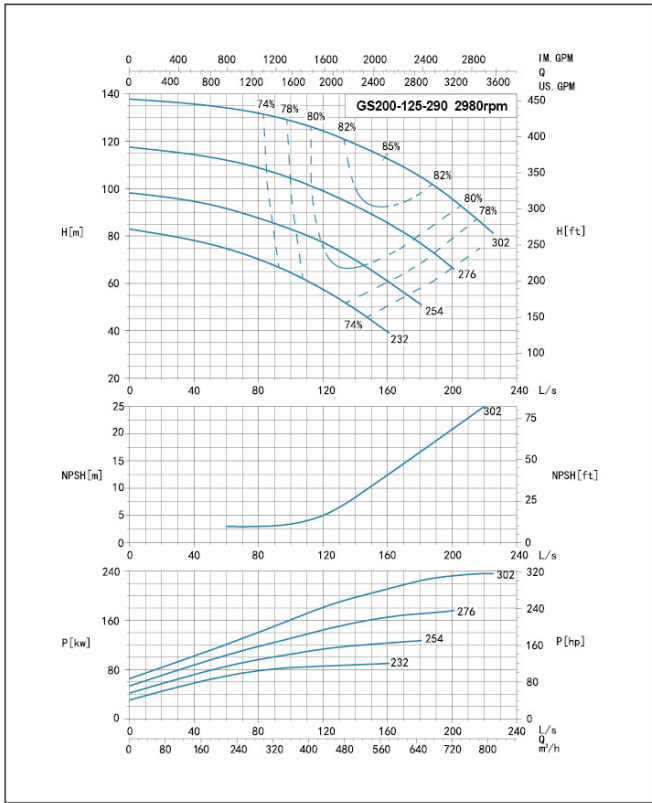
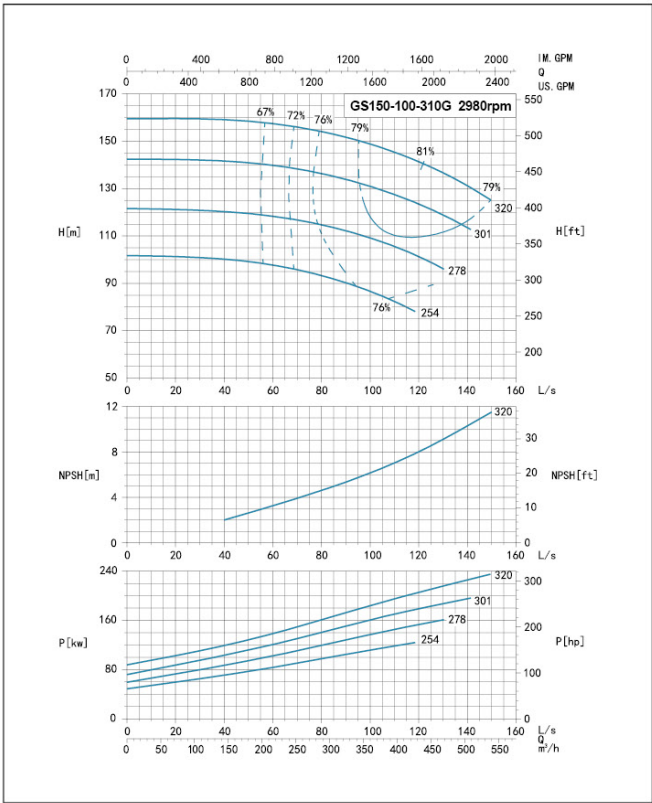
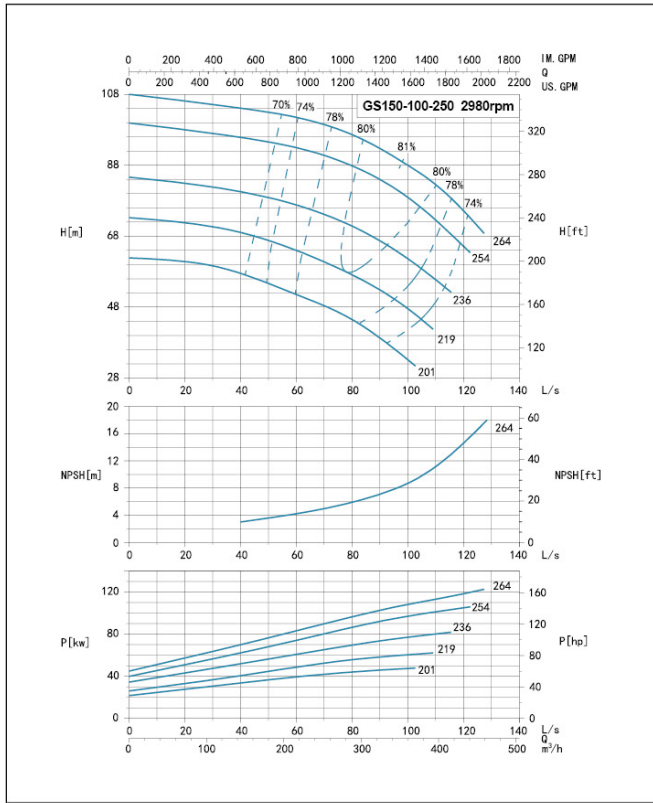
Installation Dimensions

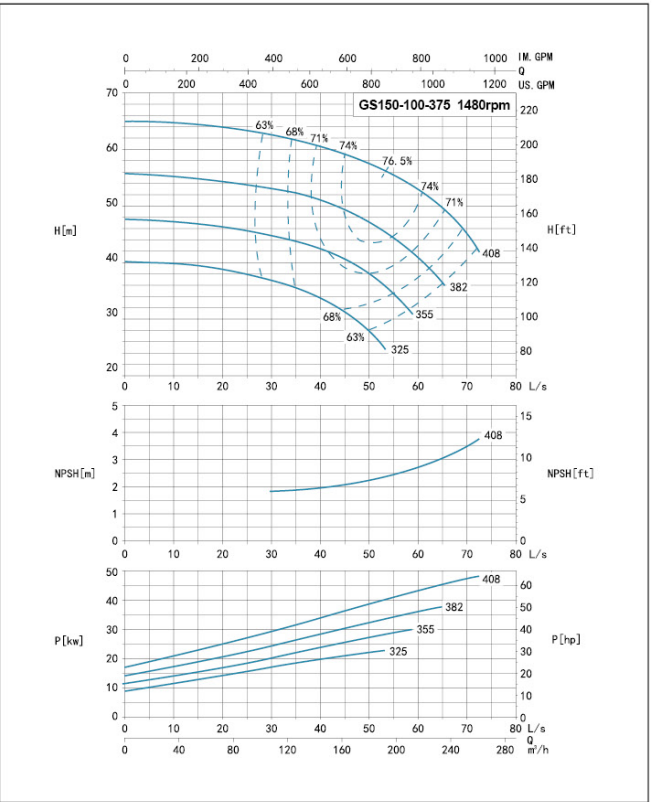
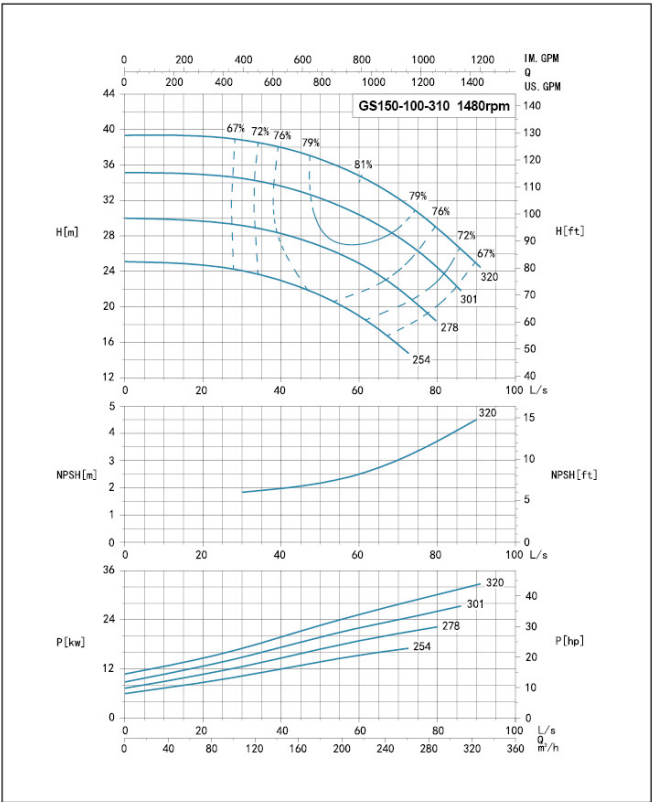
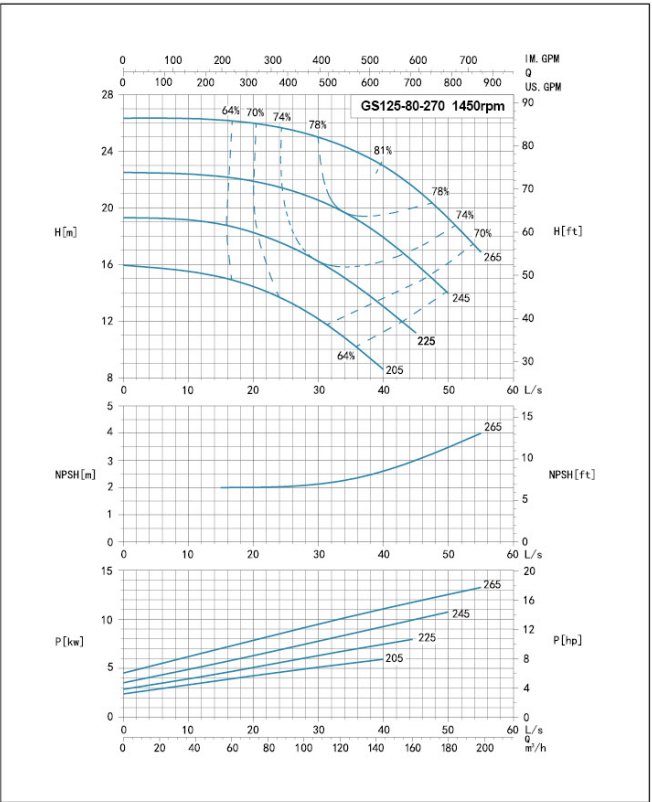
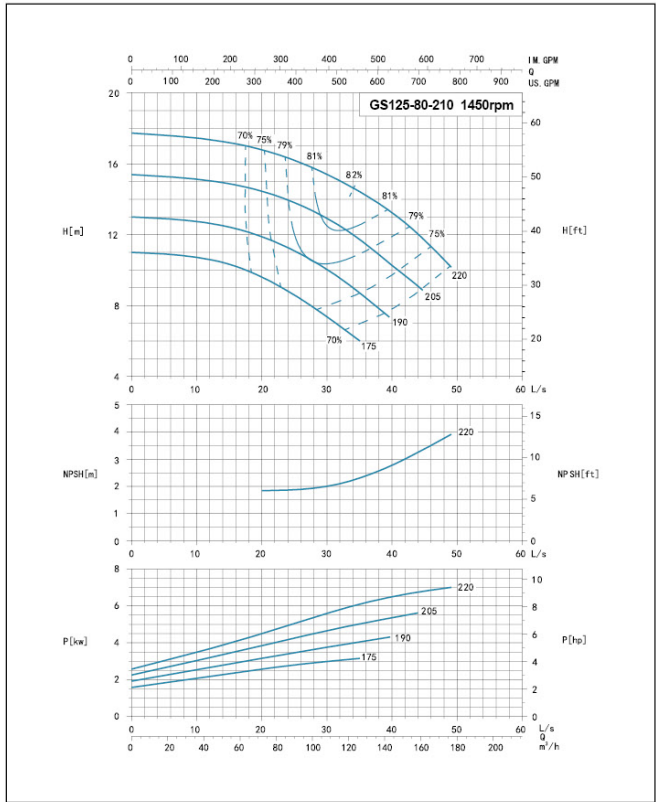
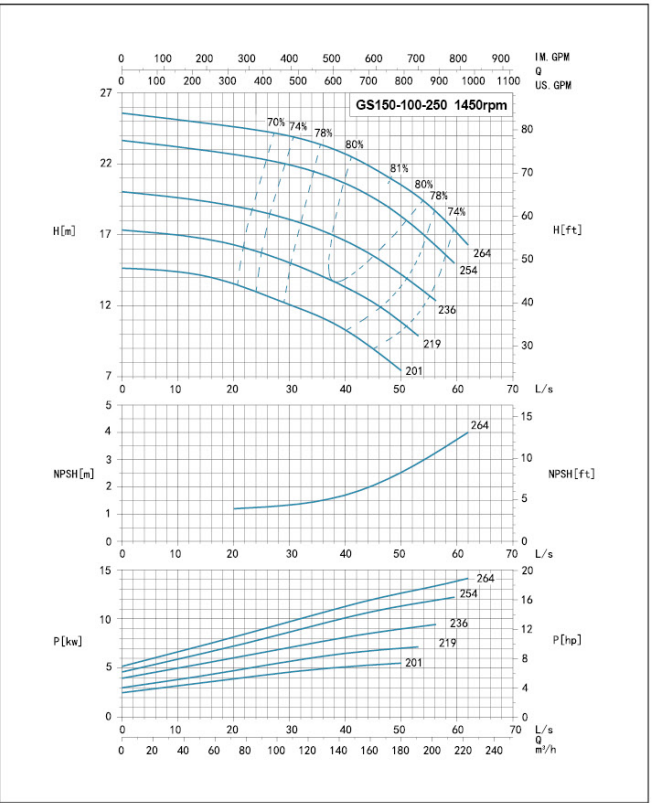
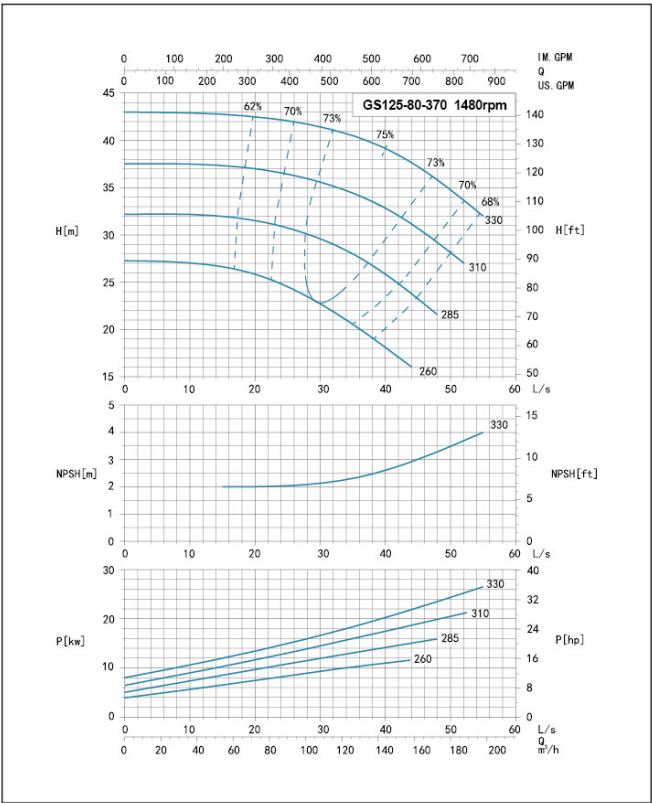
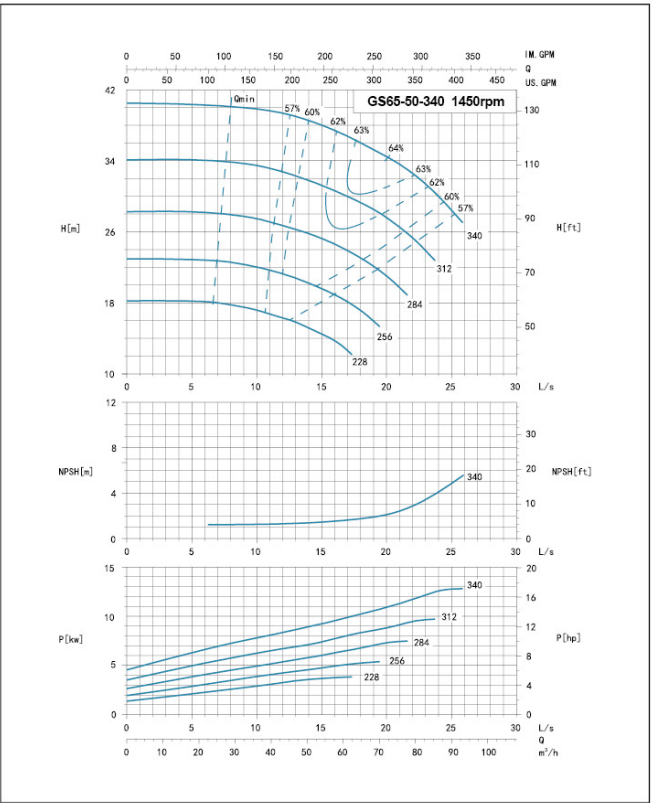
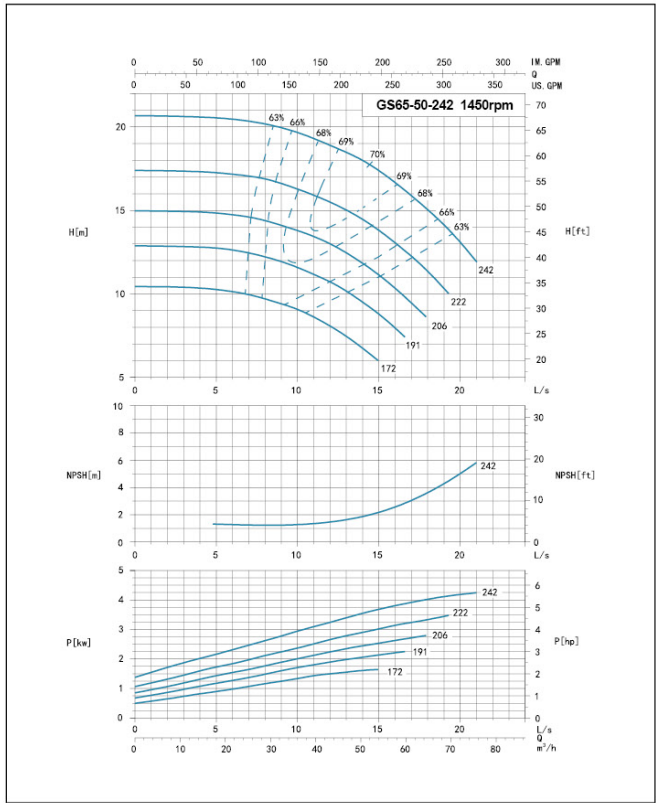


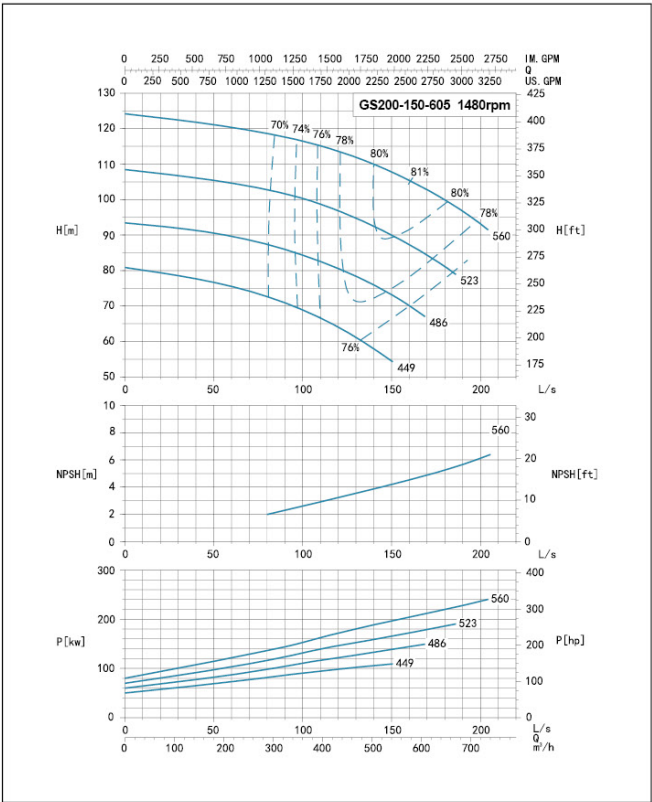
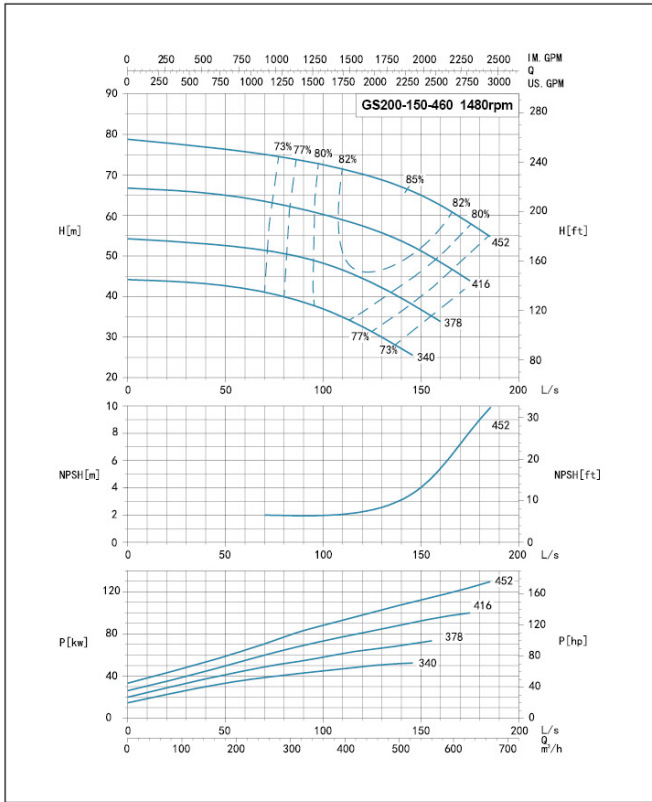
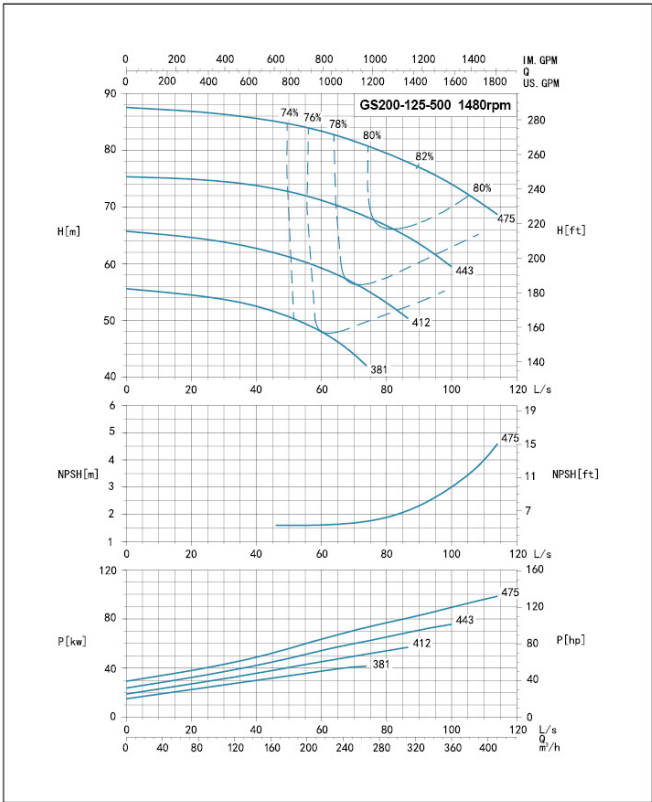
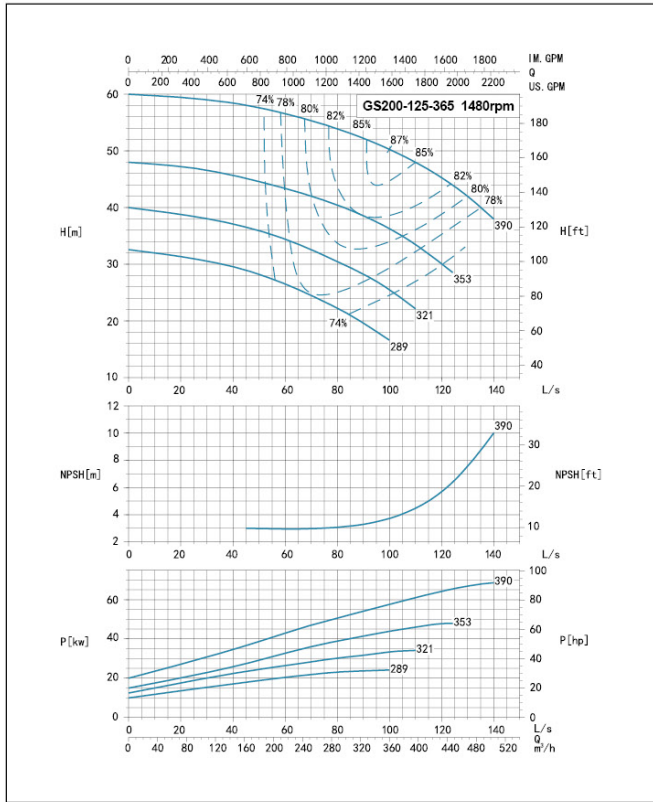
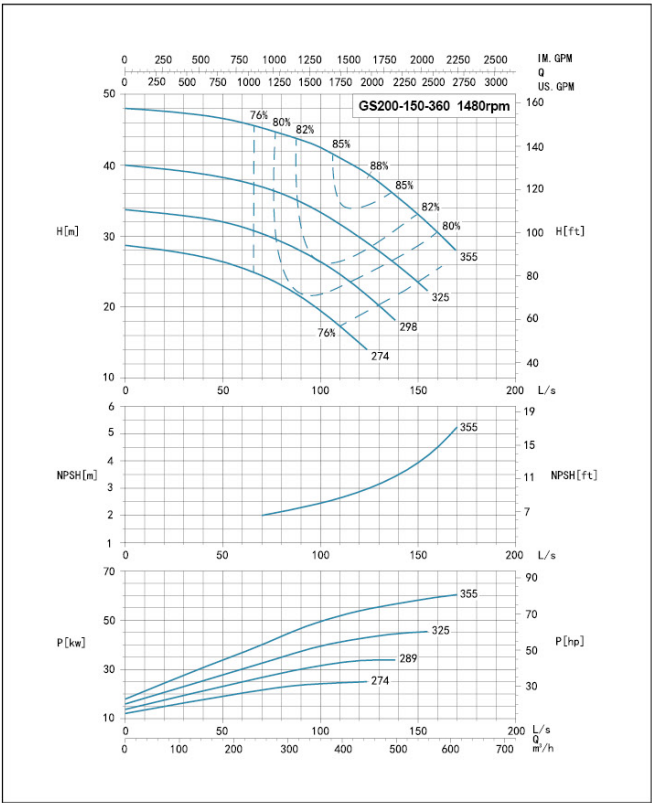
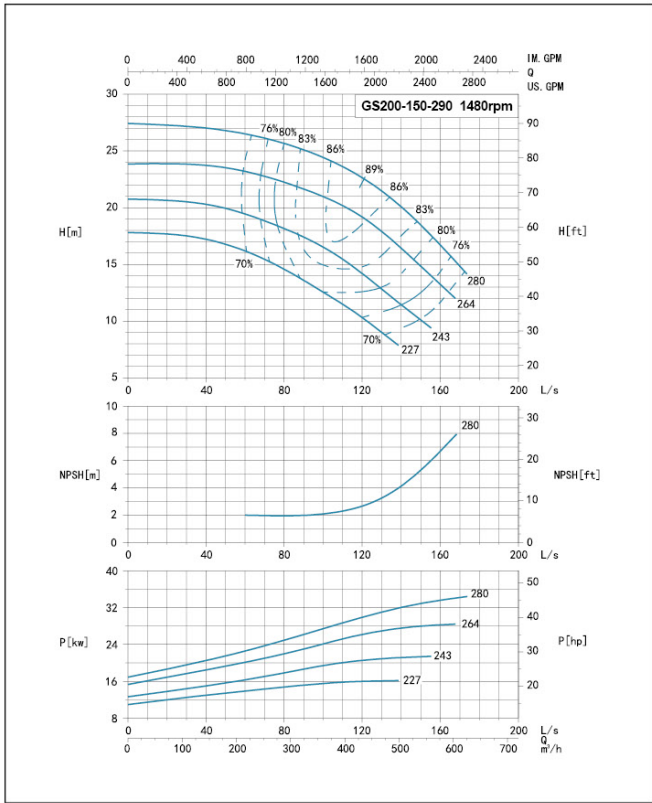
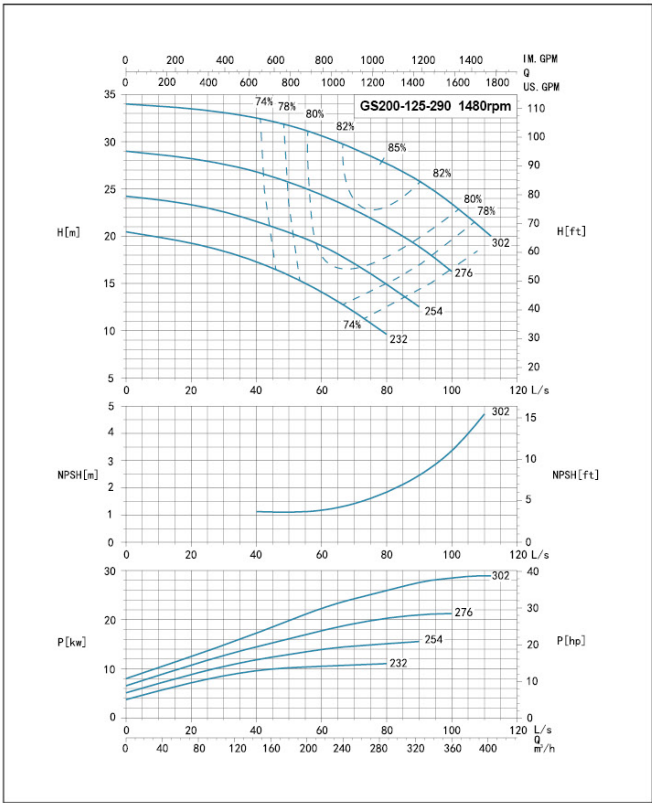
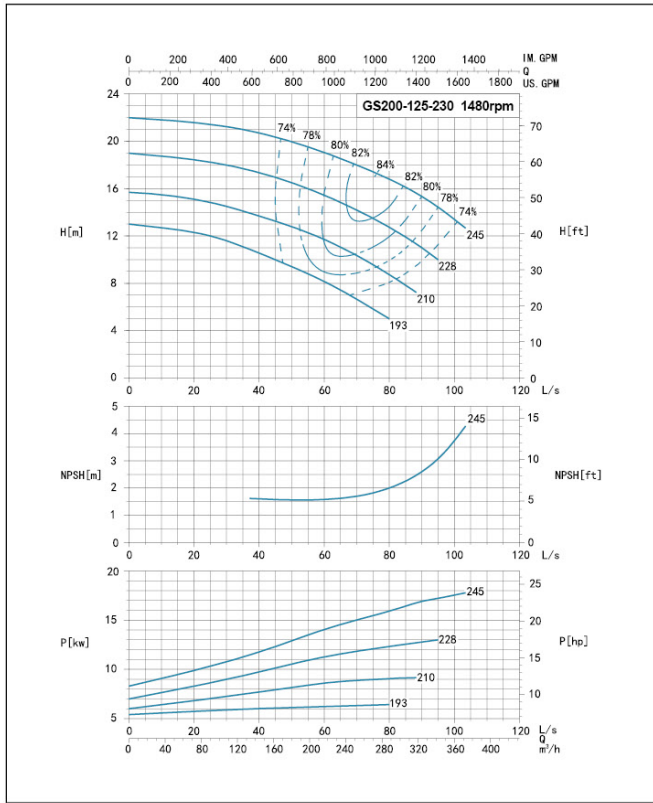
Model	Inlet/Outlet Dia.		Pump Dimension								Base Foot										Pump Shaft				N.W.
	DN1	DN2	a1	a2	f	L2	L3	h	h1	h2	m1	m2	n1	n2	n3	n4	b1	d3	s	d	b	L	t	kg	
GS65-50-242	65	50	216	216	305	237	542	345	178	89	222	178	152.5	152.5	130	130	60	Φ19	16	Φ24	8	65	27.3	76	
GS65-50-340			254	254				433	216	127														260	93
GS125-80-210	125	80	300	300	385	300	685	490	315	140	320	270	205	205	170	170	80	22	22	Φ34	10	80	37.3	179	
GS125-80-270			528	210				200									75							209	
GS125-80-370	150	100	330	330	385	300	685	570	355	170	320	270	235	235	200	200	80	22	22	Φ34	10	80	37.3	209	
GS150-100-250								605									209								
GS150-100-310			620	257																					
GS150-100-375			605	245																					
GS150-100-310G			620	263																					
GS150-100-375G			620	260																					
GS200-125-230	200	125	370	370	485	365	850	620	400	200	390	340	265	265	225	225	90	Φ25	26	26	Φ44	12	110	47.3	309
GS200-125-290								635																	293
GS200-125-365								665																	311
GS200-125-290G								635																	310
GS200-125-365G								665																	332
GS200-125-500								720																	414
GS200-150-290		150	400	400	485	365	850	660	400	210	390	340	265	265	225	225	90	Φ25	22	22	Φ49	14	110	52.3	338
GS200-150-360								670																	350
GS200-150-460								710																	418
GS200-150-605								885																	755
GS250-200-250								793																	450
GS250-200-320								805																	506
GS250-200-420	250	200	450	450	540	420	960	830	500	240	480	430	315	315	280	280	85	Φ25	25	Φ54	16	58.3	68.4	551	
GS250-200-520								925																700	
GS250-200-670								1055																1218	
GS300-250-280								955																550	
GS300-250-370								975																719	
GS300-250-480								985																906	
GS300-250-600	1060	1116																							
GS350-300-300	350	300	550	500	629	479	1108	1010	630	300	500	400	400	400	350	350	100	Φ30	30	30	Φ64	18	145	68.4	792
GS400-300-435								1072																	947
GS400-300-560								1140																	1301
GS400-300-700								1255																	1640
GS400-300-360								1100																	1077
GS450-350-430								1200																	1445
GS400-350-510	400	350	700	650	785	605	1390	1200	750	400	620	630	525	525	475	475	110	Φ30	40	Φ84	22	180	89.4	1456	
GS400-350-575								1400																1900	

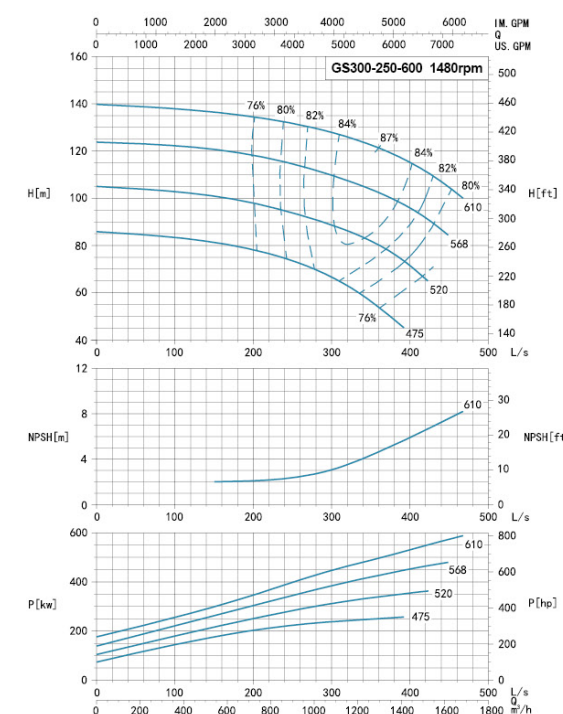
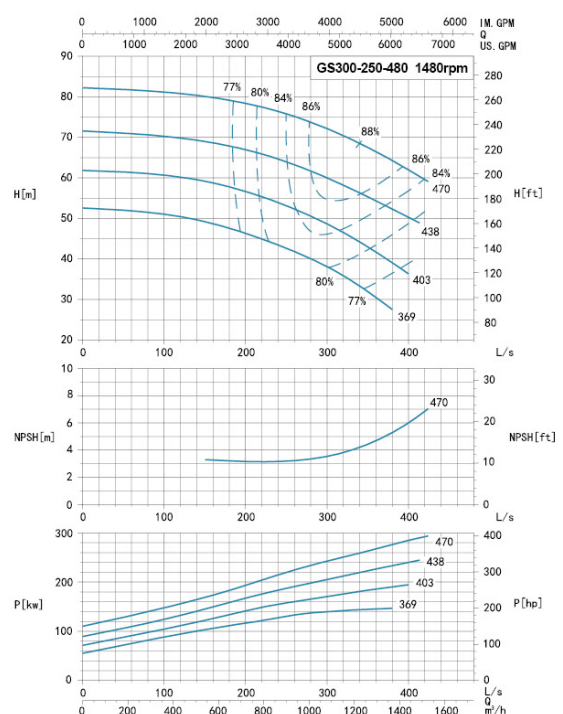
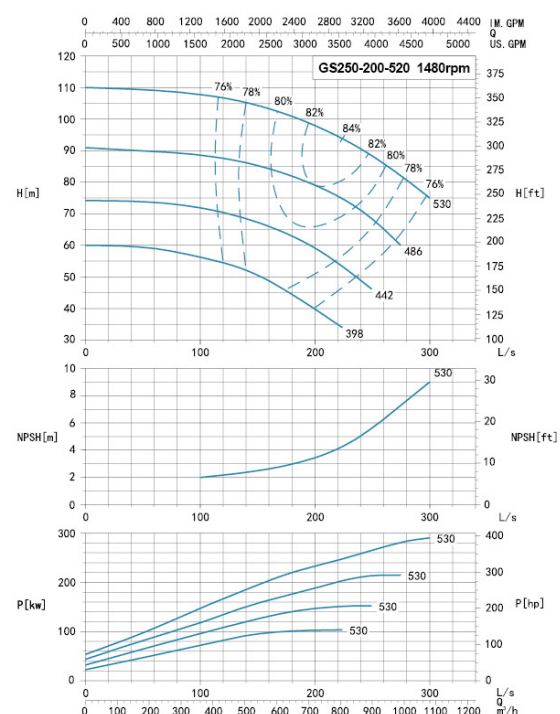
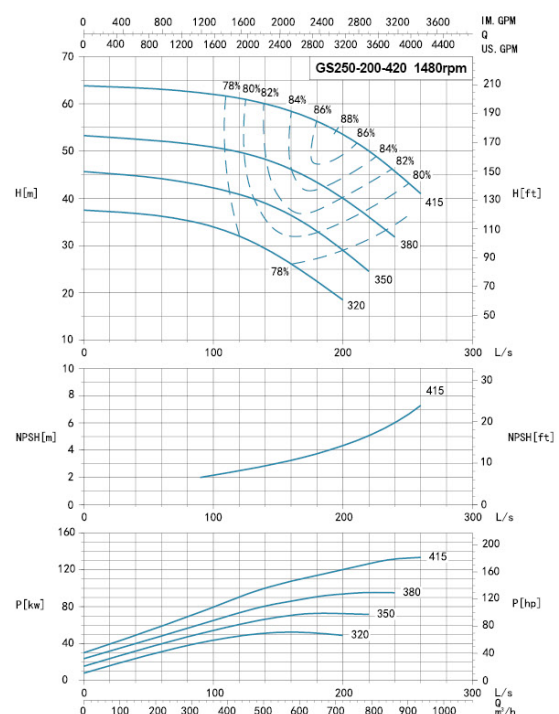
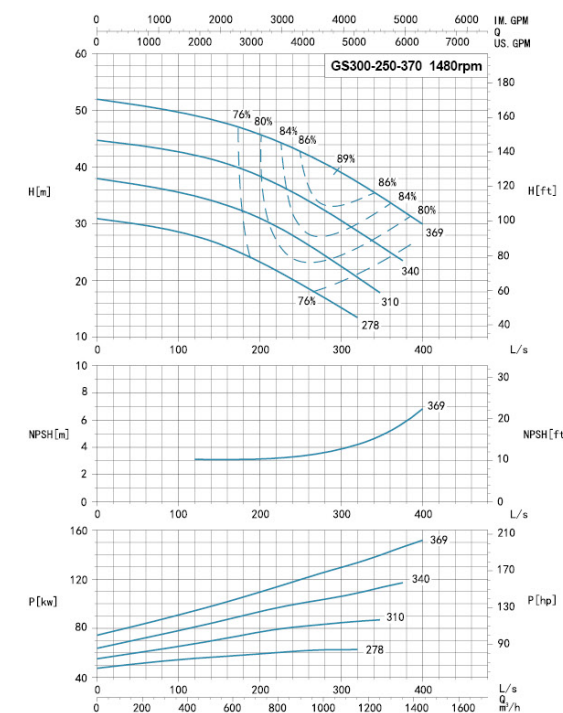
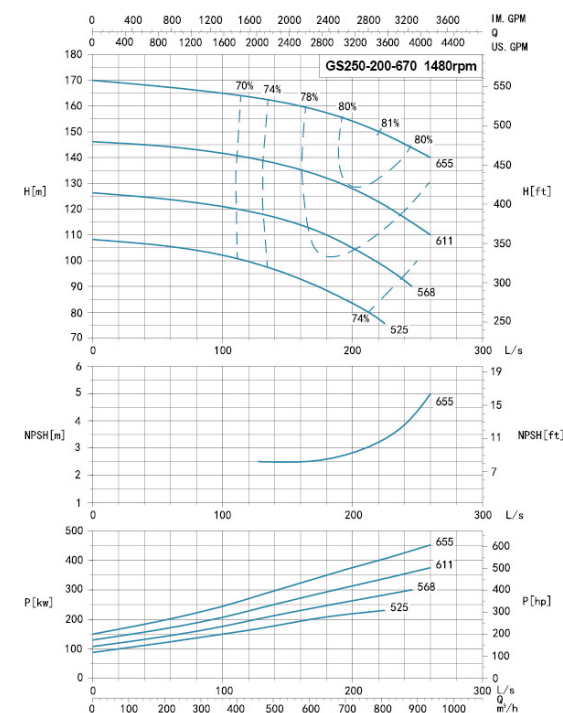
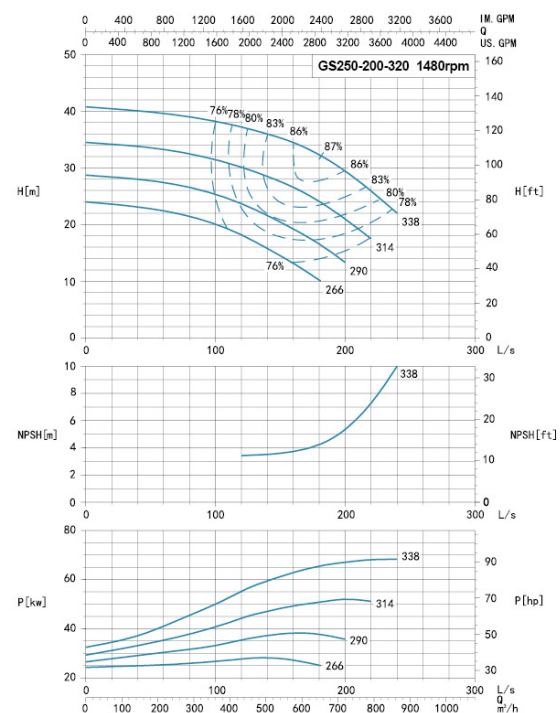
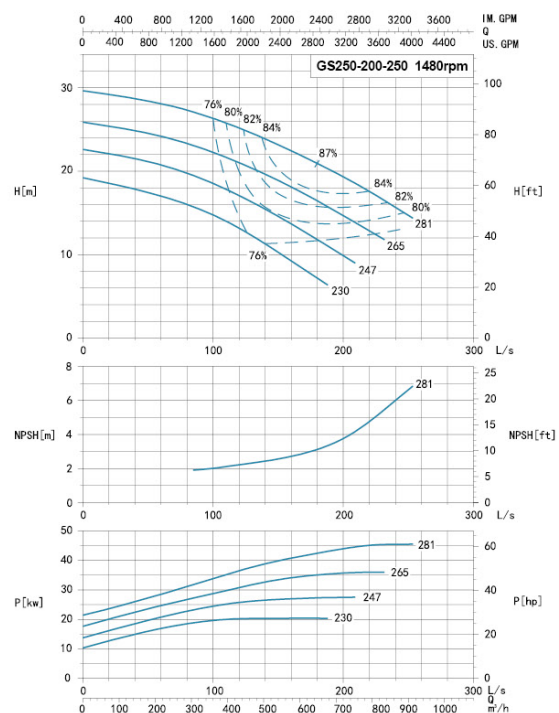
DIN2501 PN16, GB/T172416 PN16												
50	65	80	100	125	150	200	250	300	350	400	450	600
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4 - Φ17.5	4 - Φ17.5	8 - Φ17.5	8 - Φ17.5	8 - Φ17.5	8 - Φ22	12 - Φ22	12 - Φ26	12 - Φ26	16 - Φ26	16 - Φ30	20 - Φ30	20 - Φ36

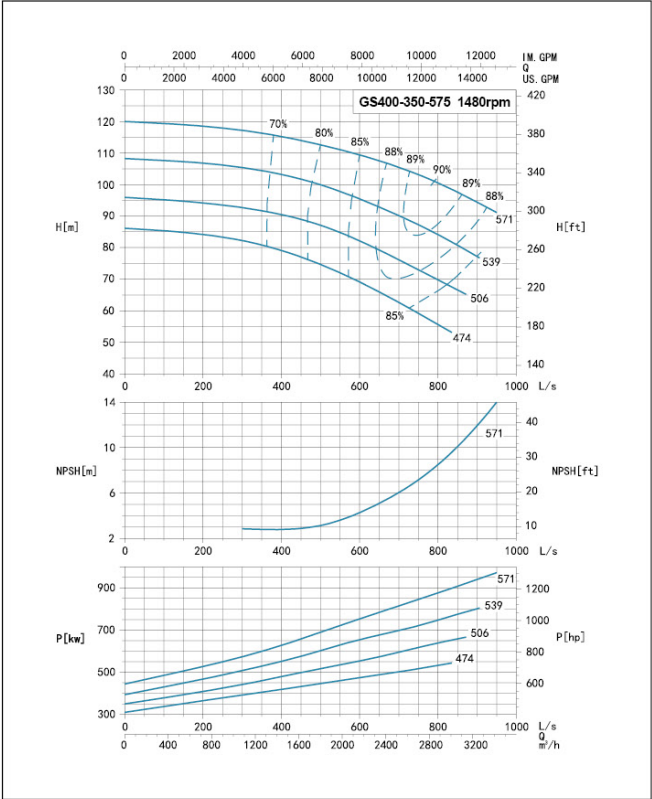
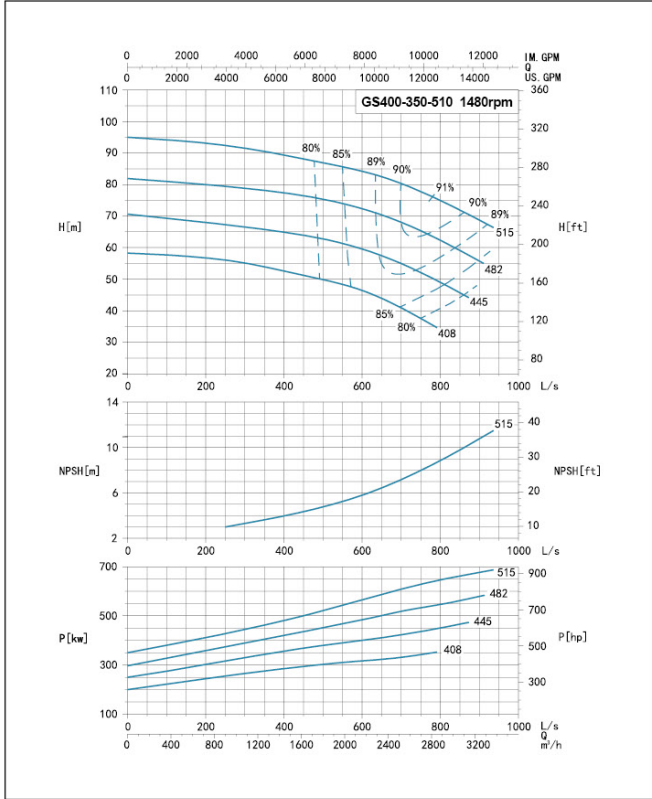
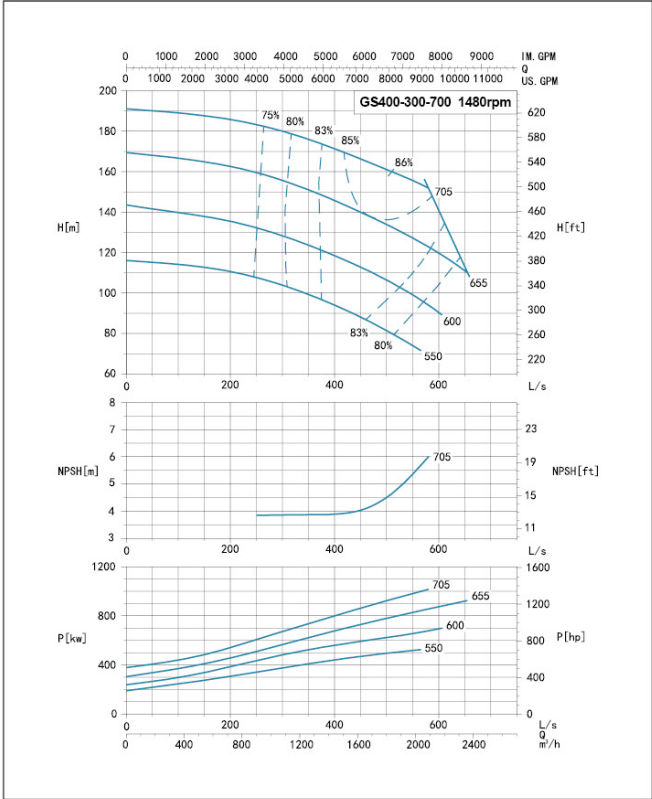
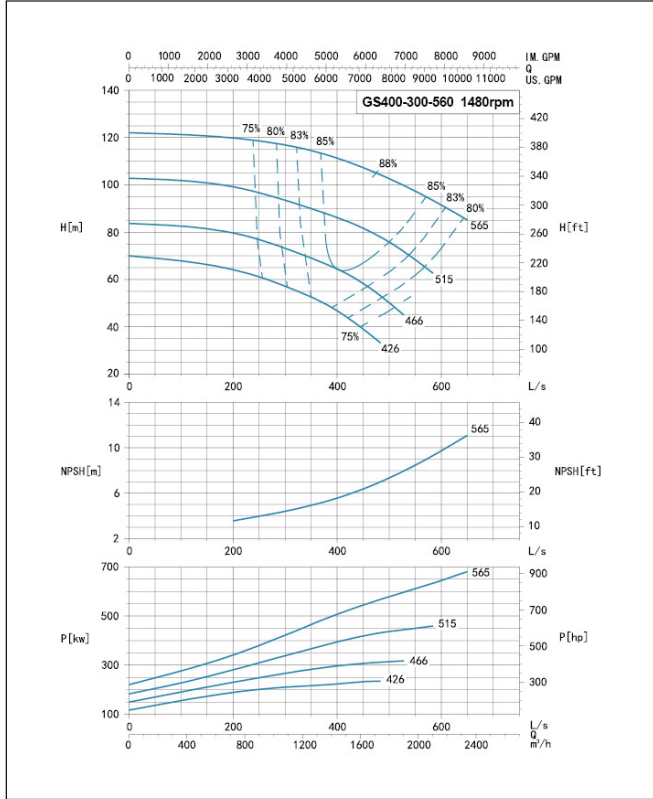
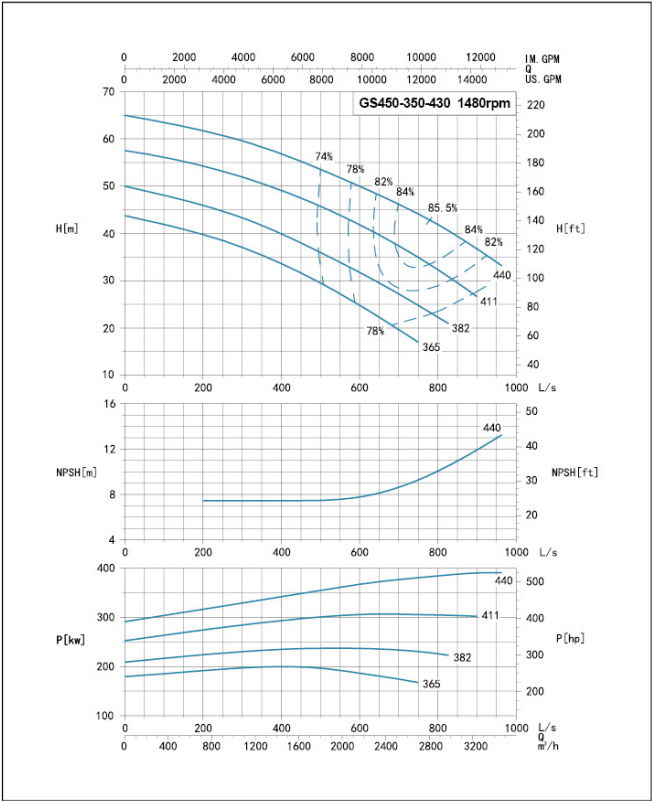
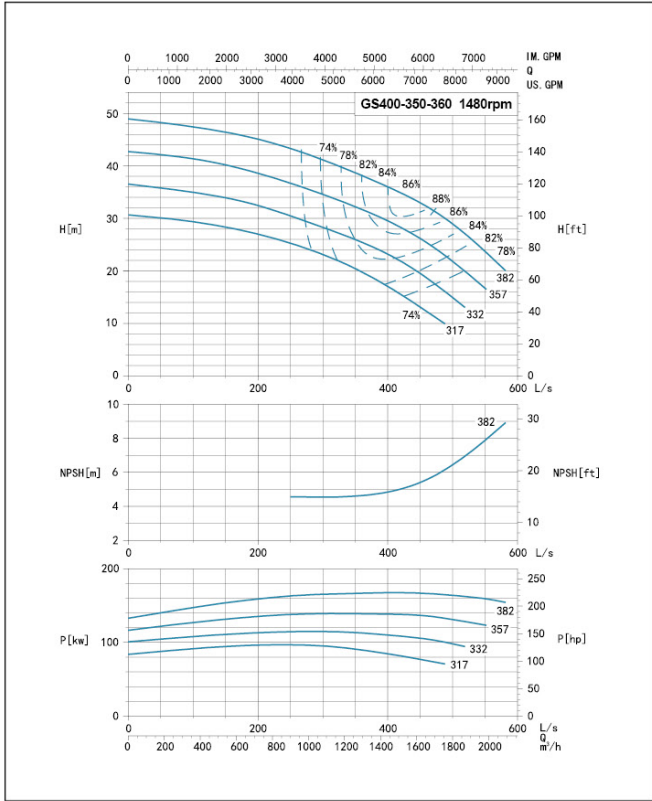
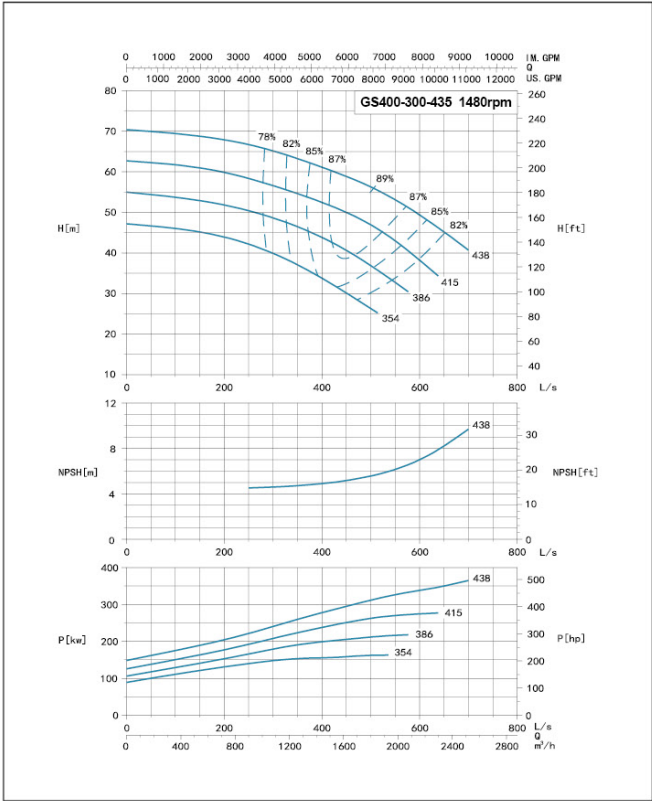
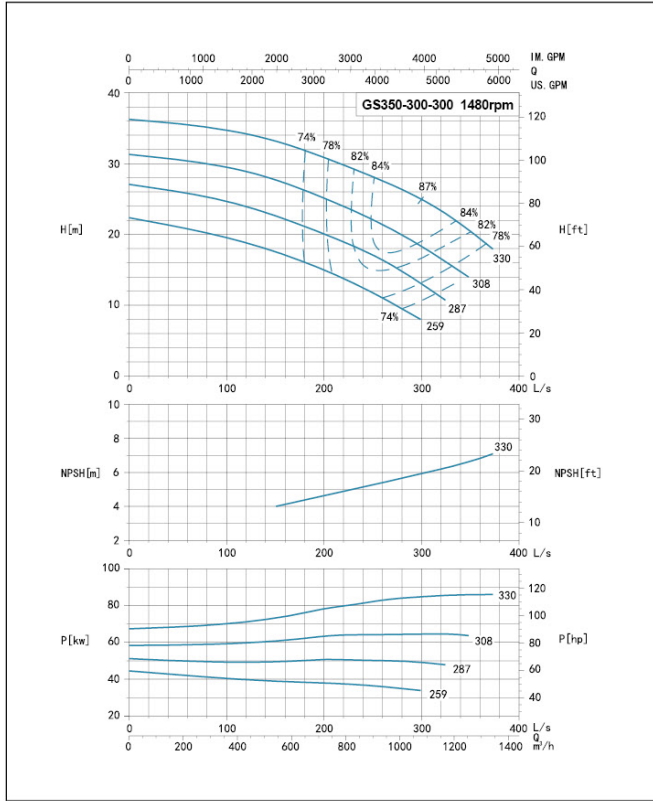


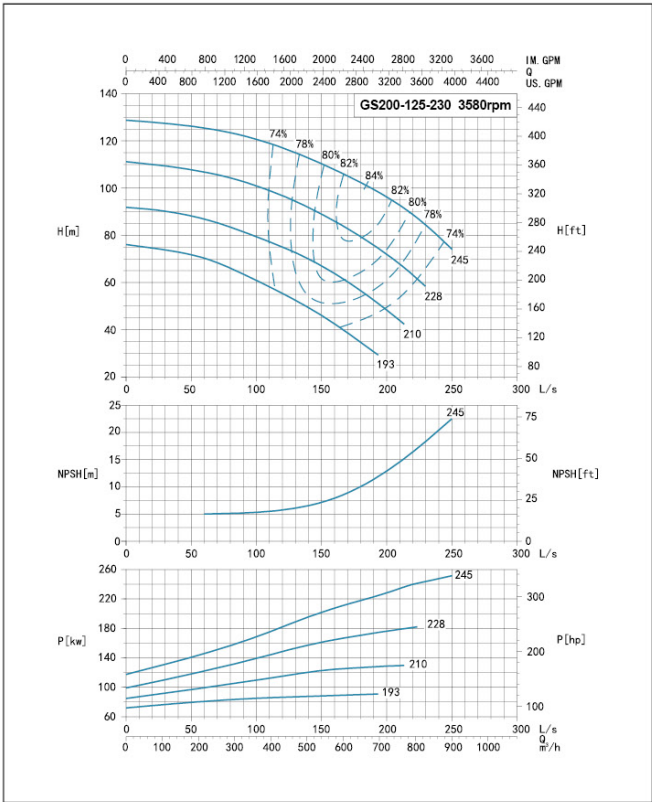
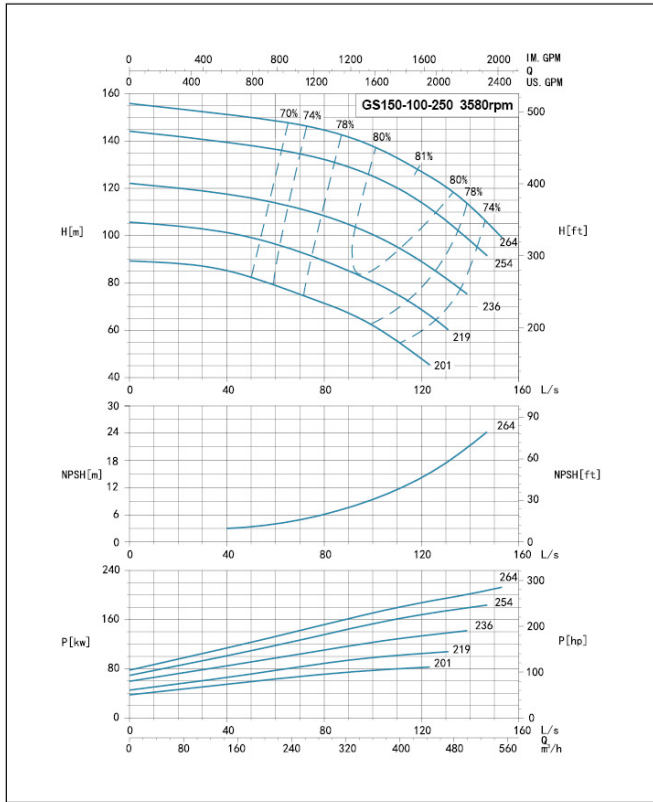
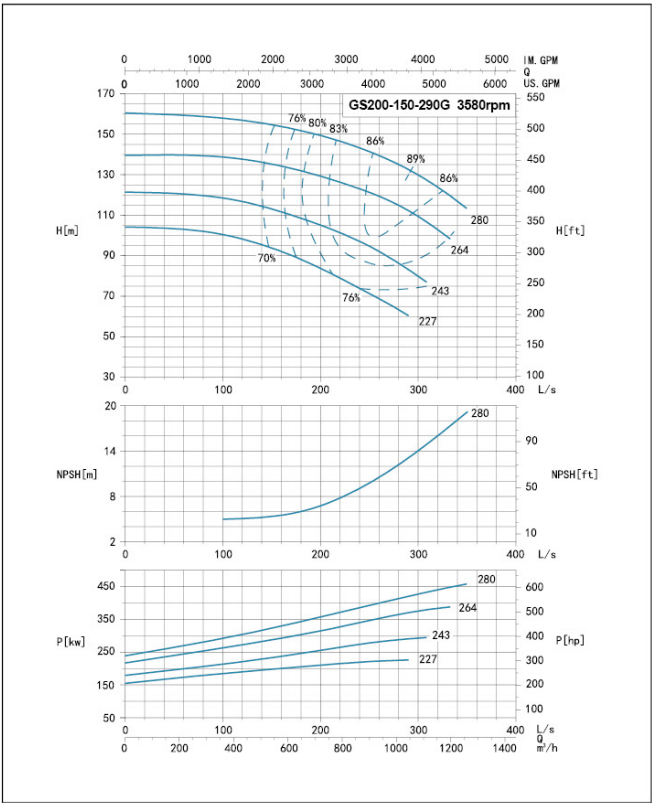
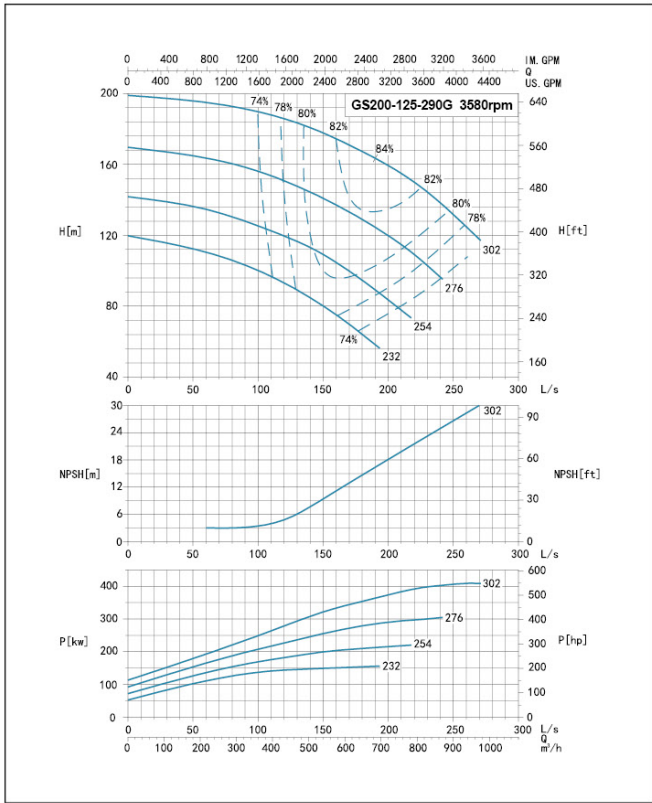
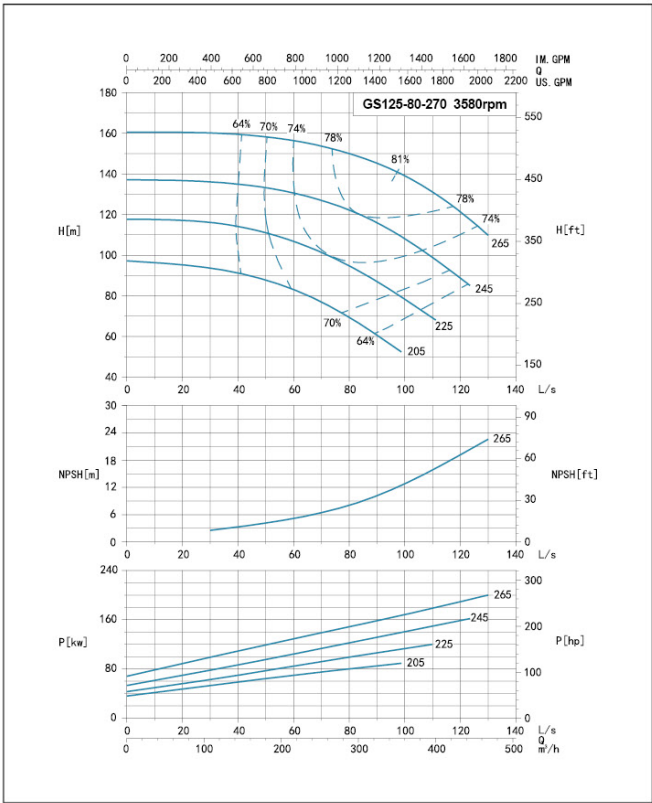
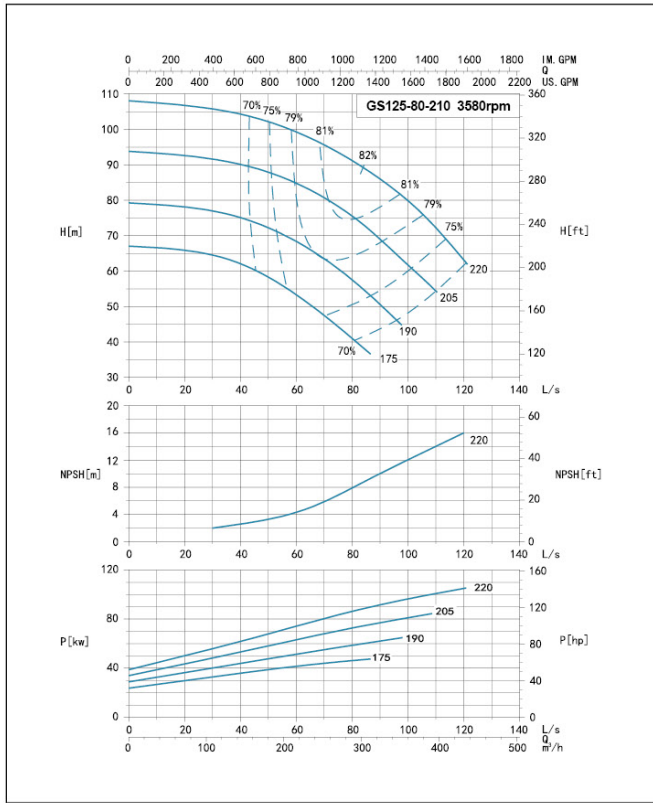


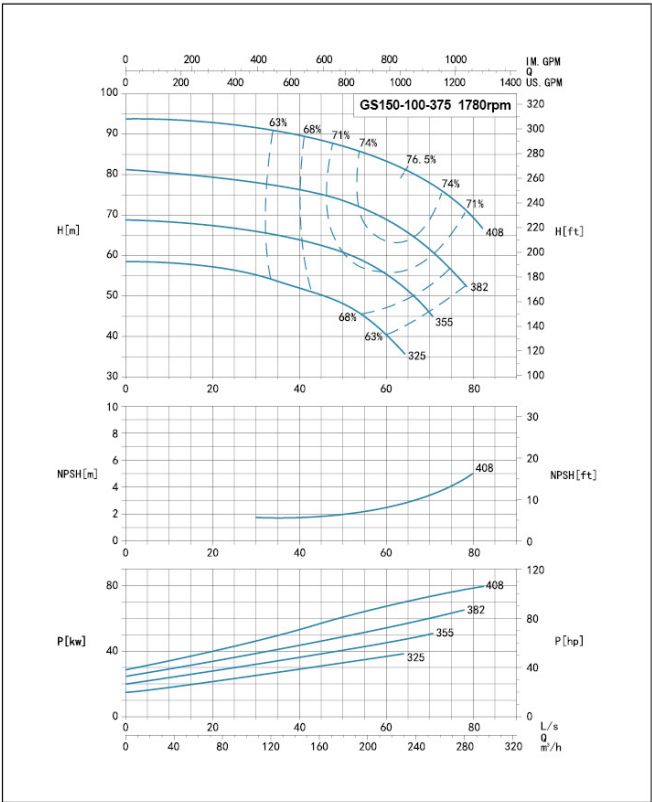
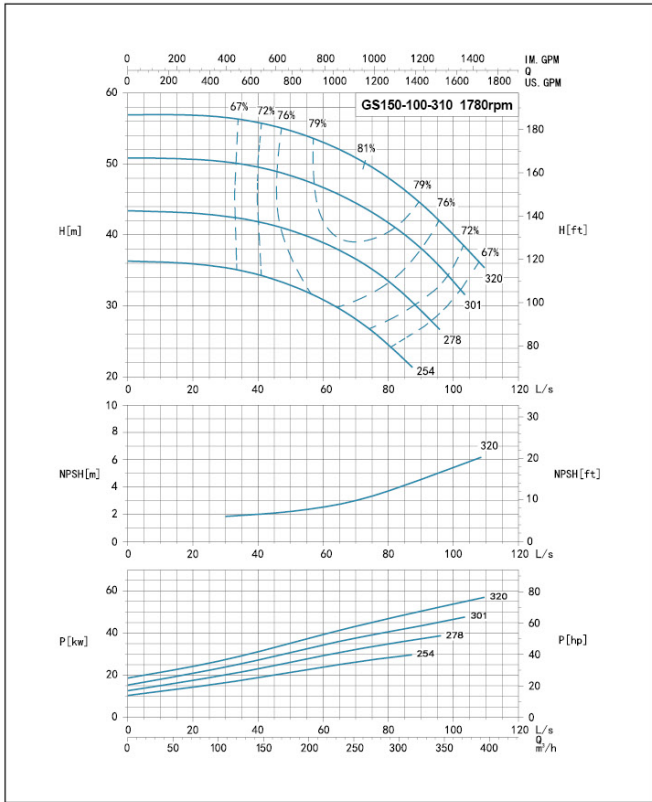
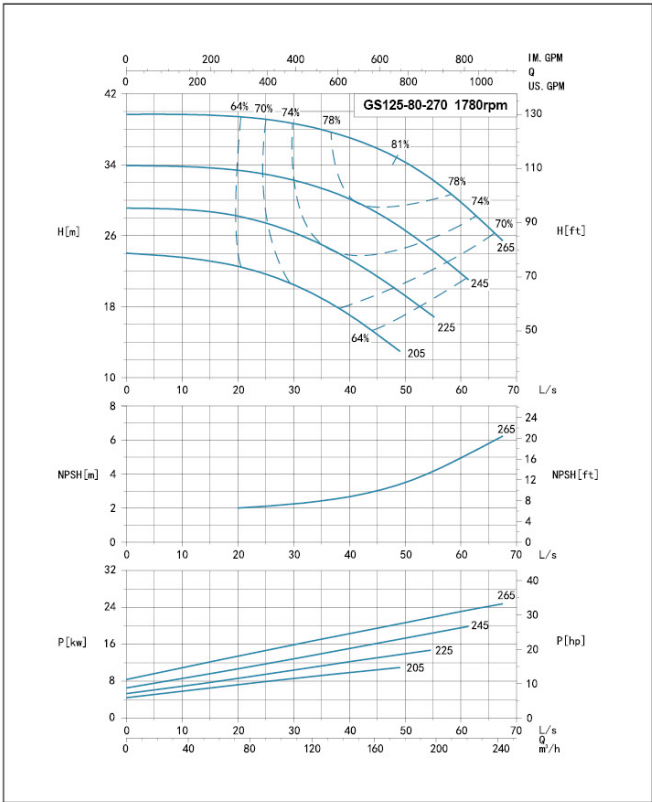
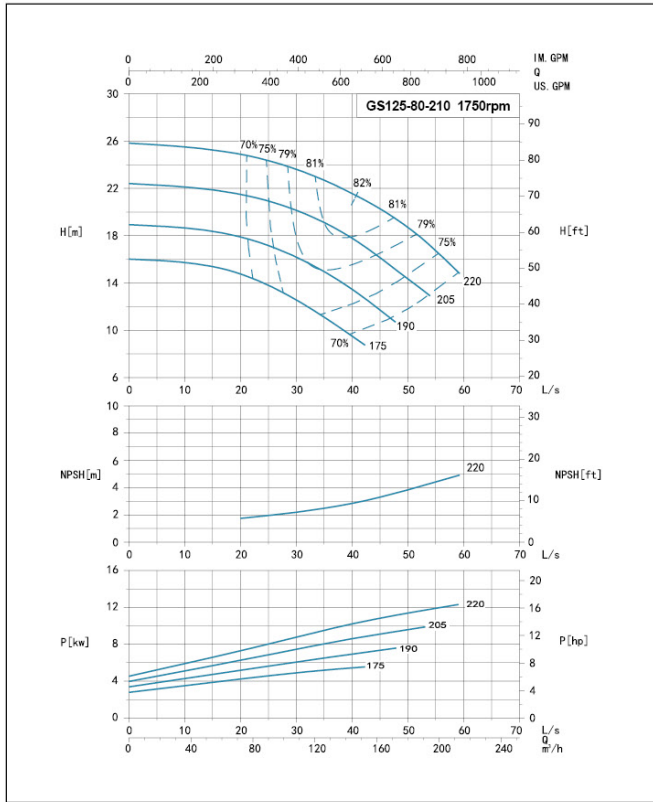
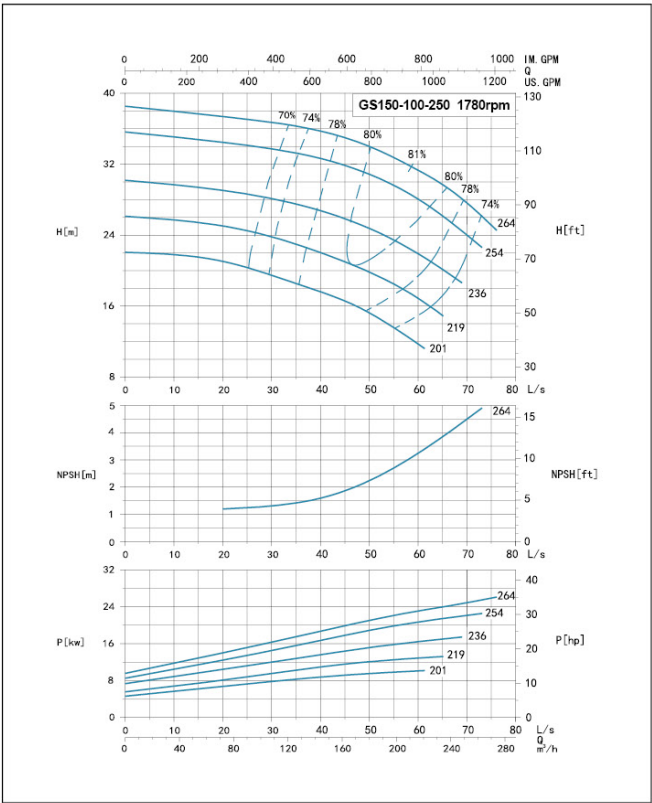
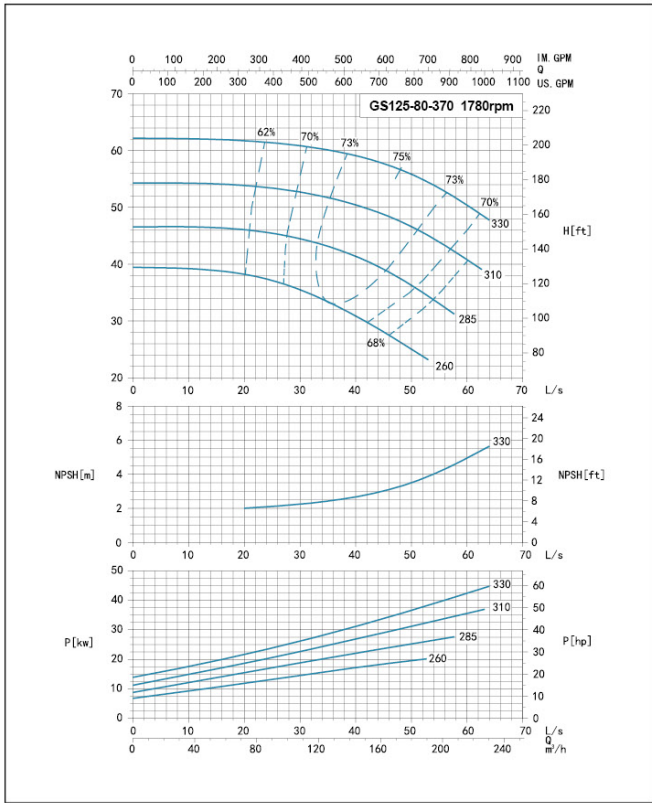
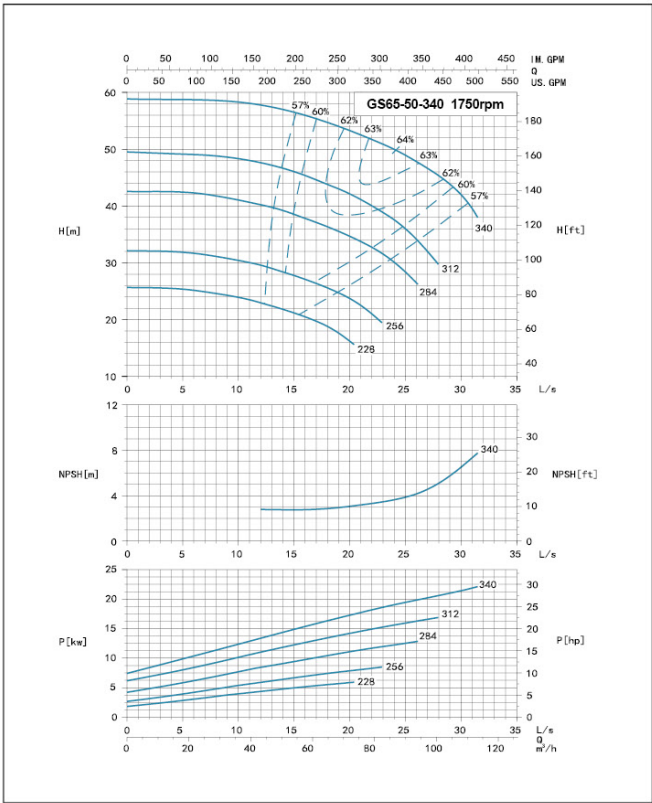
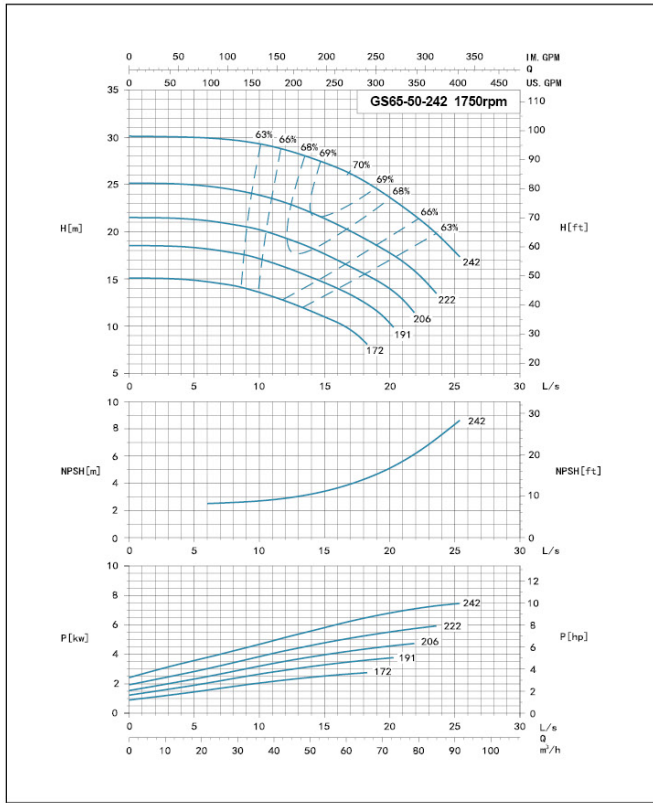


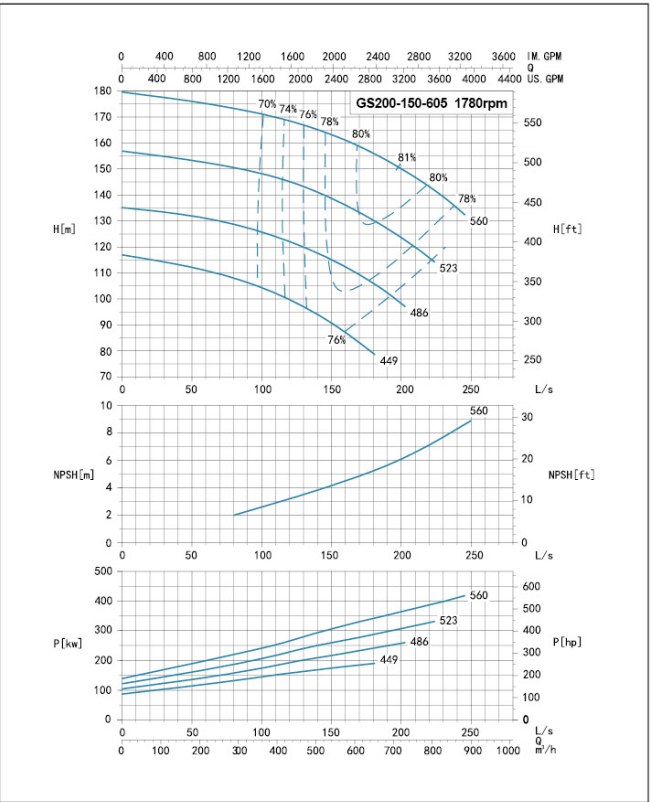
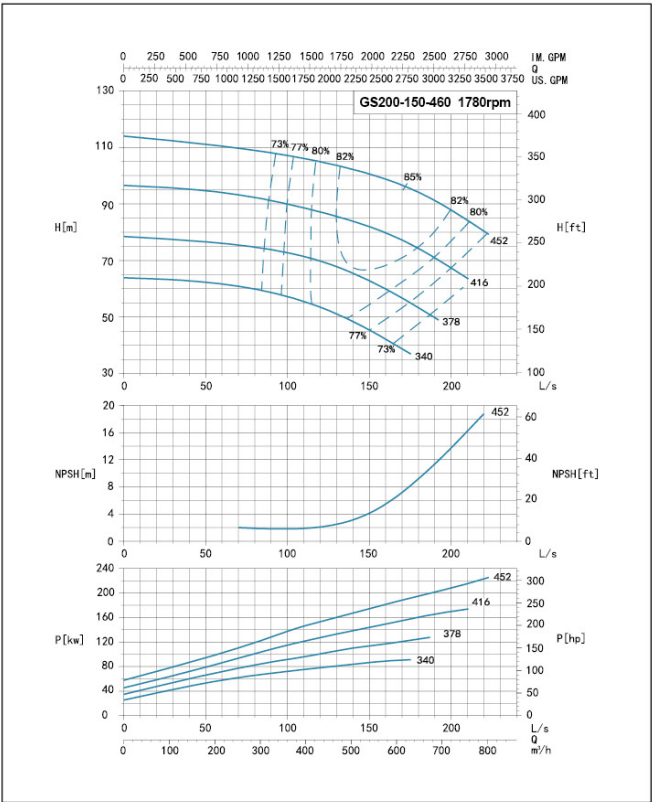
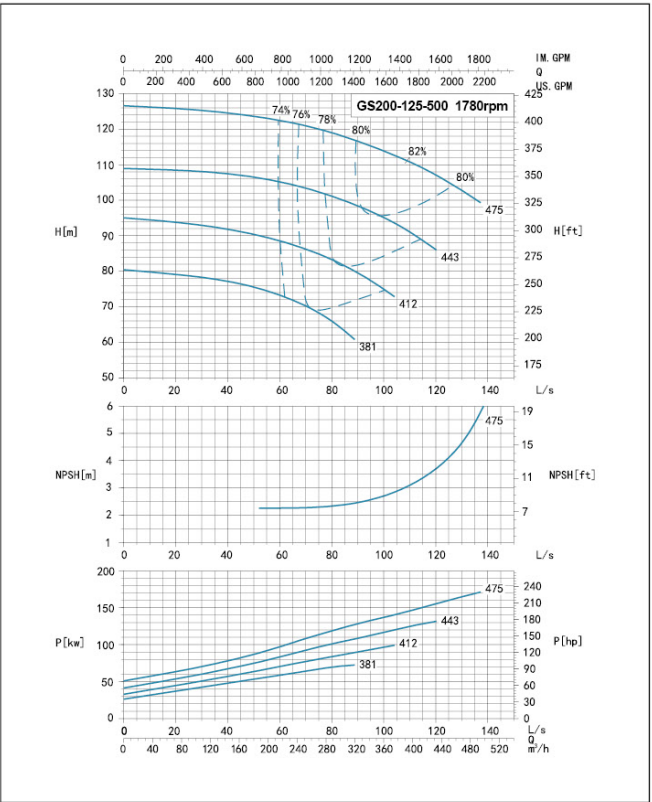
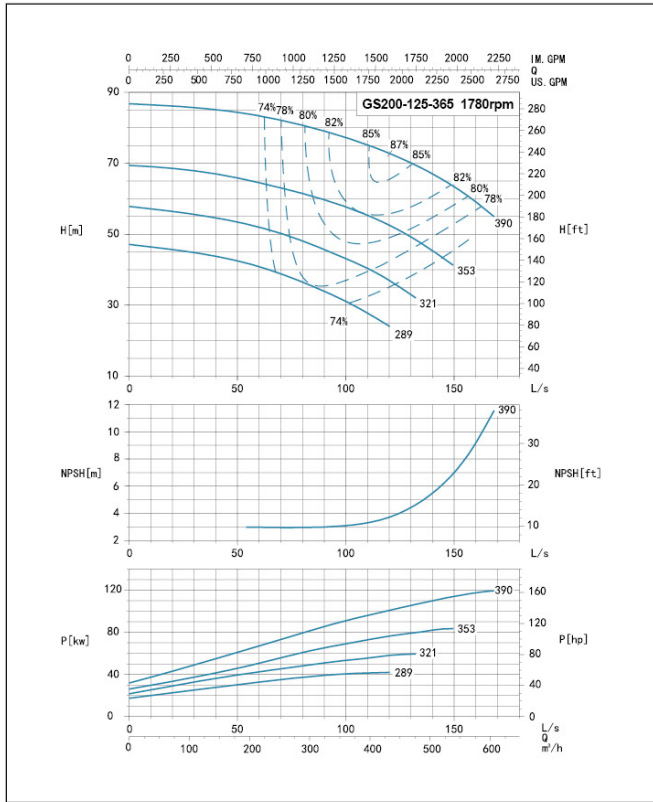
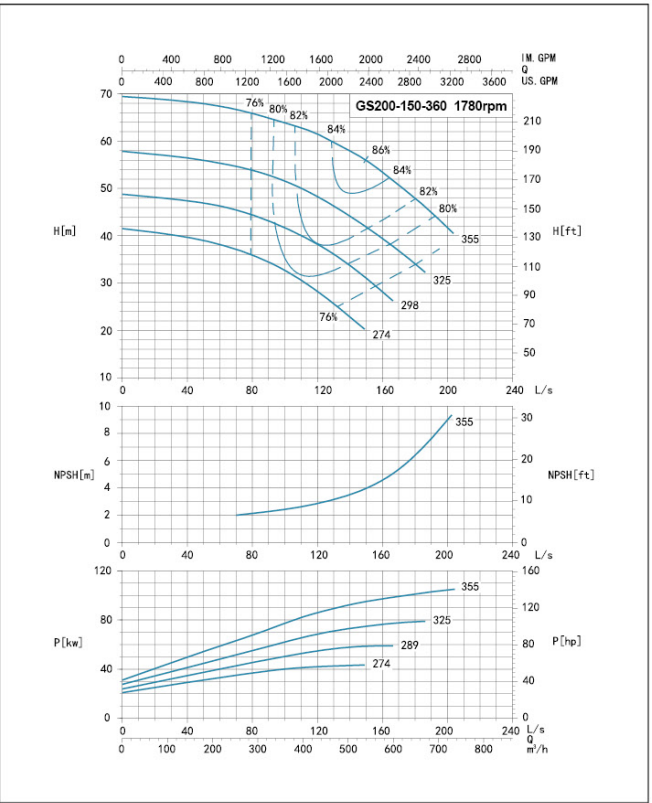
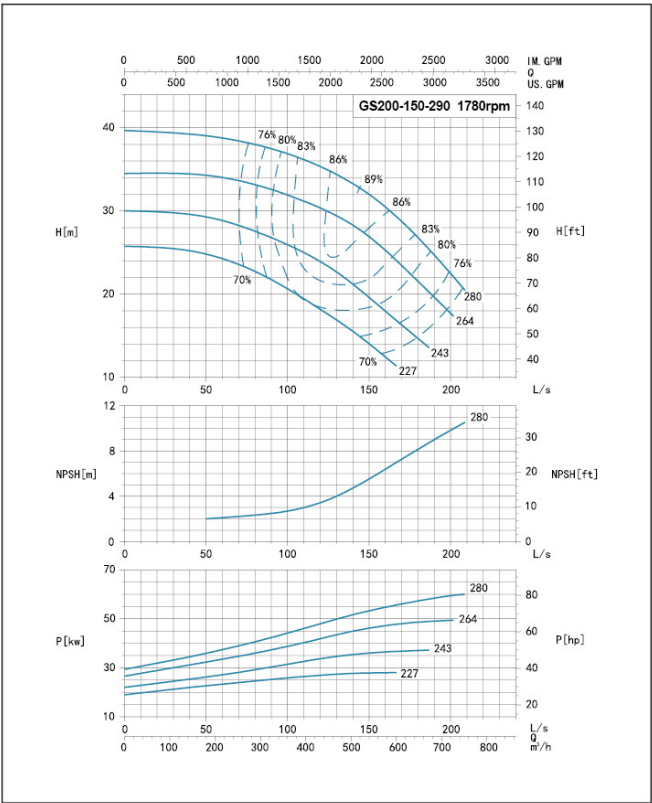
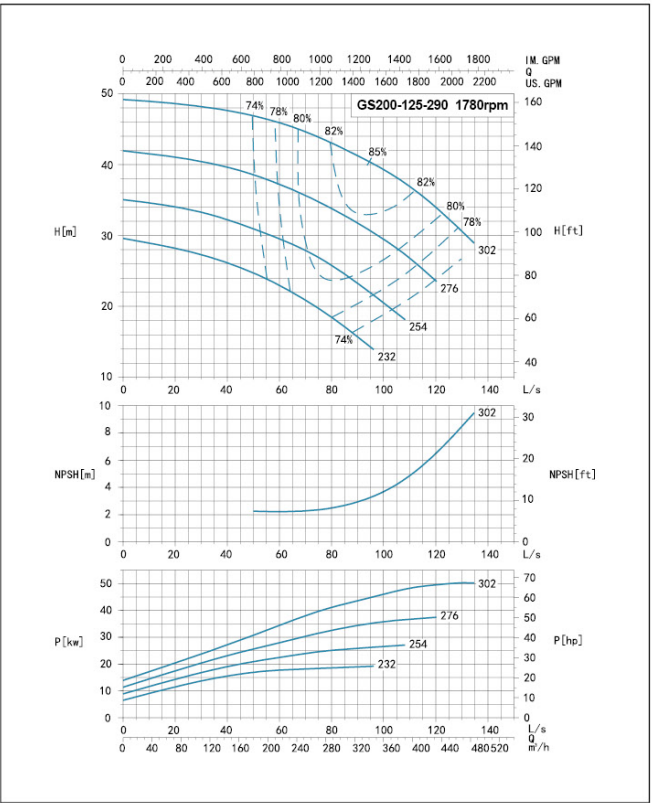
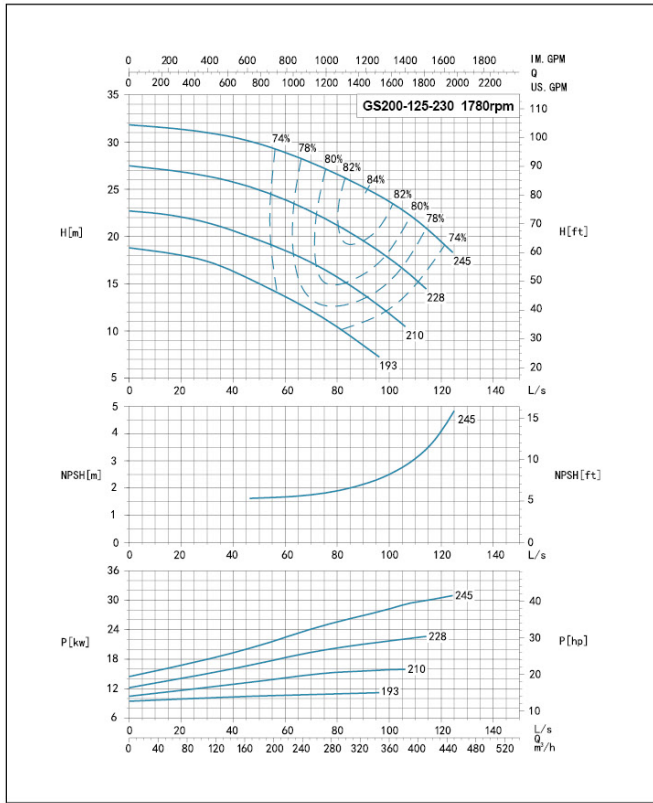


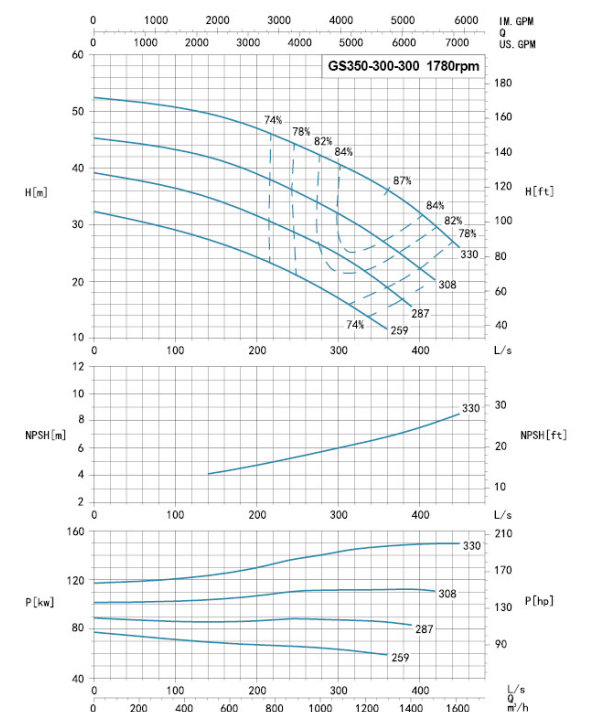
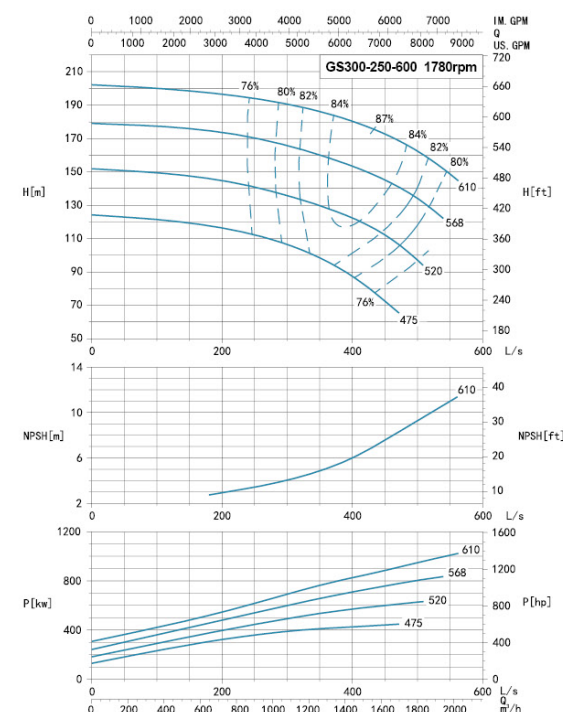
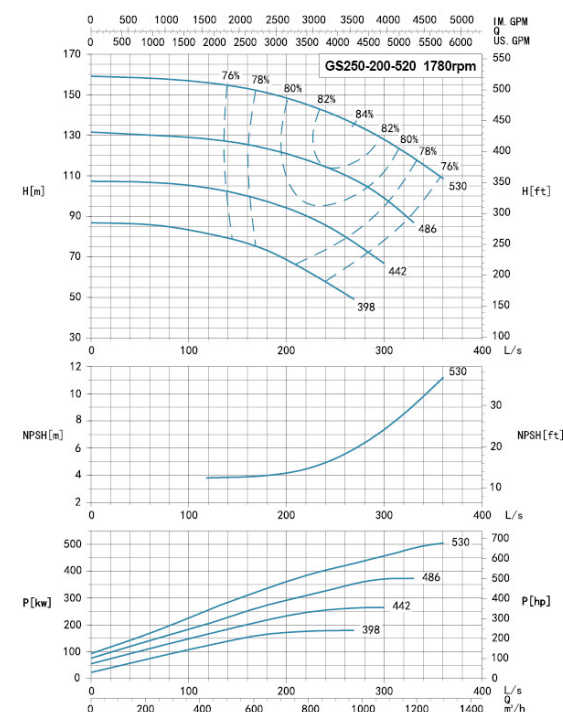
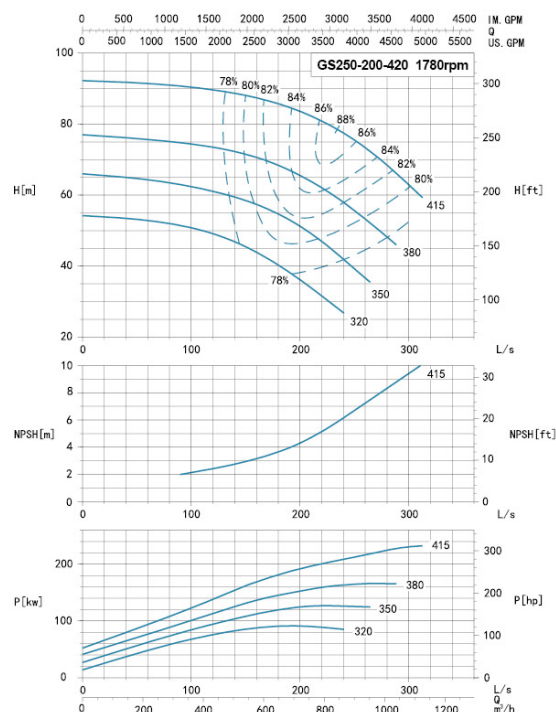
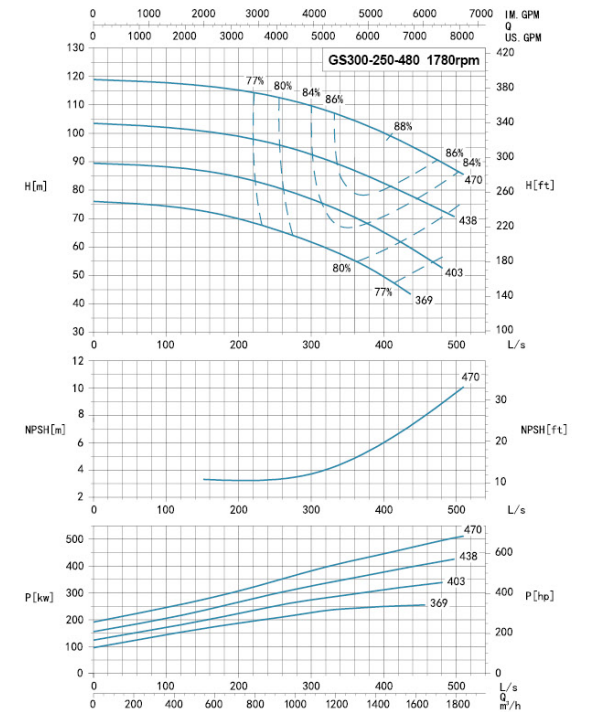
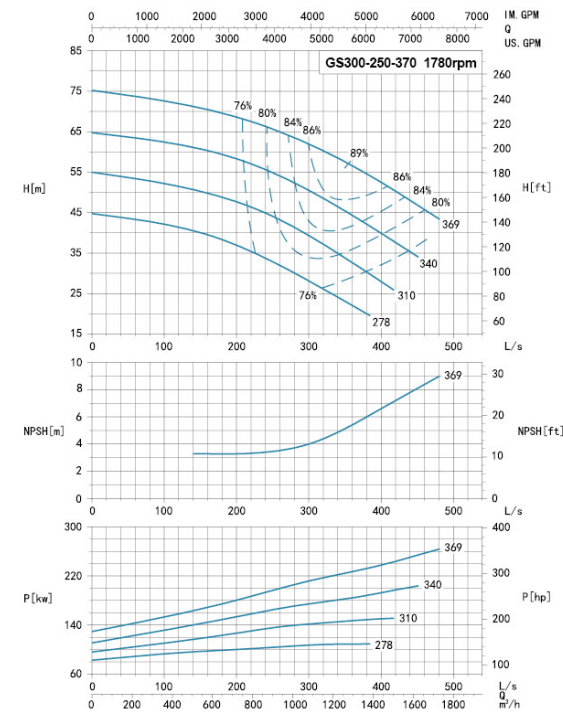
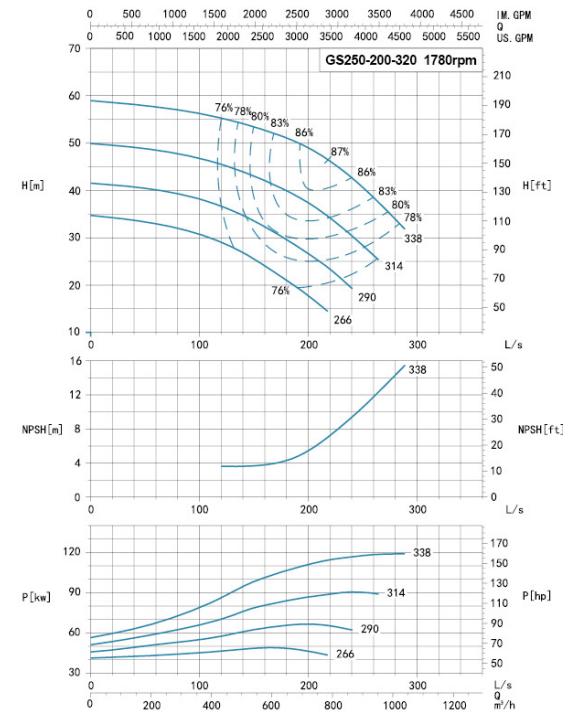
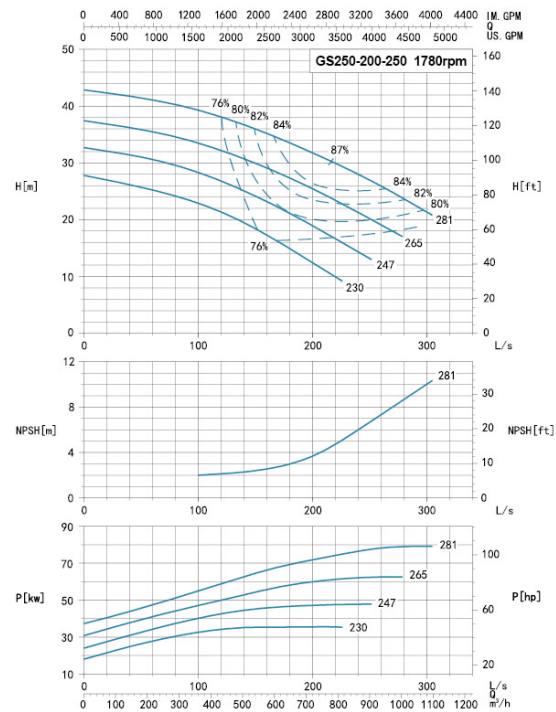


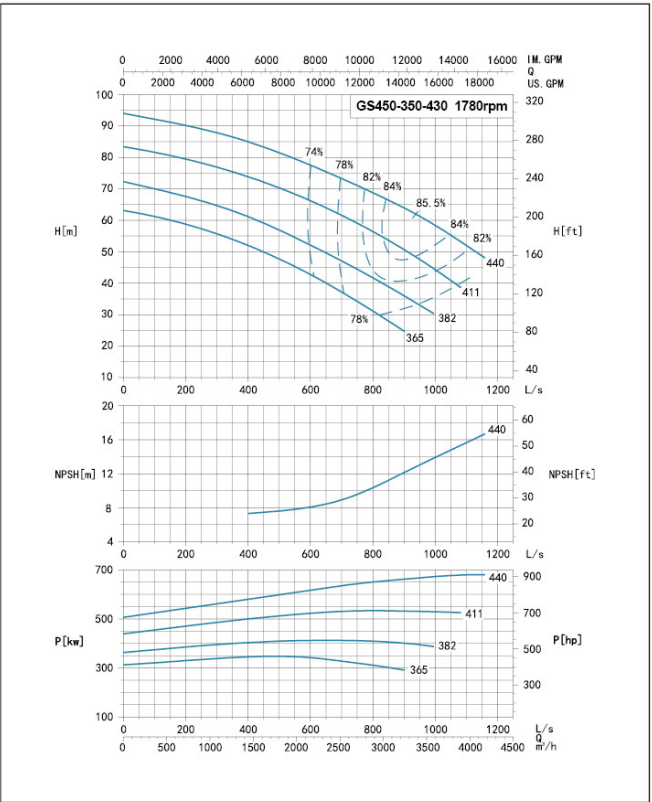
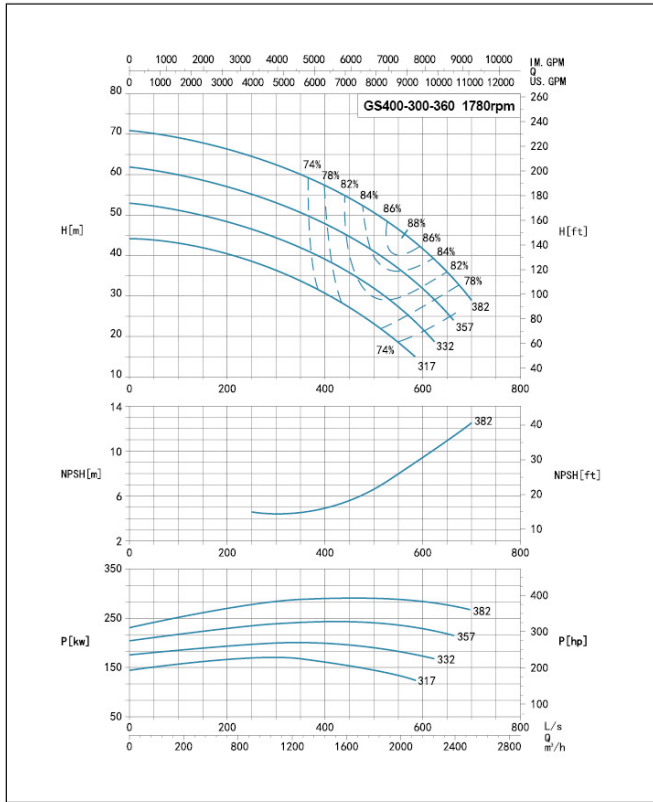
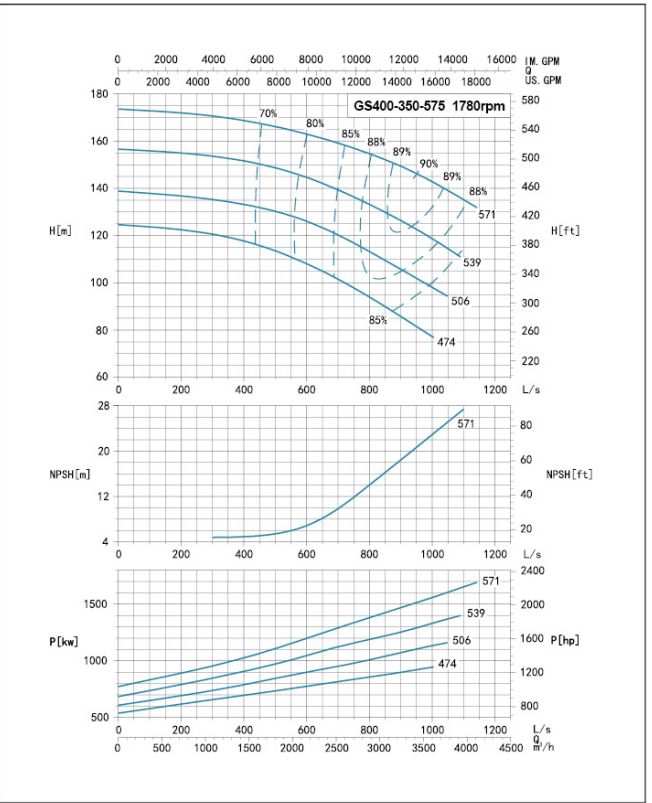
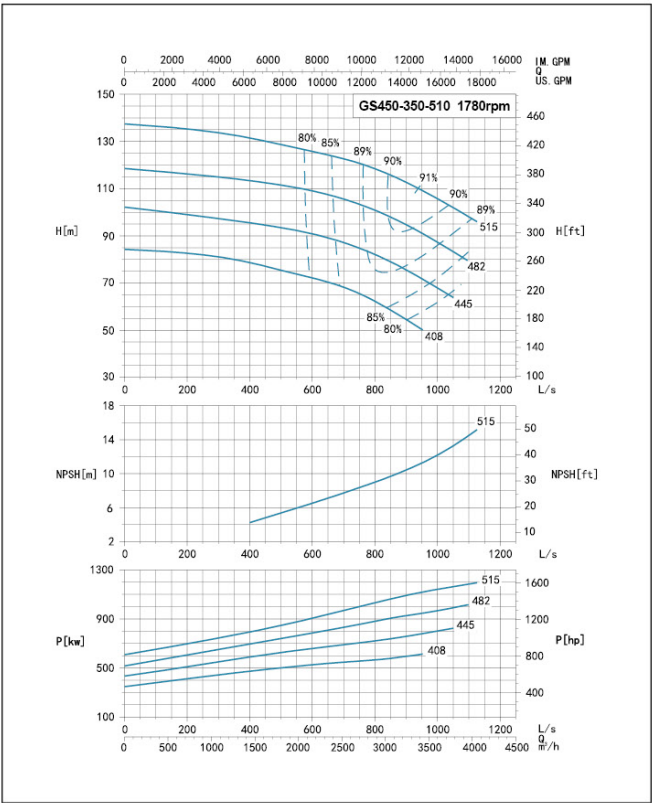
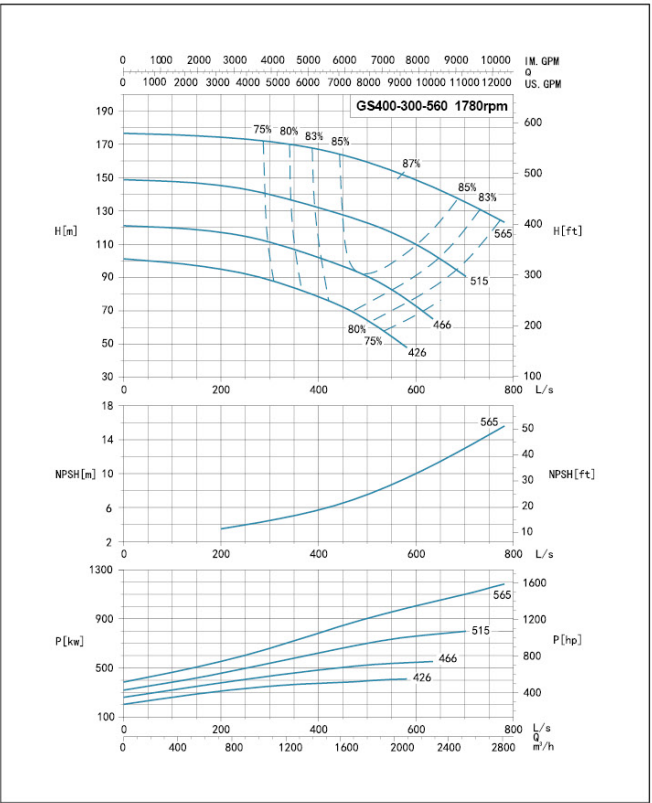
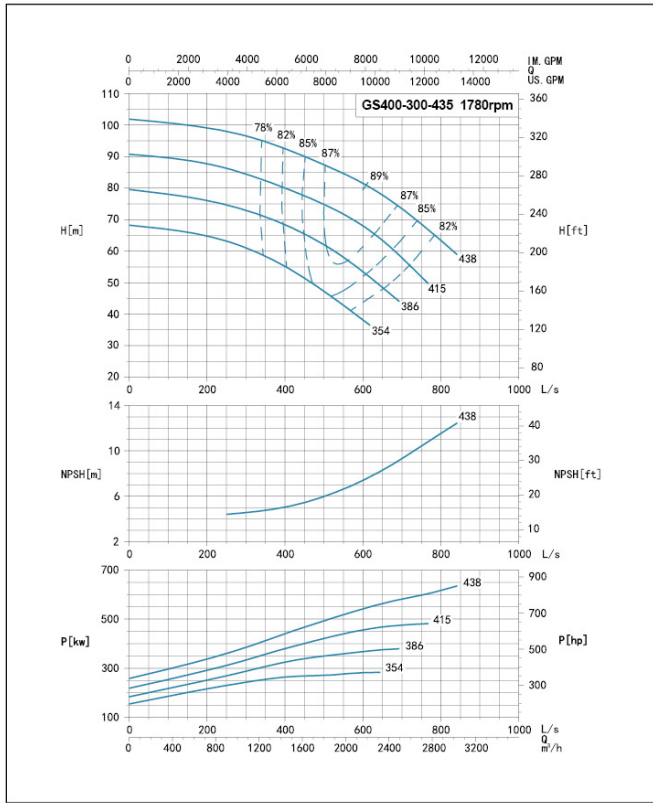












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