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Pumps

• End Suction Centrifugal Pump

 LEO GROUP PUMP(ZHEJIANG) CO.,LTD. (Stock code: 002131)

2016 VI.1

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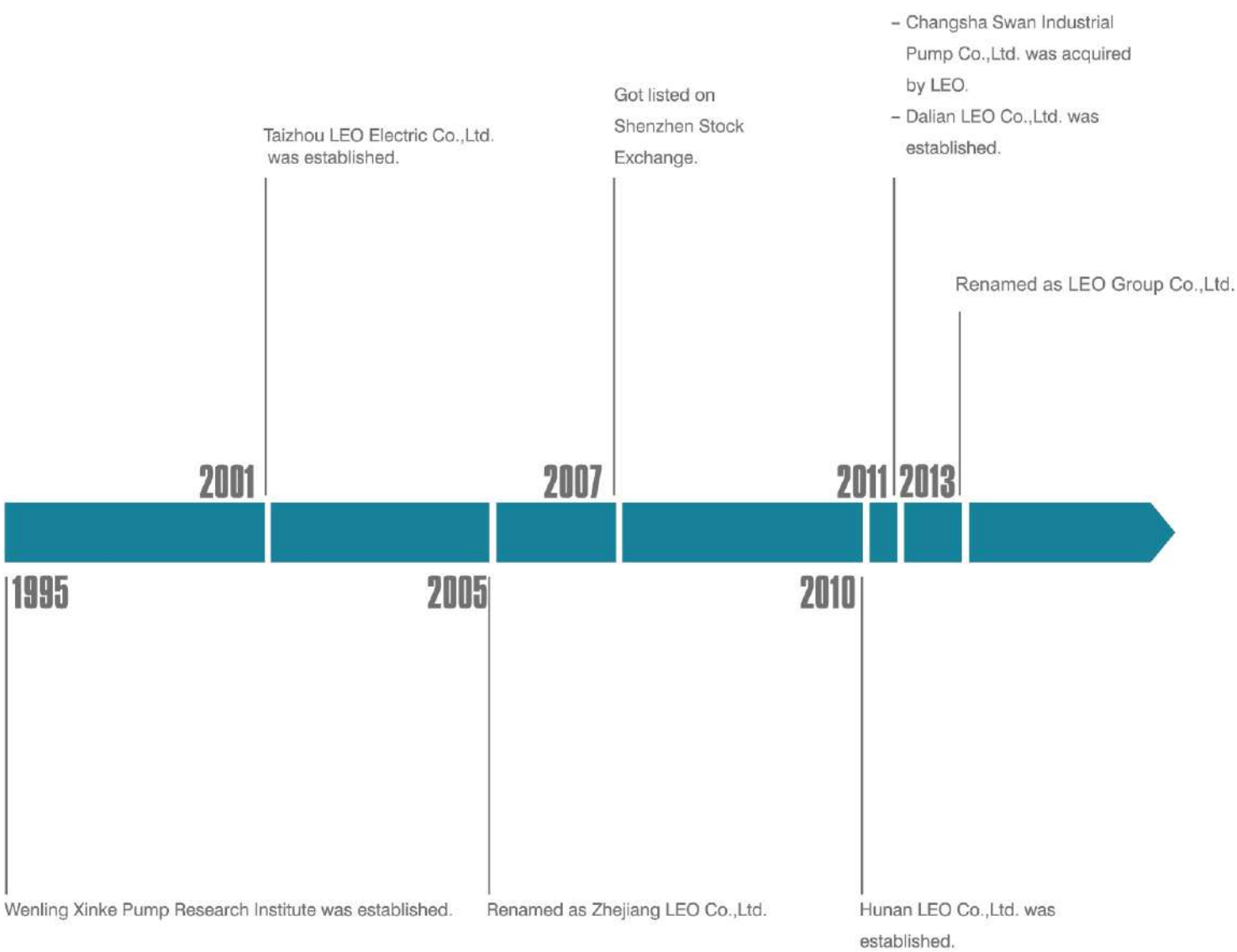
LEO GROUP PUMP(ZHEJIANG) CO.,LTD.



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HISTORY



TO KNOW LEO

LEO Group (got listed in Shenzhen Stock Exchange with stock code 002131) is a national high-tech enterprise engaged in R&D, design , manufacture, sales and service of all series pump. LEO is the first listed company in Chinese pump industry, one of the drafters of pump industry standard and the vice president of drainage and irrigation machinery branch of China Agricultural machinery industry association as well. It is mentionable that LEO has the only state-authorized technical center in this industry.

Our products have been sold to over 120 countries and regions, such as Europe, North America, Central &South America, Southeast Asia, Middle East, Africa, Oceania ,etc., which play a crucial role in water conservancy , water resources, electric power construction, petrochemical industry, mining, metallurgy, fire-fighting, HVAC(Heating, Ventilation and Air Conditioning), agricultural irrigation, civil water supply and drainage, etc.

LEO has currently two industrial groups respectively for industrial and civilian applications. With five manufacturing bases in Wenling of Zhejiang, Xiangtan of Hunan, Changsha of Hunan, Wuxi of Jiangsu and Dalian of Liaoning, LEO possesses a solid foundation to become a world-class pump and system solution provider rapidly.

With over 70 years' professional technology, LEO will continue her consistent creativity and development ability in each pump for human's health.



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. Four subsidiary companies – Wuxi LEO Xi Pump, Changsha LEO Swan Pump, Dalian LEO Huaneng Pump and Hunan 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 becomes a leading company among all industrial pump manufacturers in China.



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

It 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, domestic 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)

It is the most important base for industrial pumps.

The products are mainly used in mine, metallurgy, coal washing, FGD, municipal water, etc.

A world-class pump testing center with testing power up to 12,500 kW realizes high precision tests for real pumps which are used for power station, water conservancy and water resources, petrochemical industry, mining and metallurgical industry.



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

This base grew out of Wuxi Xi Pump Manufacturing Co., Ltd, a well-known manufacturer for water conservancy.

The base is specialized in production of large and medium-sized pumps for urban water supply and drainage, field irrigation, water conservancy projects and large water diversion projects. The main products cover 8 series with 995 specifications.

With great honor, the model 300HW-8 mixed-flow pump won the first national quality award of Chinese pump industry. As a main supplier, the base provides large pumps for South-to-North Water Diversion Project, a national key project.



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

The predecessor of this base is Dalian Huaneng Corrosion-Resistant Pump Works, who's a well-known pump manufacturer in petrochemical industry.

The base is specialized in production of petrochemical pumps for the upstream industry of oil and gas (including exploration, exploitation and storage) and downstream industry of petrochemicals (including crude oil refinery, heavy chemical industry, fine chemistry and coal chemical industry).

The base focuses on design and manufacture of 30 series (OH, BB, VS, etc.) of petrochemical pumps with over 3,000 specifications, which are in accordance with API and ISO standard. The production of large crude oil long distance pipeline pump (BB1 and BB2) and HTHP overloaded pump (BB3 and BB4) is available. LNG cryo-pump is already in development.

The base is Class A supplier of CNPC and qualified sub supplier of Shenhua Group.

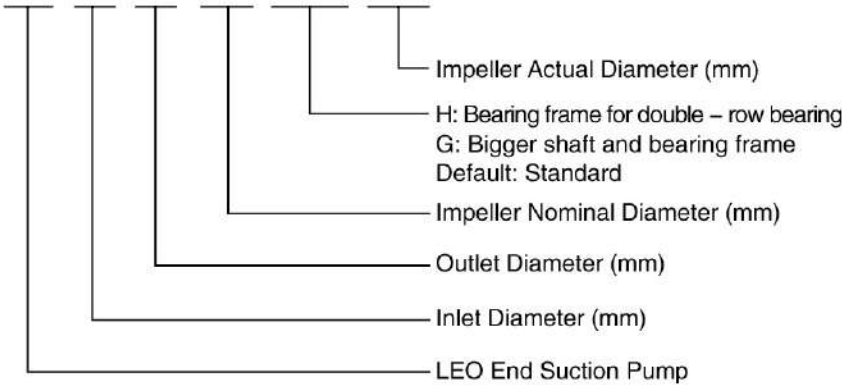


Applications

- Water supply systems
- Pressure boosting
- Heating systems for commercial buildings and district heating
- Cooling plants for industrial processing and air-conditioning units
- General transport for industrial processes
- Fire fighting system

Identification Codes

LEP 50-32-130 H(G)/139



Working Conditions

- Pump design complies to BS EN 733/DIN 24255 standard
- Conveying medium: Low viscosity, non-flammable and non-explosive liquids not containing solid particles or fibers
- Speed: 1450/2900 rpm at 50 Hz, 1750/3500 rpm at 60 Hz
- Flow range: 0.5 - 440 l/s
- Head range: 2 - 152 m
- Max. liquid temperature: 105°C
- Liquid pH value: 4 - 10
- Max. operation pressure: 10 bar, 16 bar on request

Design & Structure

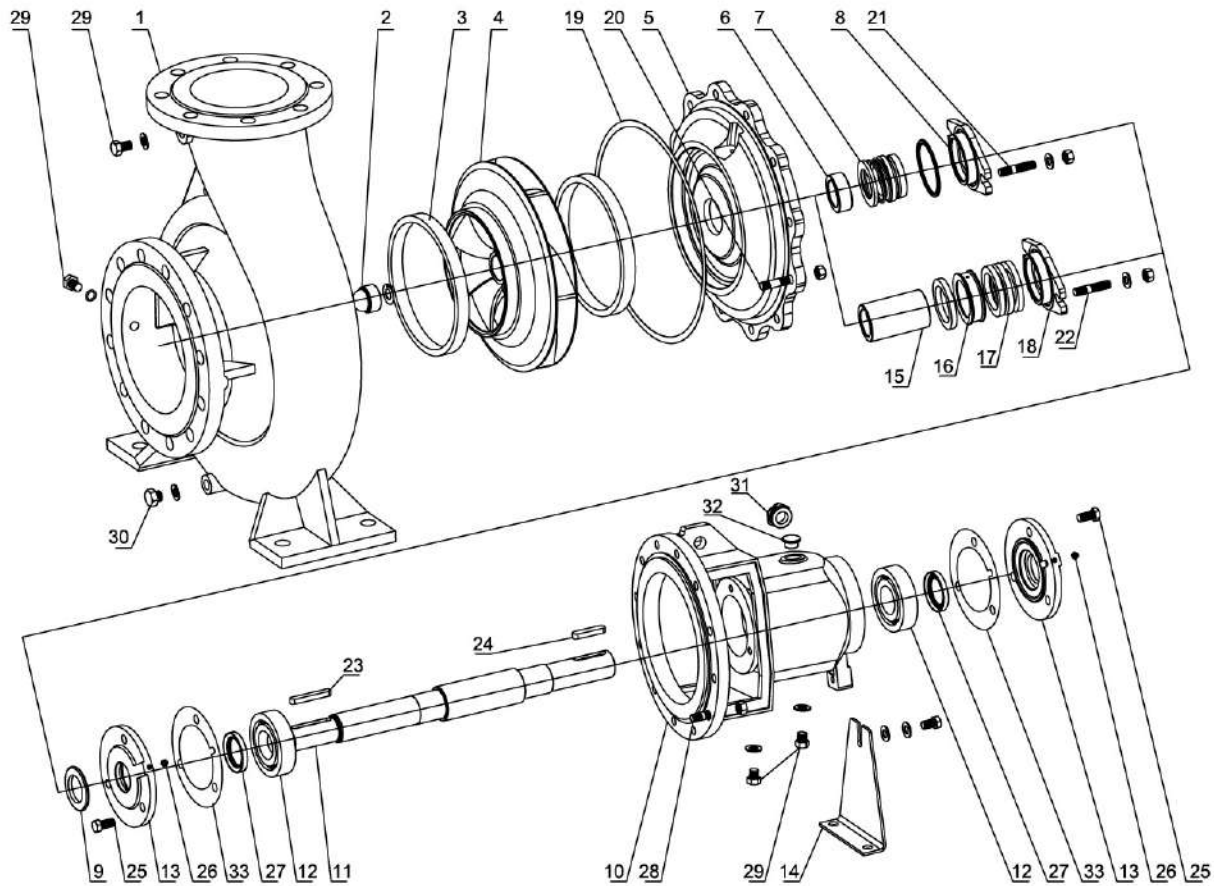
Design	Performance and dimensions referring to the European standard BS EN733/DIN24255	
Structure	Horizontal, Axial End-Suction, Single-Stage, Single-Suction, Volute Casing, Back pull-out	
DN(mm)	Inlet: 50-350	Outlet: 32-300
Flange	ISO7005.2 ; DIN2501 PN16 ; GB/T17241.6 PN1.6	

Materials Table

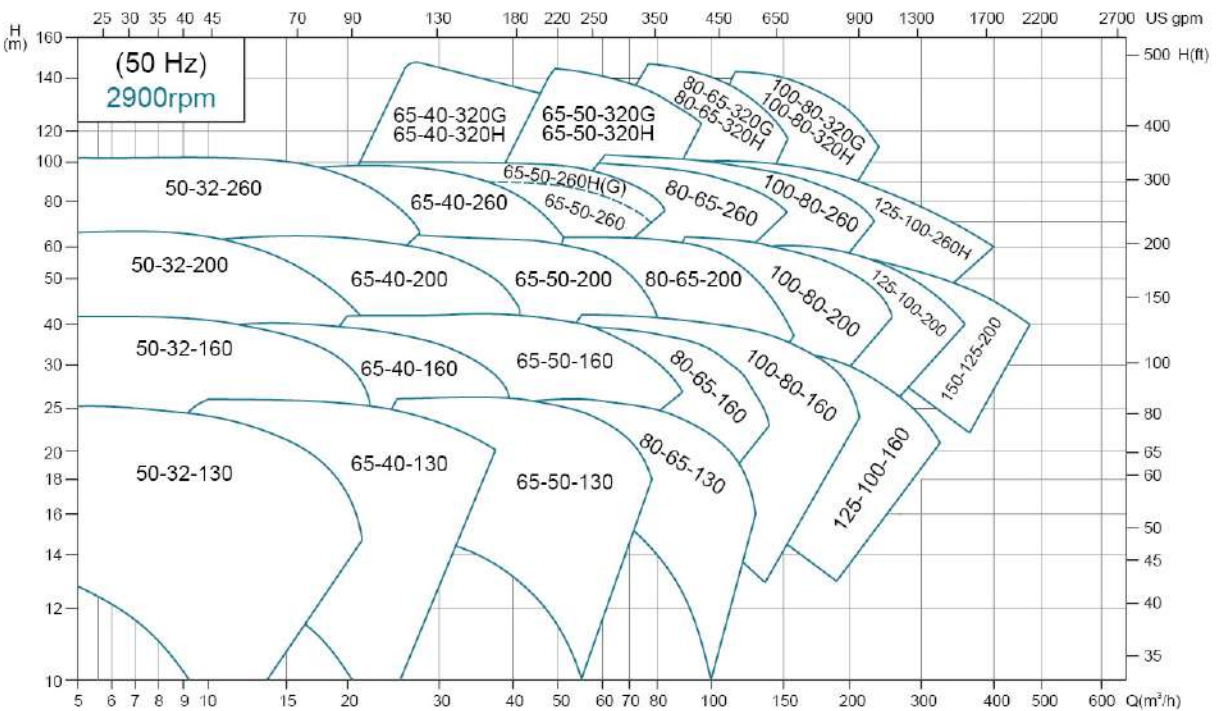
No.	Part	Material
1	Pump casing	Cast Iron Ductile Iron 304/316
2	Impeller nut	
3	Wear ring	
4	Impeller	Brass/Bronze Cast Iron 304/316
5	Casing cover	
6	Shaft spacer	
7	Mechanical seal	
8	Seal cover	
9	Rubber slinger	
10	Bearing frame	
11	Shaft	304/316/1045

No.	Part	Material
12	Bearing	
13	Bearing cover	
14	Support foot	
15	Packing sleeve	Bronze
16	Packing seal cage	
17	Gland packing	
18	Gland cover	
19	Casing gasket	
20	Nut	
21	Nut	
22	Nut	

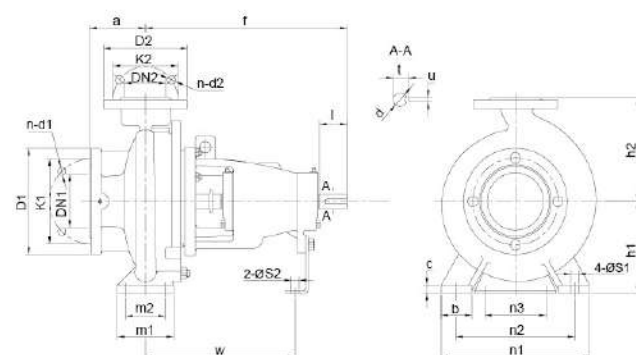
No.	Part	Material
23	Key	
24	Key	
25	Bolt	
26	Oil nipple	
27	Oil seal	
28	Nut	
29	Washer	
30	Washer	
31	Oil scale	
32	Oil cover	
33	Bearing Cover Gasket	



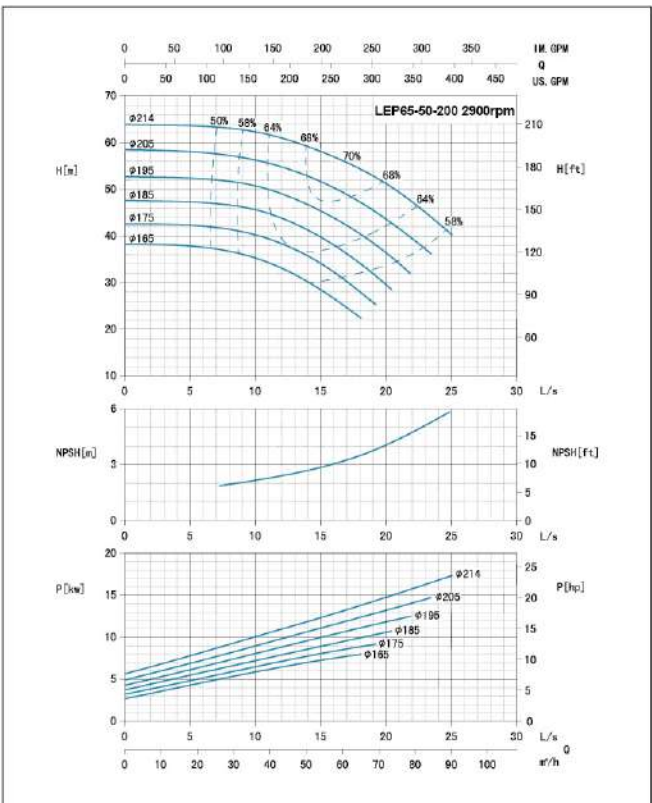
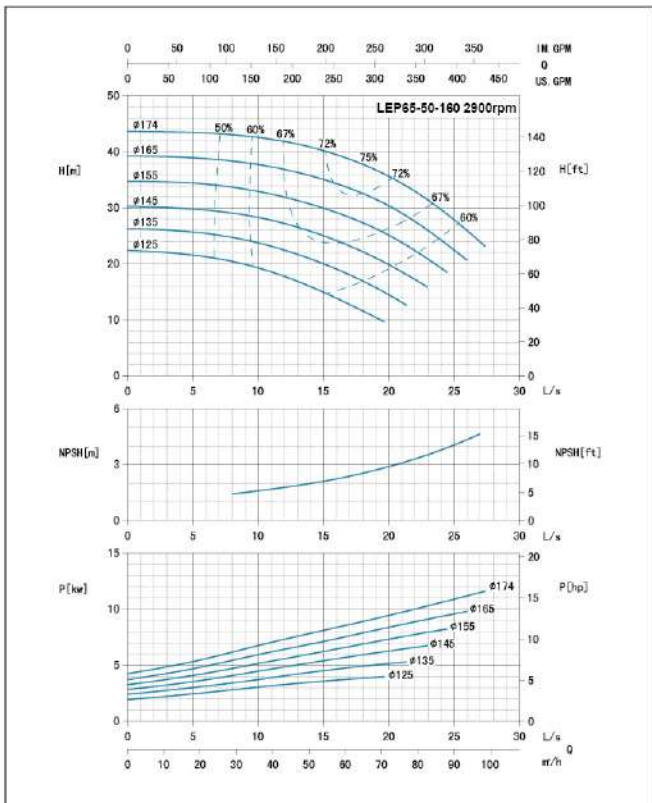
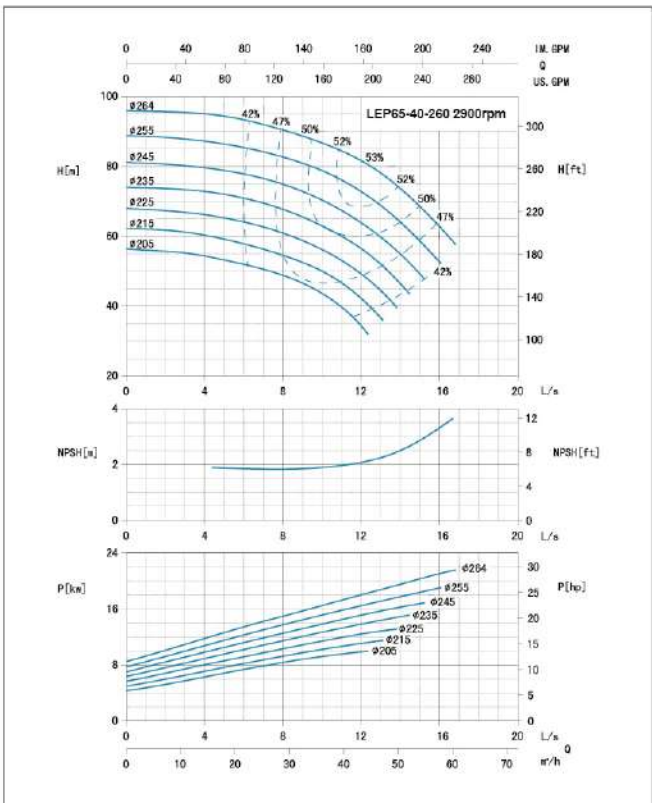
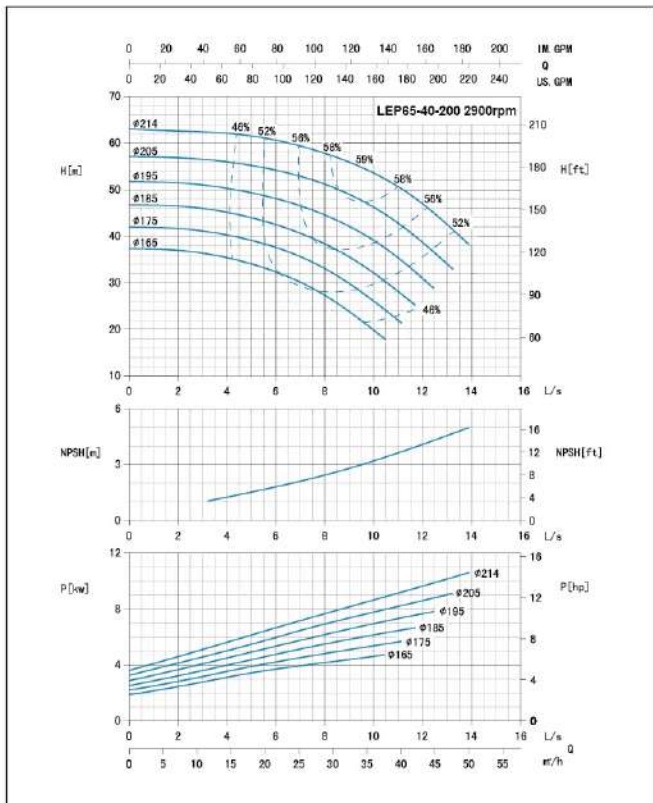
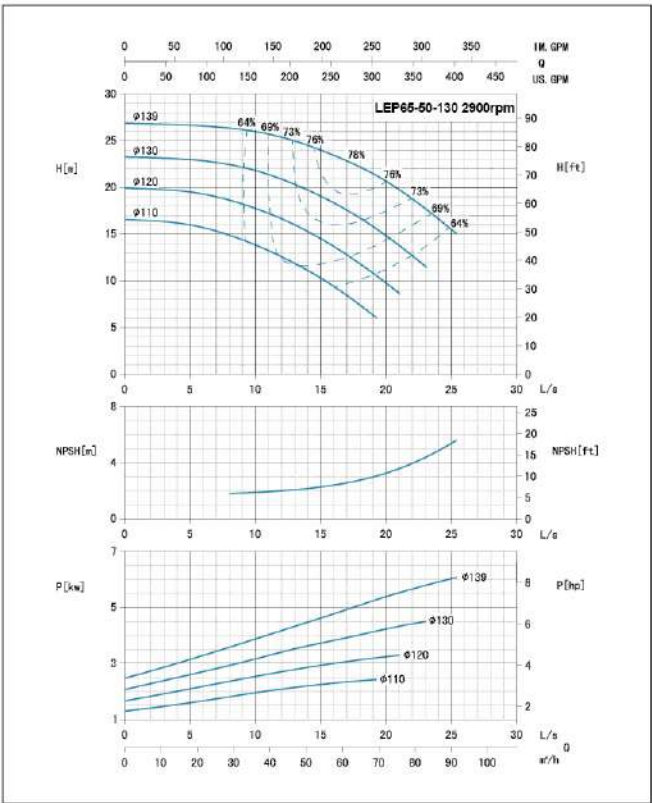
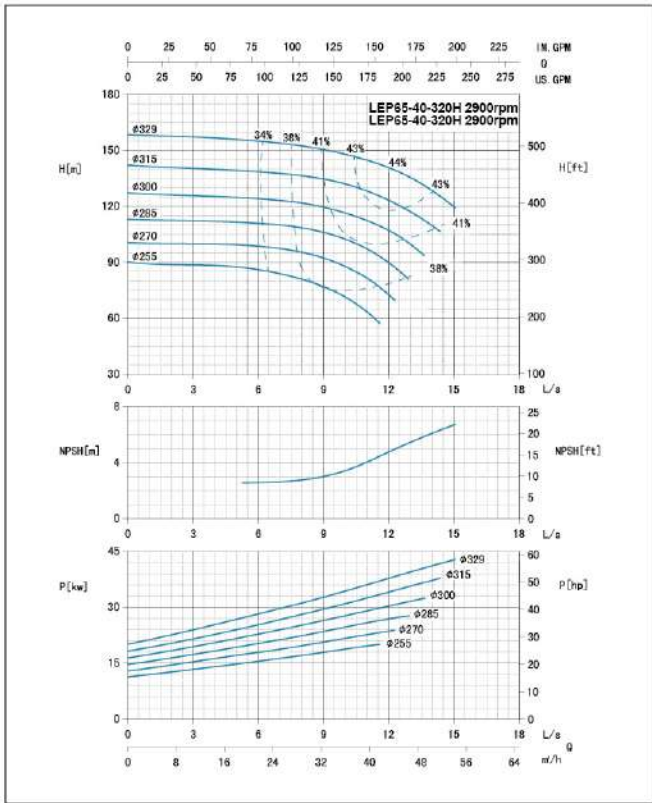
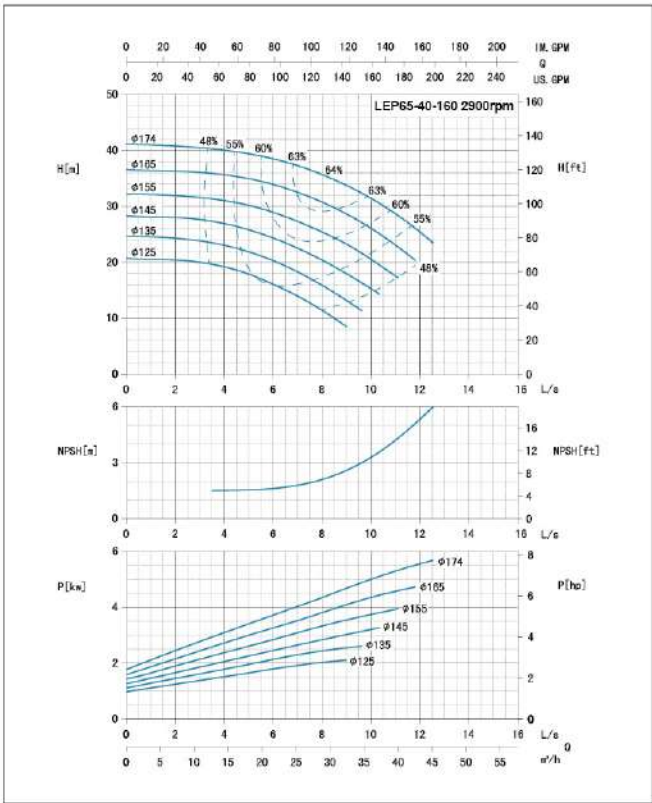
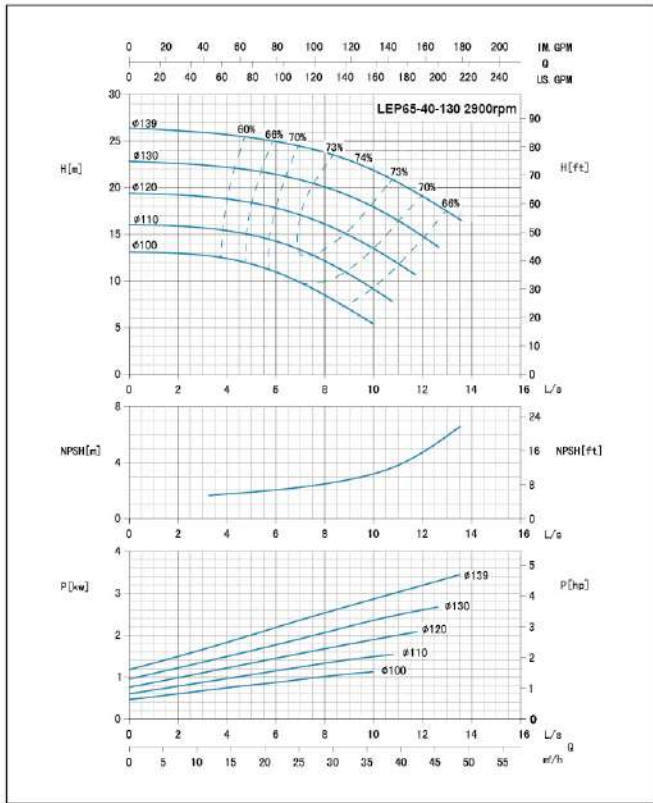
Characteristic Curves

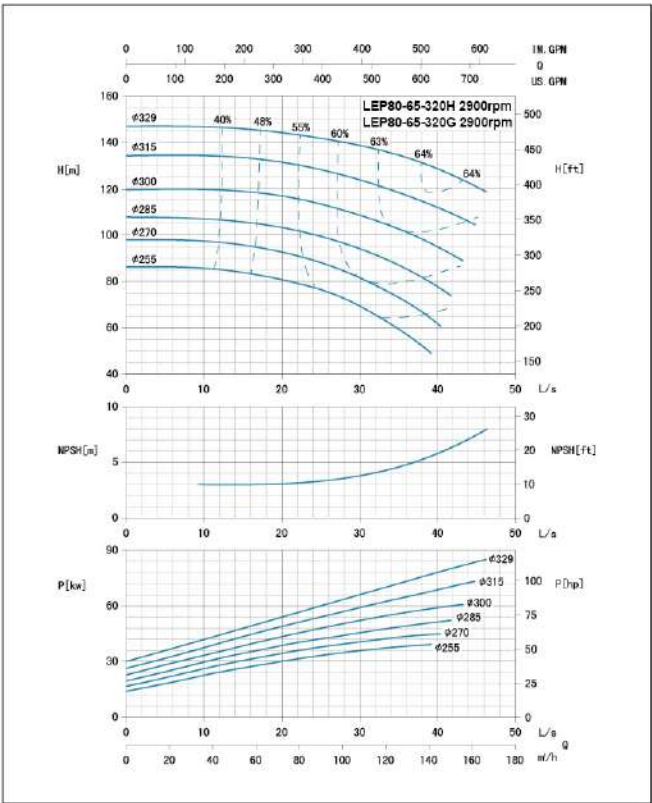
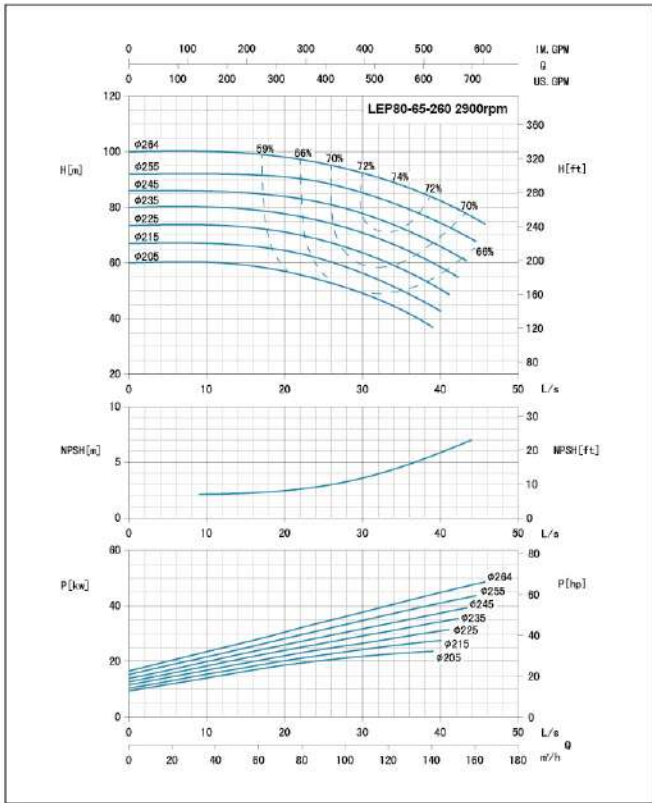
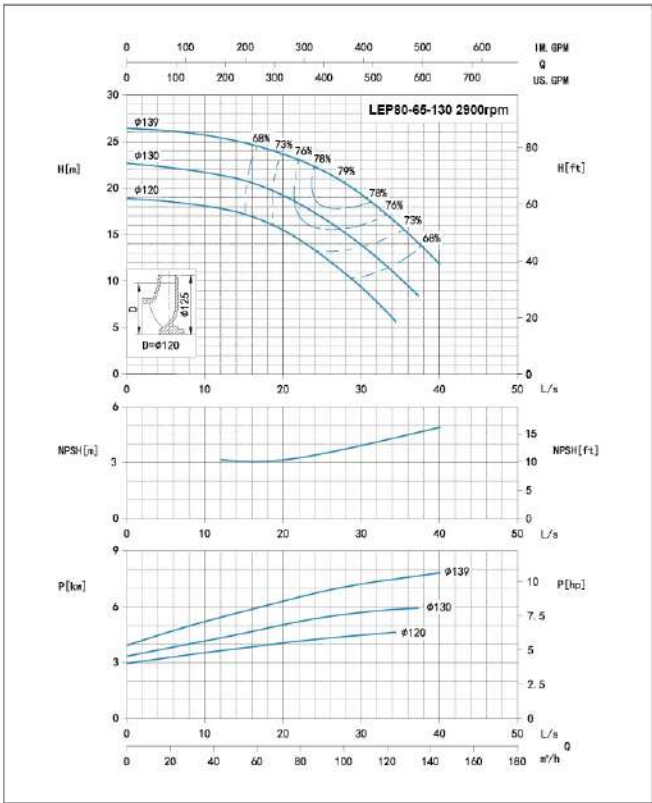
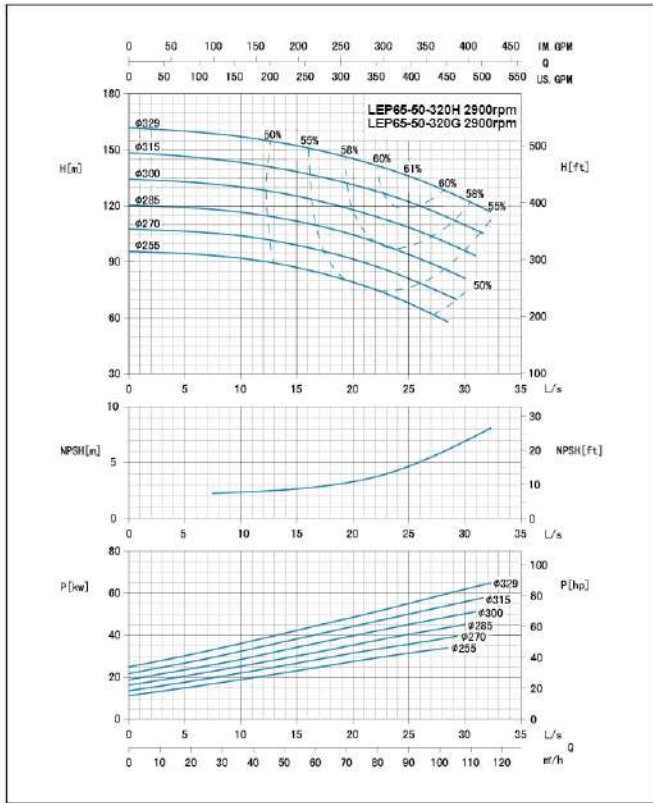
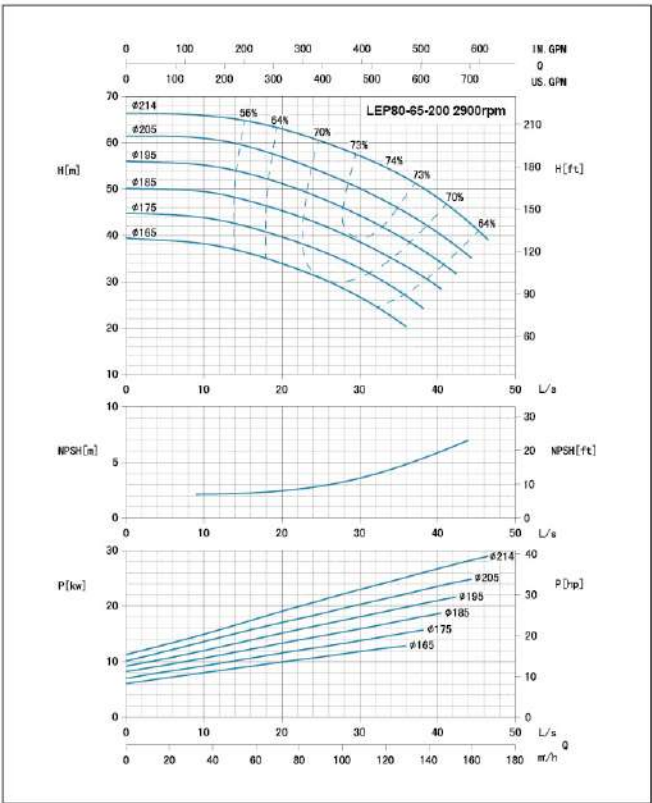
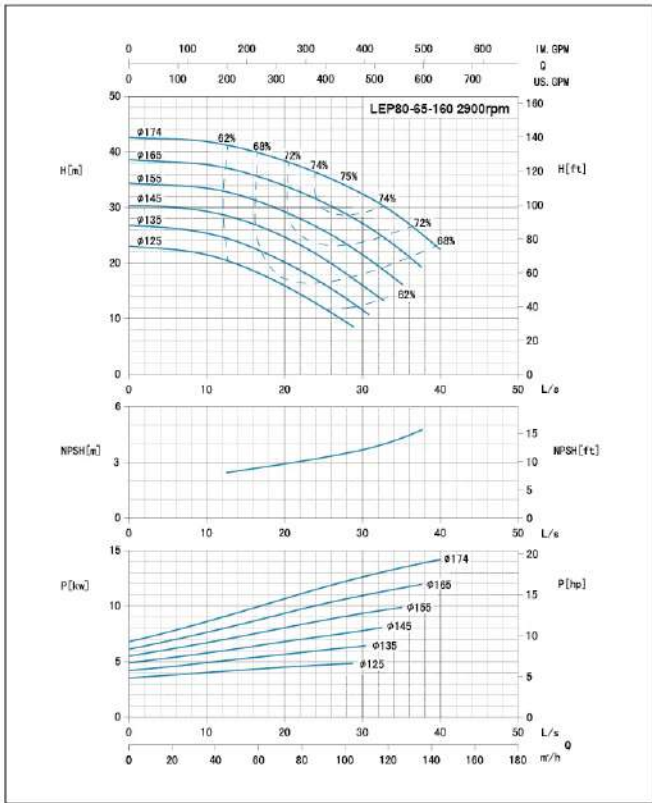
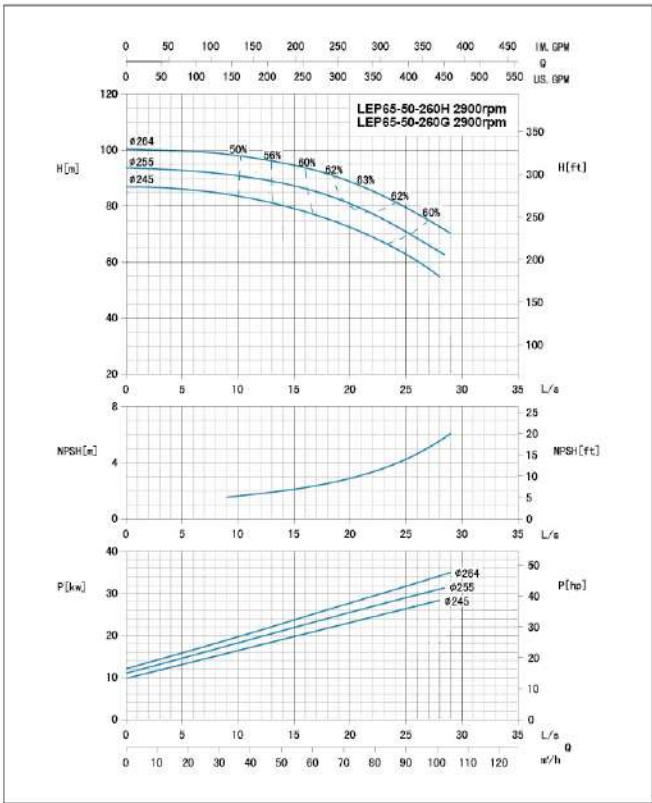
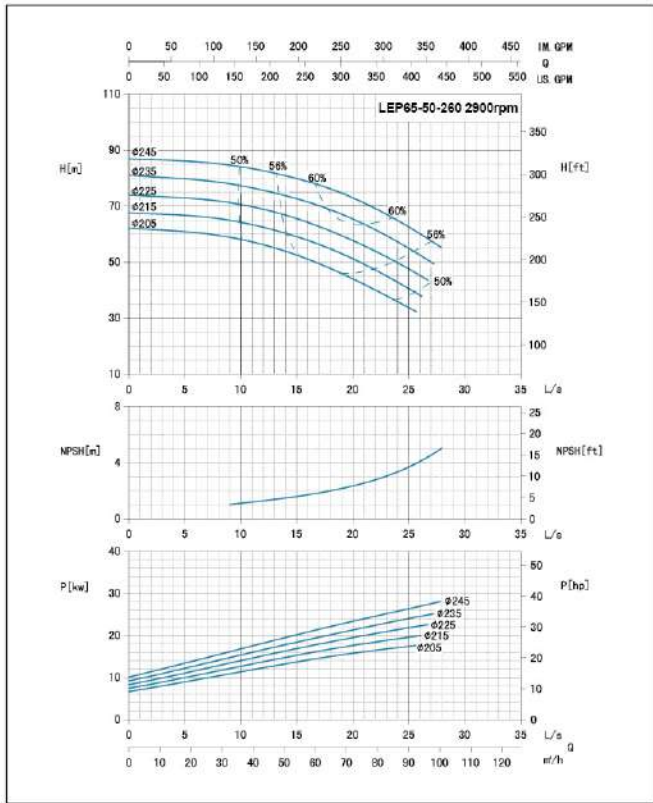


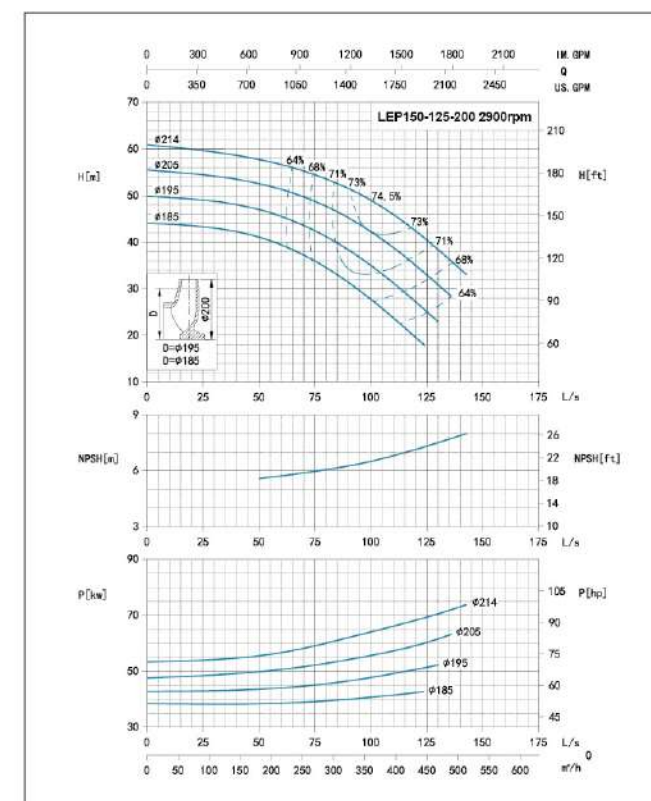
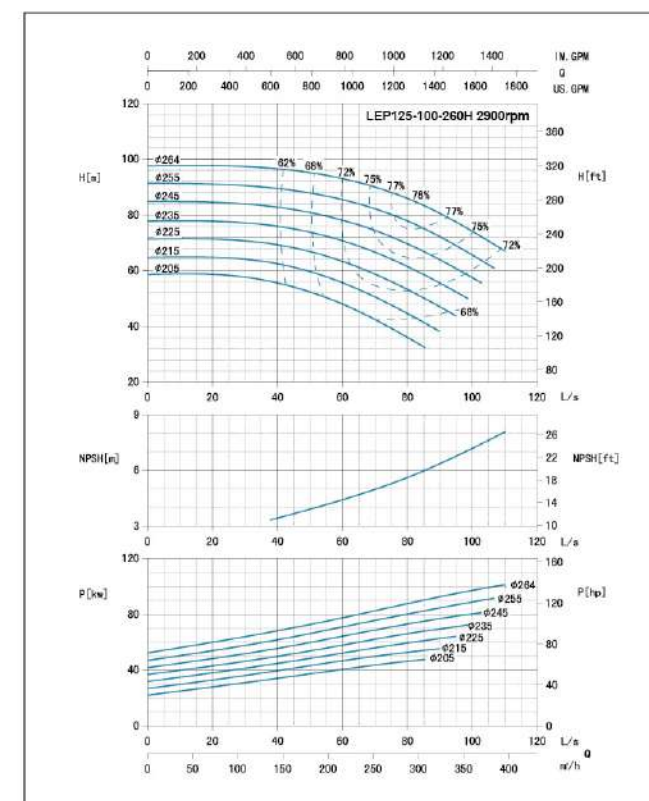
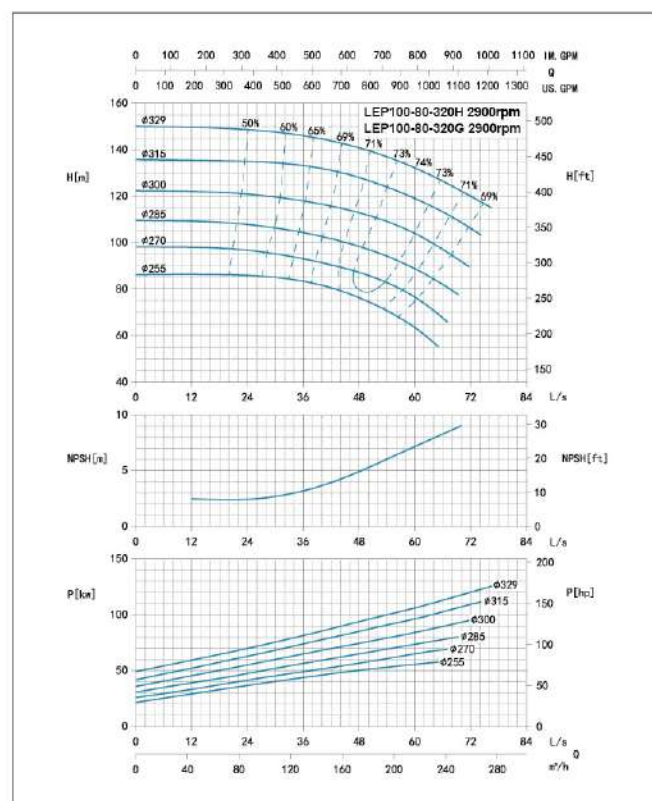
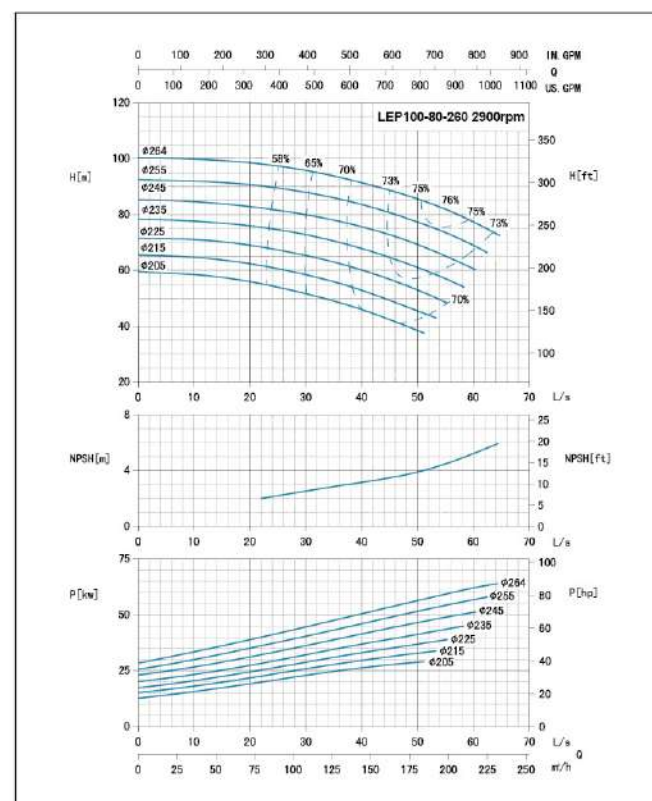
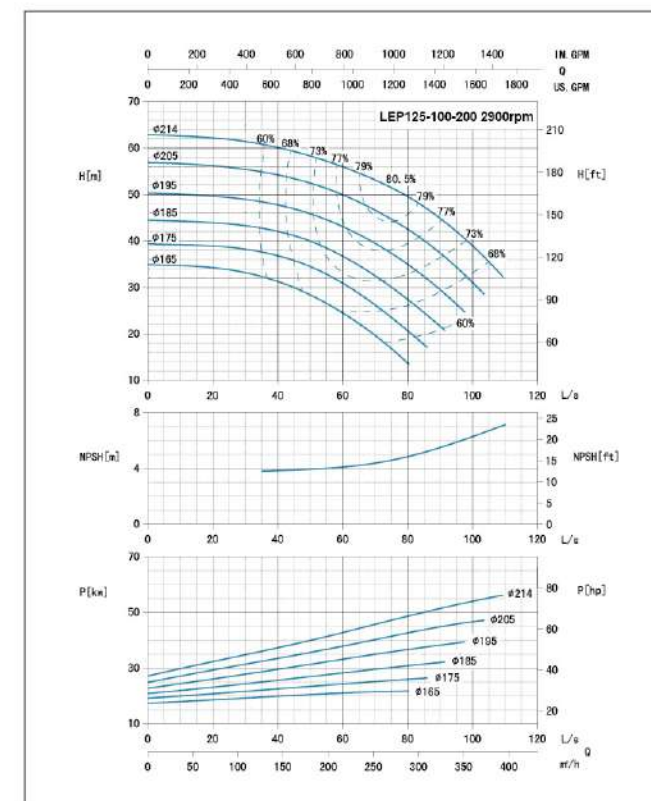
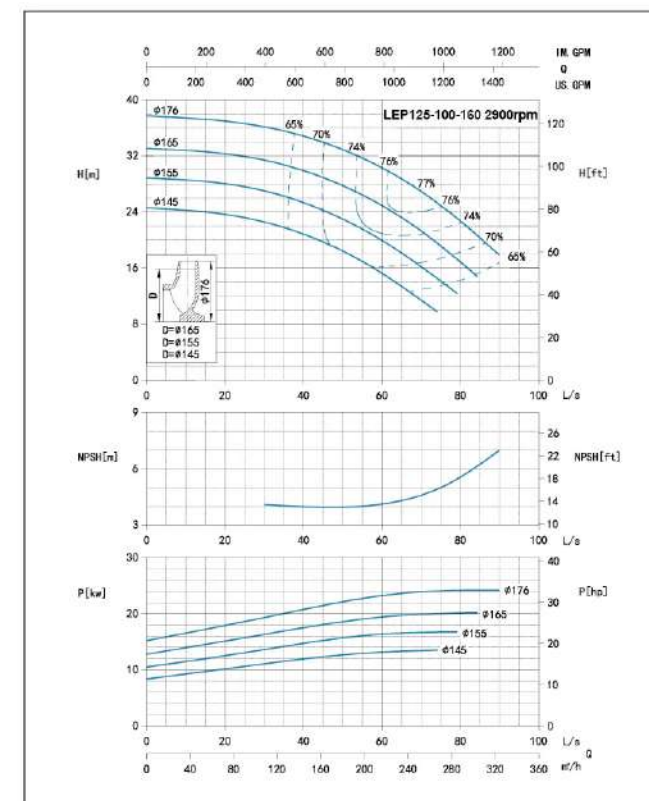
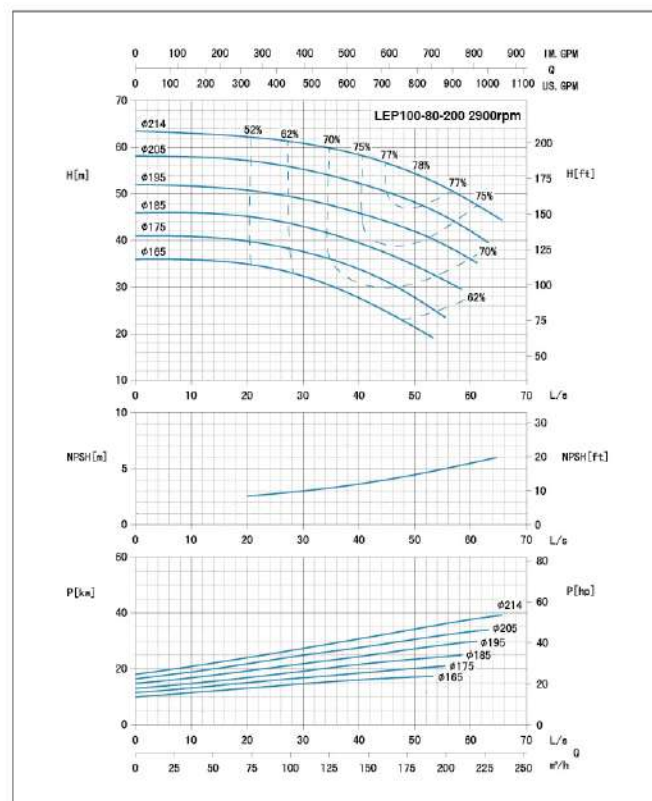
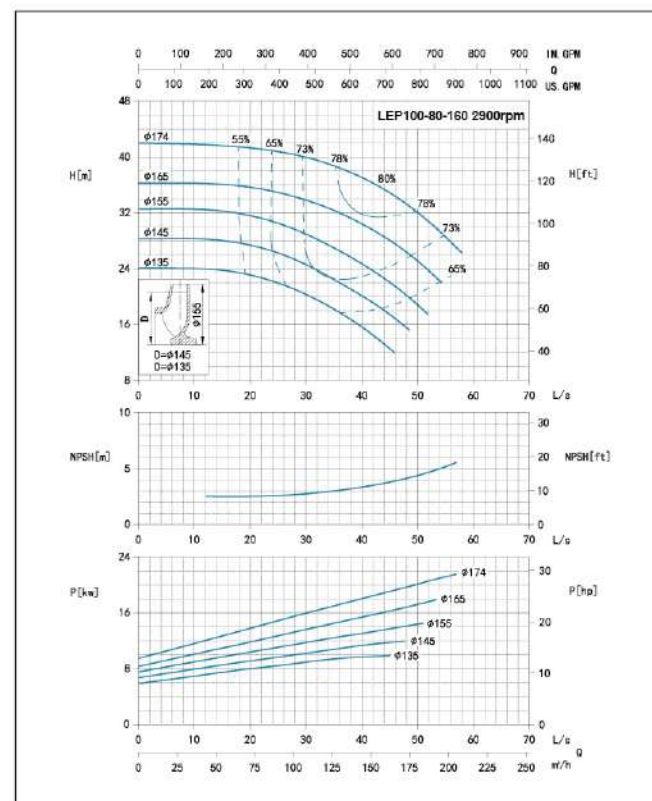
Installation Dimensions

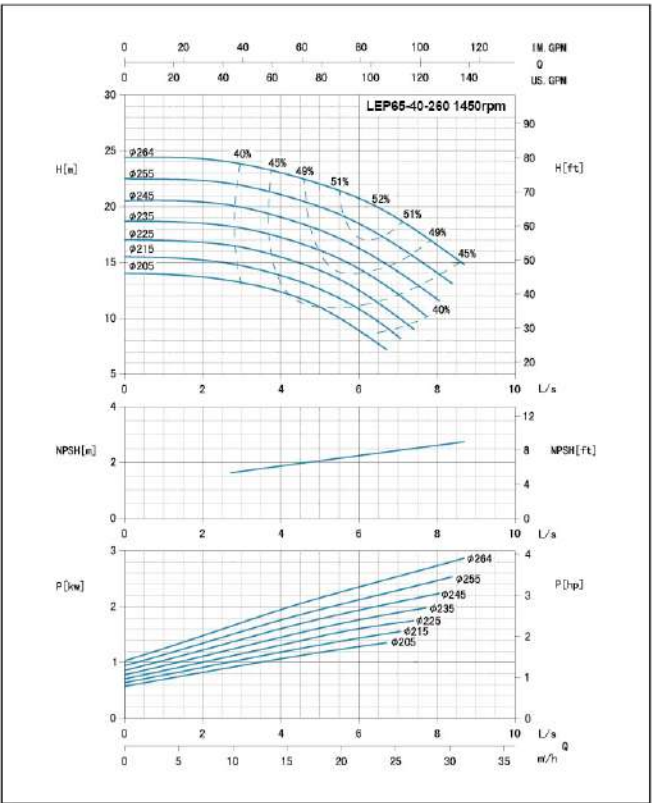
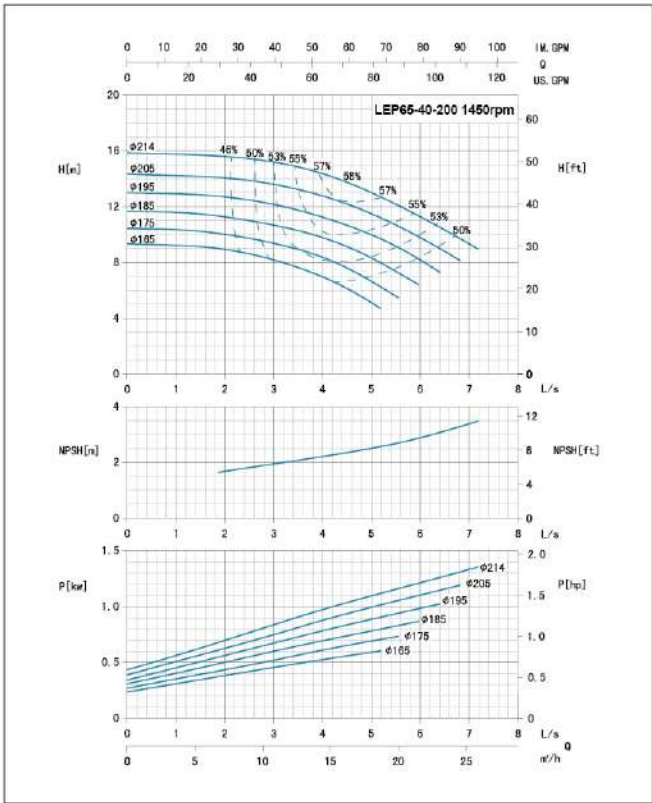
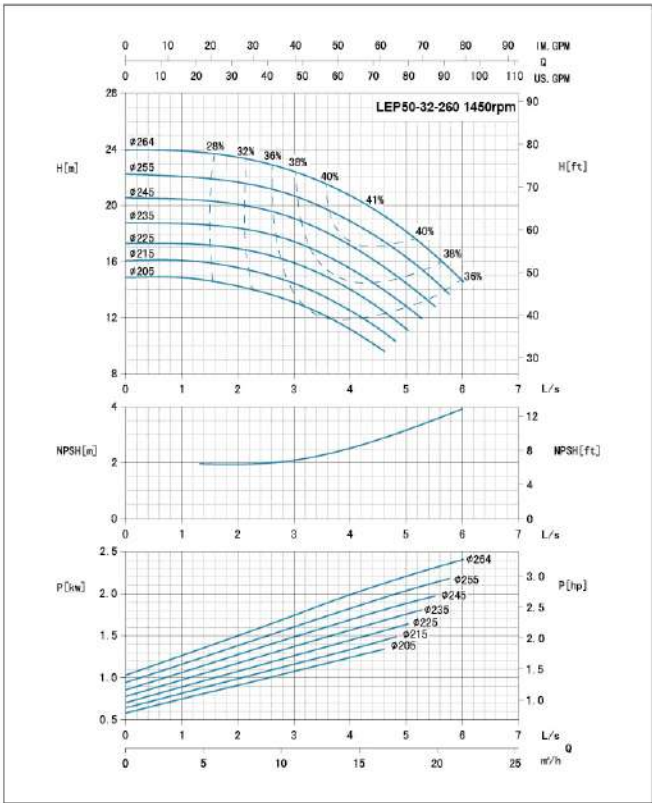
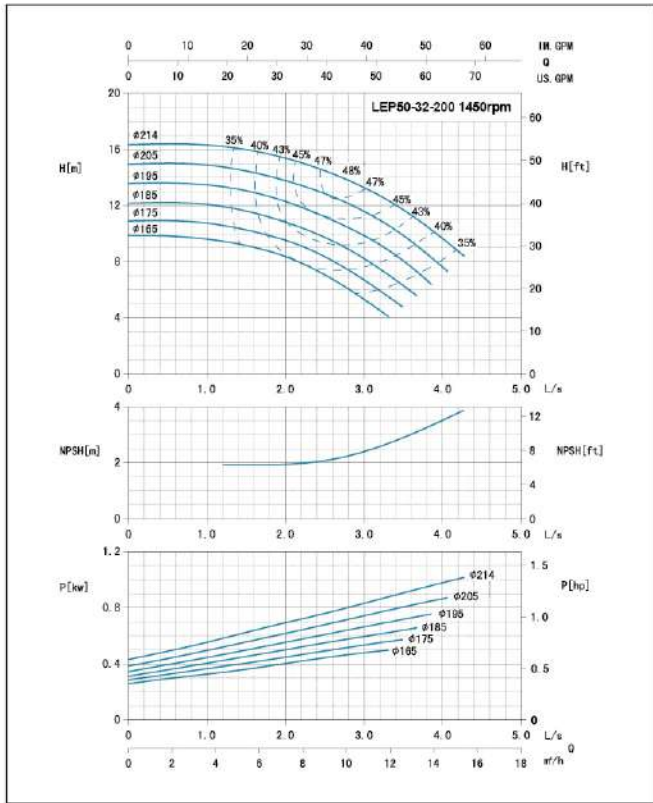
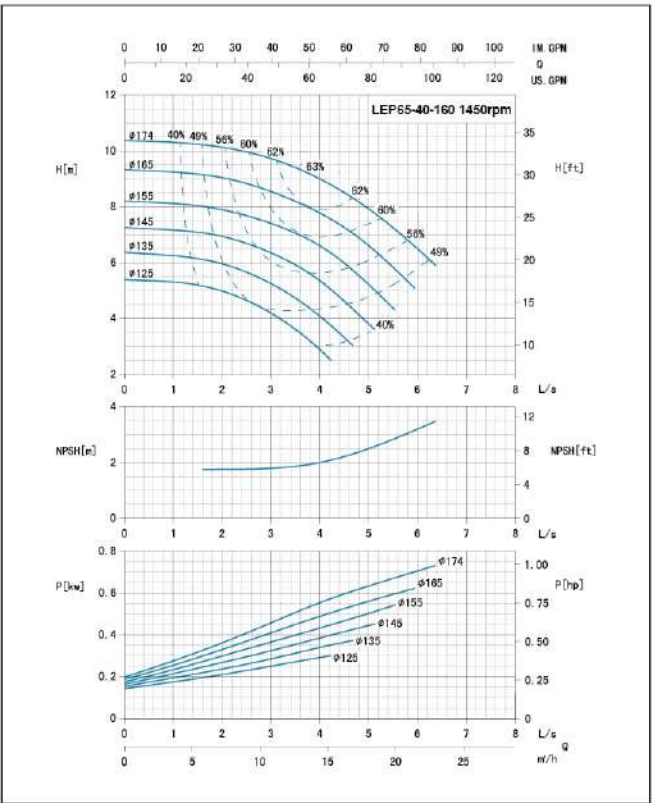
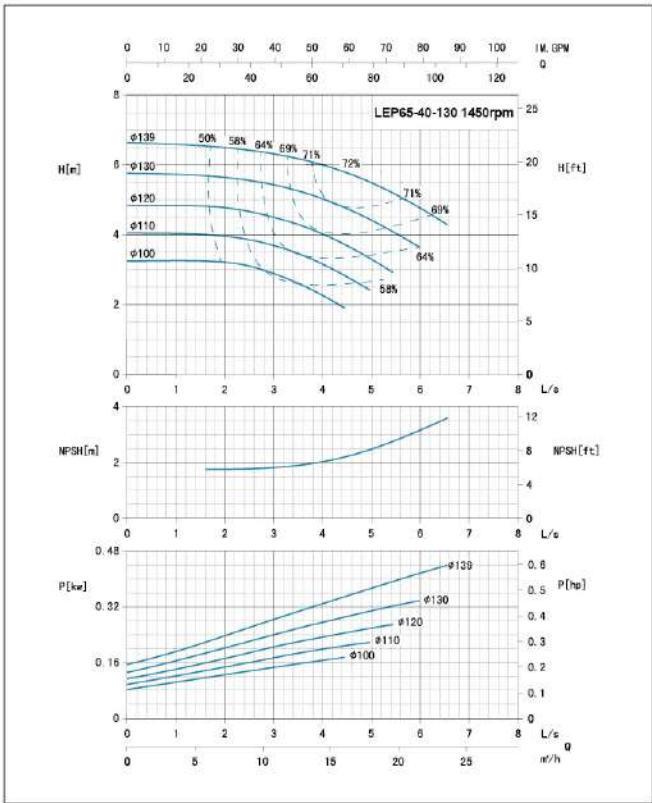
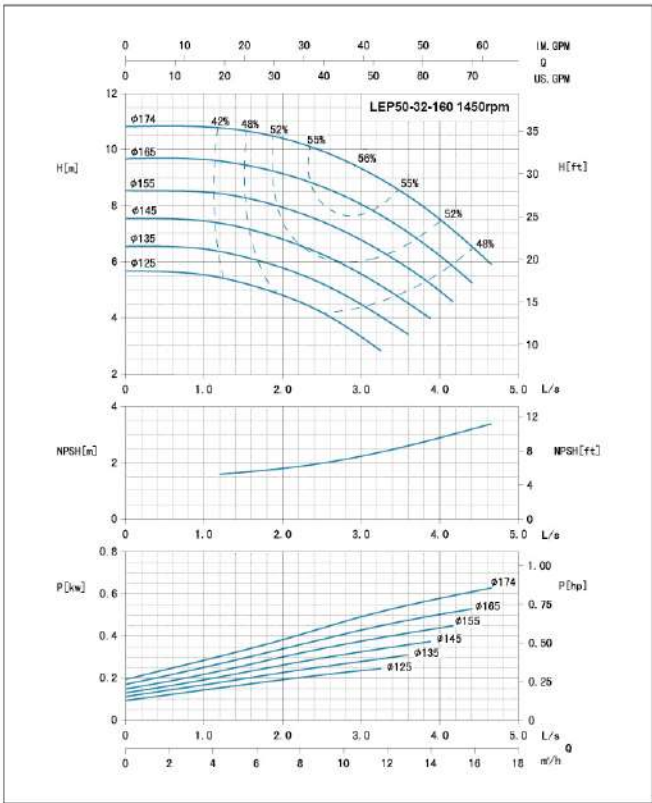
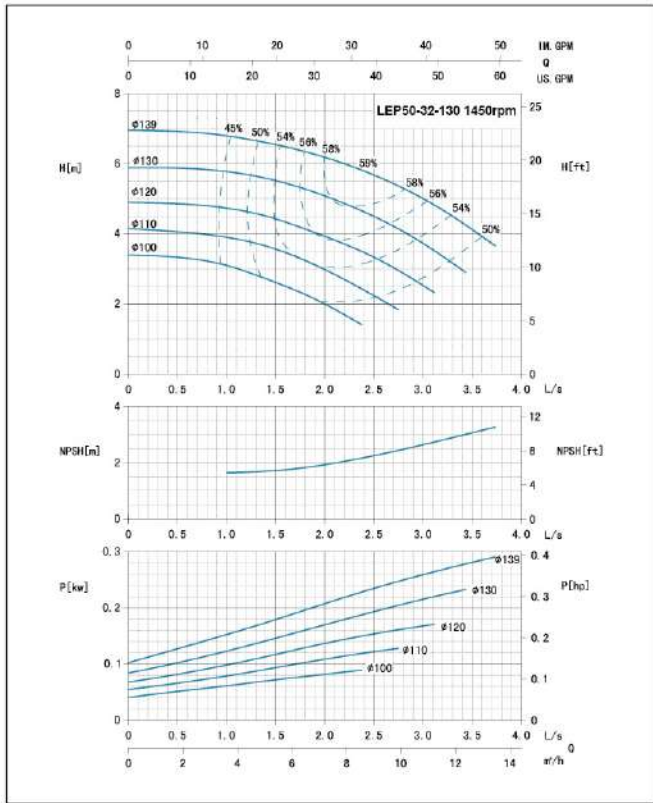


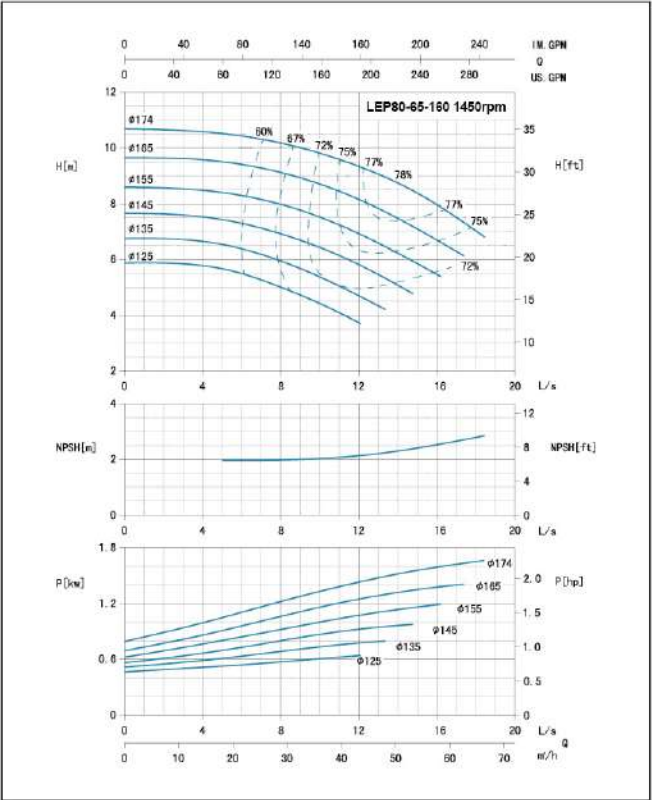
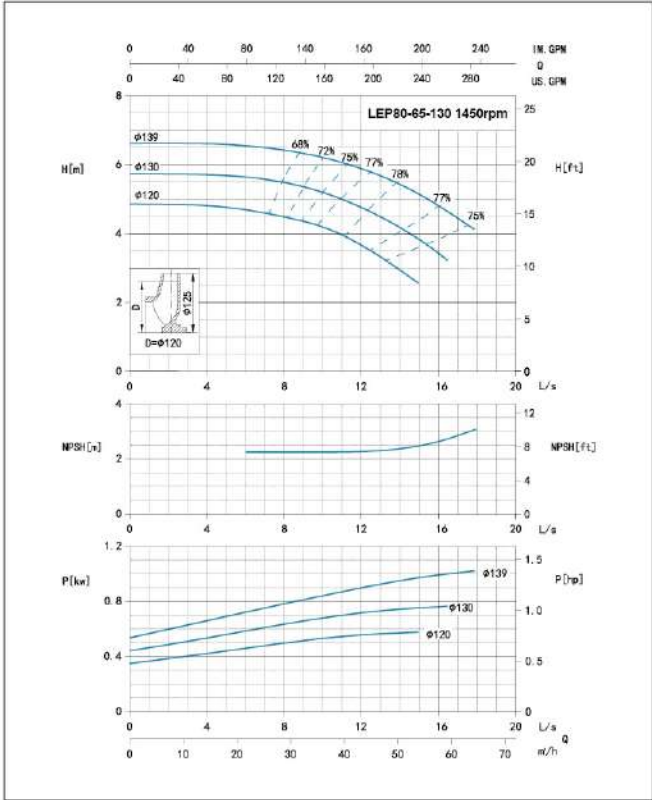
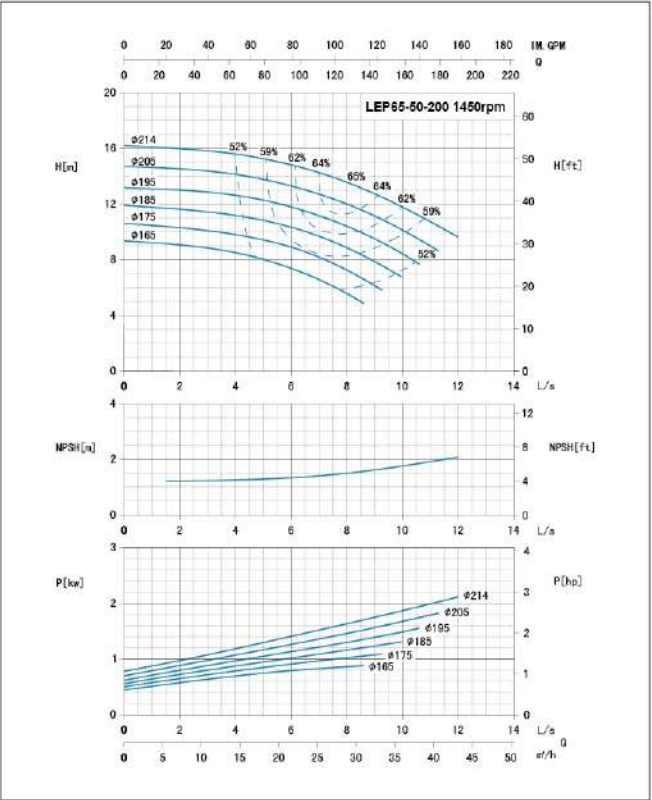
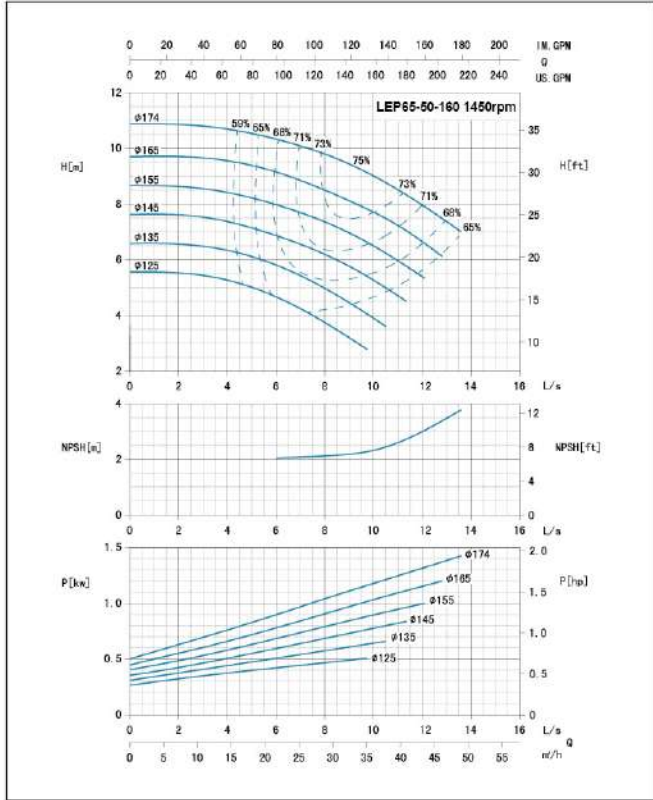
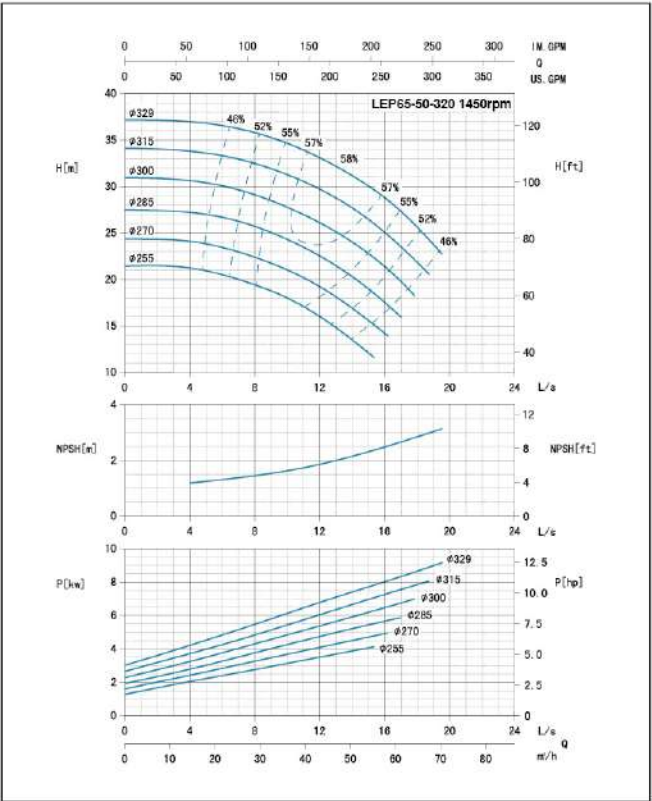
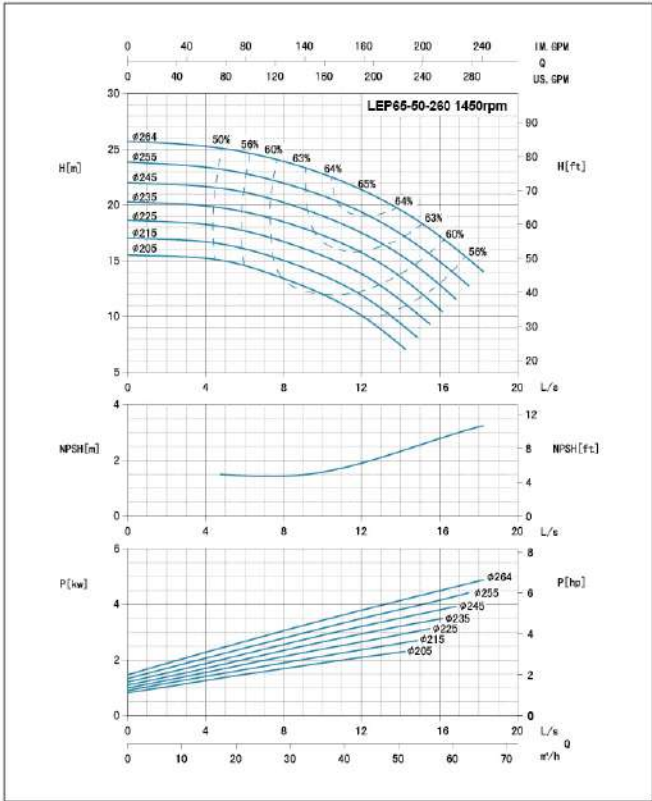
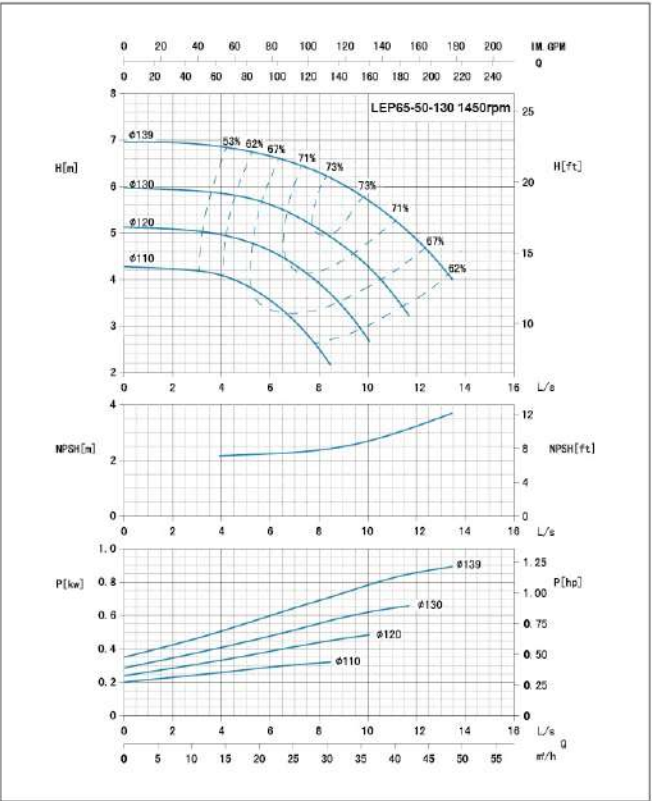
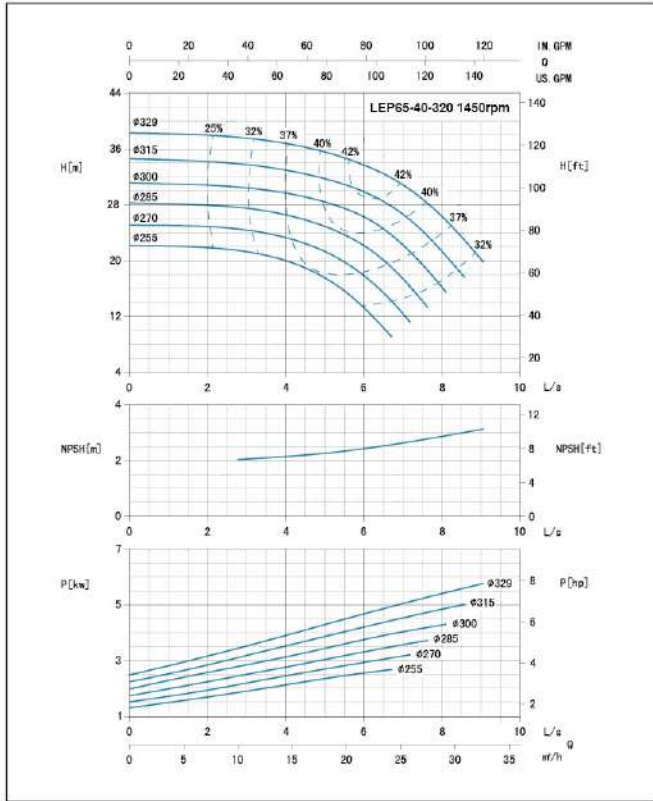
Model	Bearing ID (mm)	DN2	DN1	a	f	h1	h2	b	c	n3	m1	m2	n1	n2	S1	S2	w	d	l	t	u	Weight (Kg)		
LEP50-32-130	25	32	50	80	360	112	140	50	14	100	100	70	190	140	14	14	267	24	50	27	8	29		
LEP50-32-160						132	160						35											
LEP50-32-200						160	180						47											
LEP50-32-260	25	40	65	80	360	180	225	65	14	110	125	95	320	250	14	14	267	24	50	27	8	58		
LEP65-40-130						112	140						31											
LEP65-40-160						132	160						34											
LEP65-40-200	35	50	80	100	360	160	180	50	14	110	100	70	240	190	14	14	267	24	50	27	8	45		
LEP65-40-260(H)						180	225						61											
LEP65-40-320						200	250						94											
LEP65-40-320(H)	45	65	100	125	470	200	250	65	14	110	125	95	345	280	14	14	342	32	80	35	10	107		
LEP65-40-320G						526	200						250	105										
LEP65-50-130						132	160						35											
LEP65-50-160	25	50	80	100	360	160	180	50	14	110	100	70	265	212	14	14	267	24	50	27	8	39		
LEP65-50-200						180	225						49											
LEP65-50-260(H)						180	225						68											
LEP65-50-260G	35	65	100	125	470	180	225	65	14	110	125	95	320	250	14	14	344	32	80	35	10	65		
LEP65-50-320(H)						225	280						113											
LEP65-50-320G						225	280						105											
LEP80-65-130	25	65	80	100	360	160	180	65	14	110	125	95	280	212	14	14	267	24	50	27	8	41		
LEP80-65-160						180	200						55											
LEP80-65-200(H)						180	225						60											
LEP80-65-200G	35	80	100	125	465	180	225	80	18	110	160	120	360	280	18	18	339	32	80	35	10	87		
LEP80-65-260						200	250						110											
LEP80-65-320(H)						470	225						280	120										
LEP80-65-320G	45	100	125	150	526	225	280	65	14	110	125	95	400	315	14	14	367	42	110	45	12	120		
LEP100-80-160						180	225						76											
LEP100-80-200						180	250						95											
LEP100-80-260(H)	35	80	100	125	470	200	280	80	16	110	160	120	400	315	18	18	342	32	80	35	10	95		
LEP100-80-320(H)						250	315						118											
LEP100-80-320G						526	250						315	130										
LEP100-80-400	45	100	125	150	530	280	355	83	18	110	160	120	440	340	18	18	370	42	110	45	12	160		
LEP125-100-160						200	250						80	15								400	315	87
LEP125-100-200						200	280						84											
LEP125-100-260(H)	35	100	125	150	470	225	280	80	16	110	160	120	400	315	18	18	342	32	80	35	10	102		
LEP125-100-320						250	315						118											
LEP125-100-400						530	280						355	100								20	370	42
LEP150-125-200	35	125	150	180	470	250	315	80	16	110	160	120	400	315	18	18	342	32	80	35	10	112		
LEP150-125-260						250	355						117											
LEP150-125-320						280	355						155											
LEP150-125-400	45	150	200	250	530	315	400	100	20	110	200	150	500	400	23	23	370	42	110	45	12	178		
LEP150-125-500						670	355						450	300										
LEP200-150-200						555	280						400	132										
LEP200-150-260	45	150	200	250	530	250	355	100	18	110	200	150	400	315	23	23	342	32	80	35	10	183		
LEP200-150-320						280	400						170											
LEP200-150-400						315	450						207											
LEP200-150-500	55	200	250	300	670	375	500	120	22	110	250	200	660	510	23	19	515	80	140	64	18	330		
LEP250-200-260	45	200	250	180	555	315	450	100	20	110	220	250	170	600	480	28	28	392	42	110	45	12	219	
LEP250-200-320						670	315																480	296
LEP250-200-400						670	335																480	328
LEP250-200-500	65	200	250	200	720	425	560	100	22	140	200	150	660	560	23	19	515	80	140	64	18	450		
LEP300-250-320	55	250	300	220	891	355	520	150	26	110	250	200	660	510	28	14	525	48	110	51	14	386		
LEP300-250-400						682	400						560	396										
LEP300-250-500						720	450						670	120								32	550	140
LEP350-300-400	65	300	350	300	720	425	670	120	30	140	250	190	760	660	30	19	515	80	140	64	18	550		

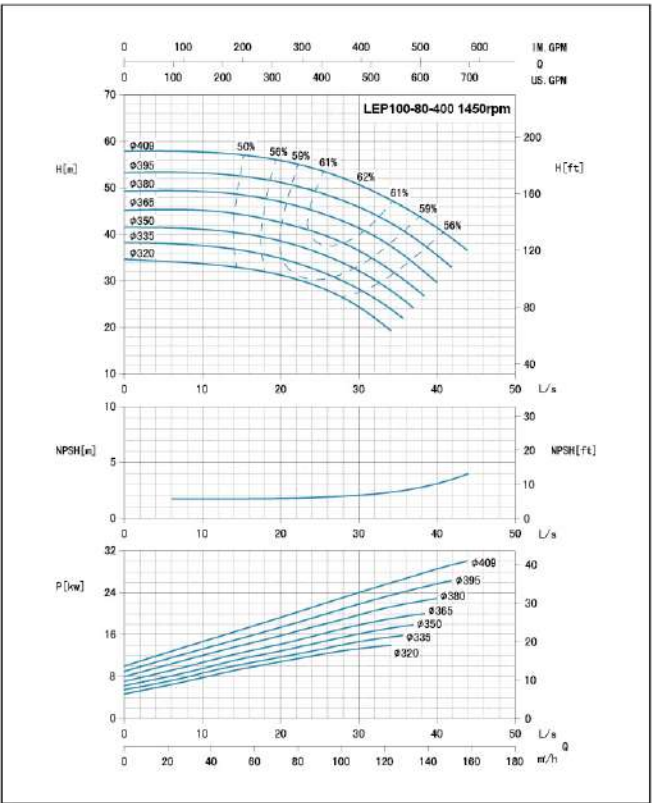
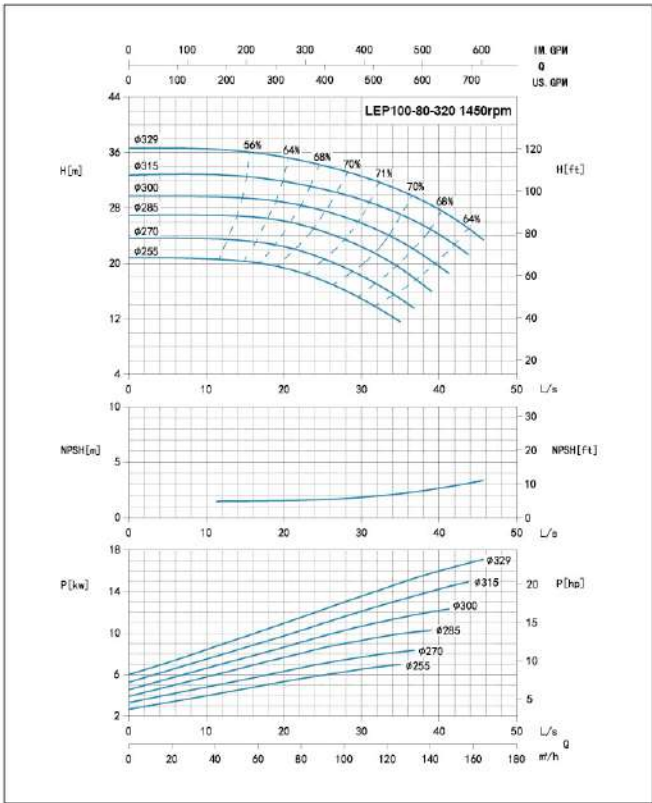
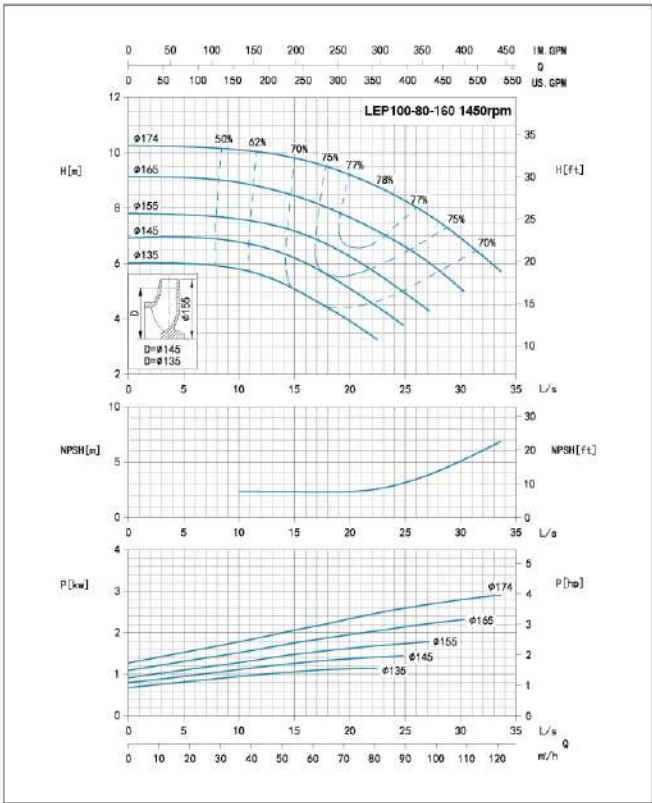
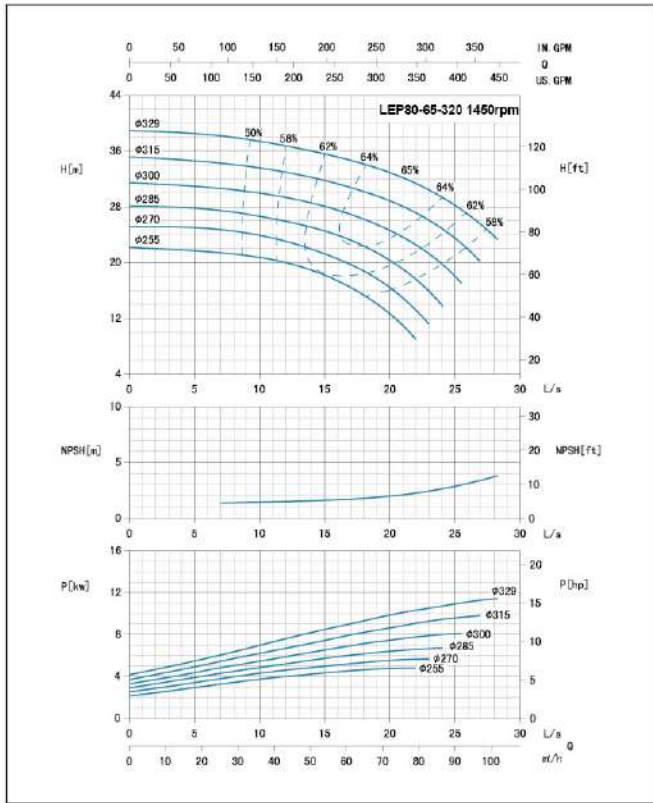
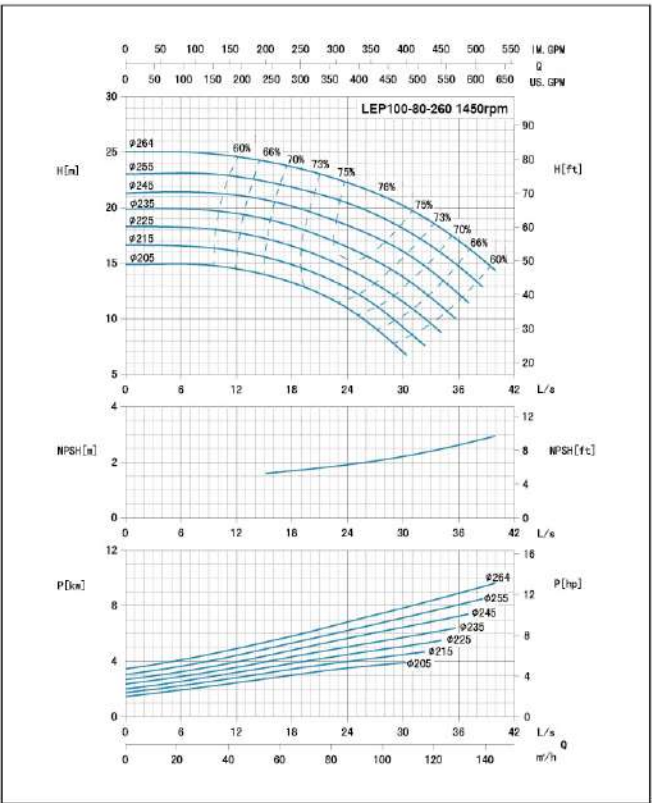
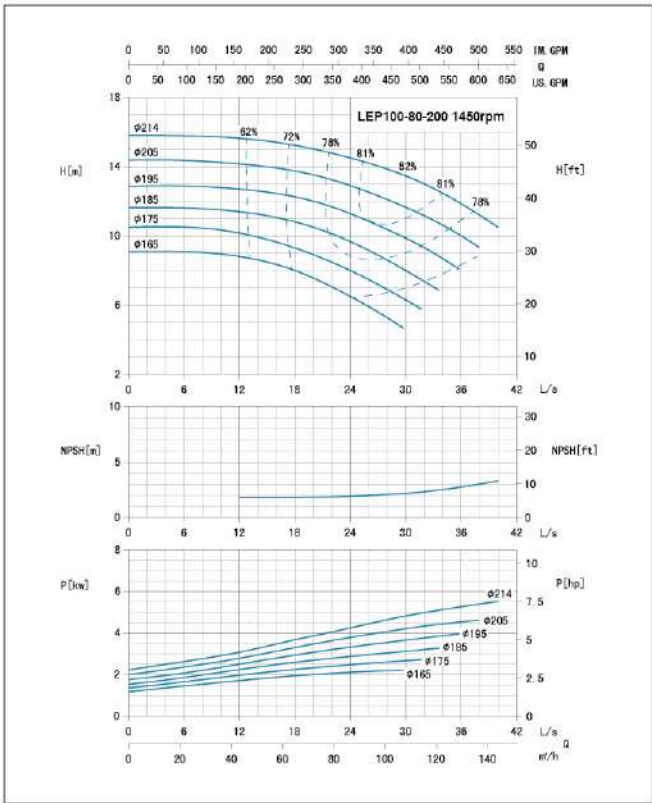
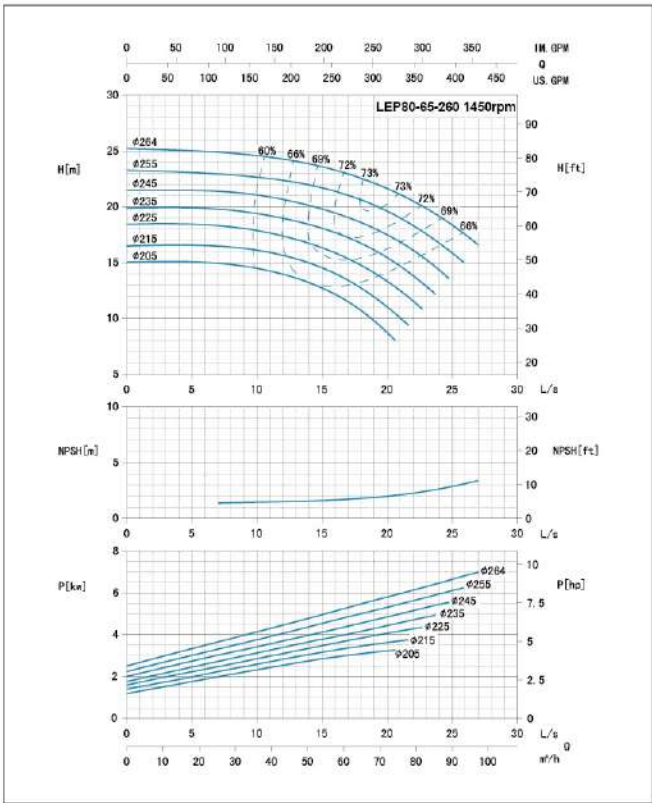
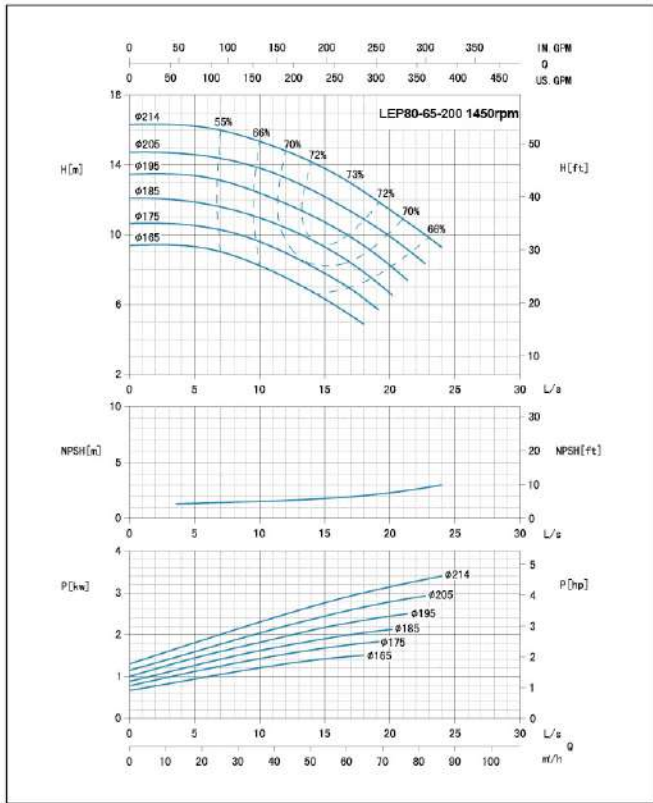


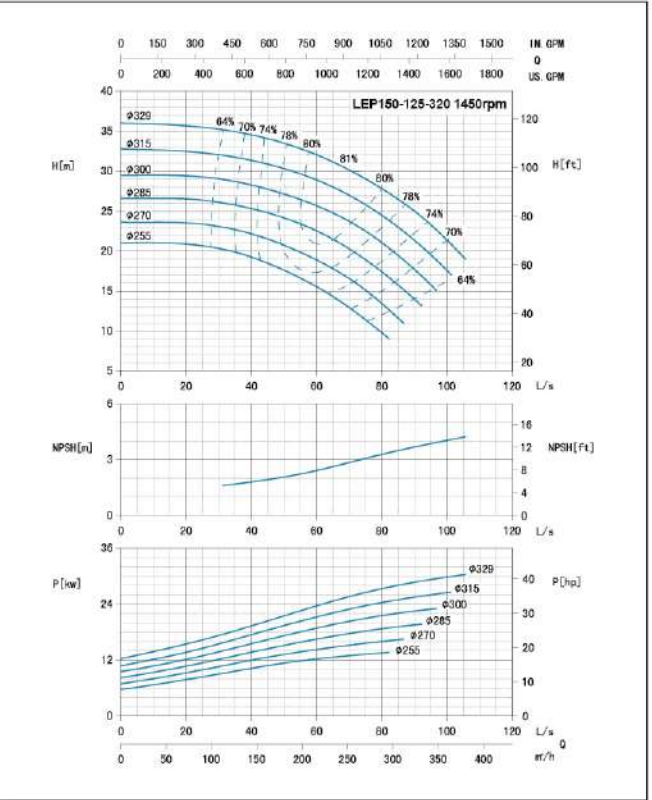
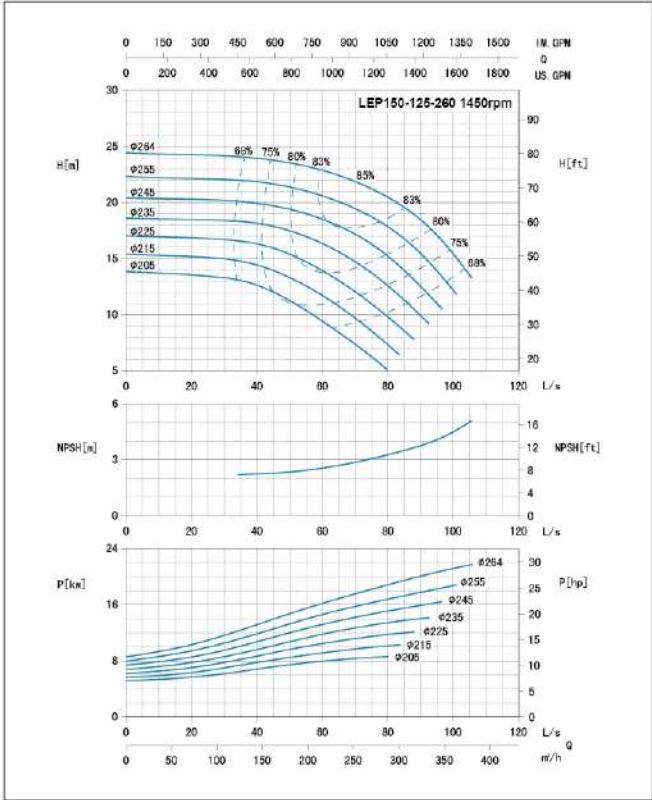
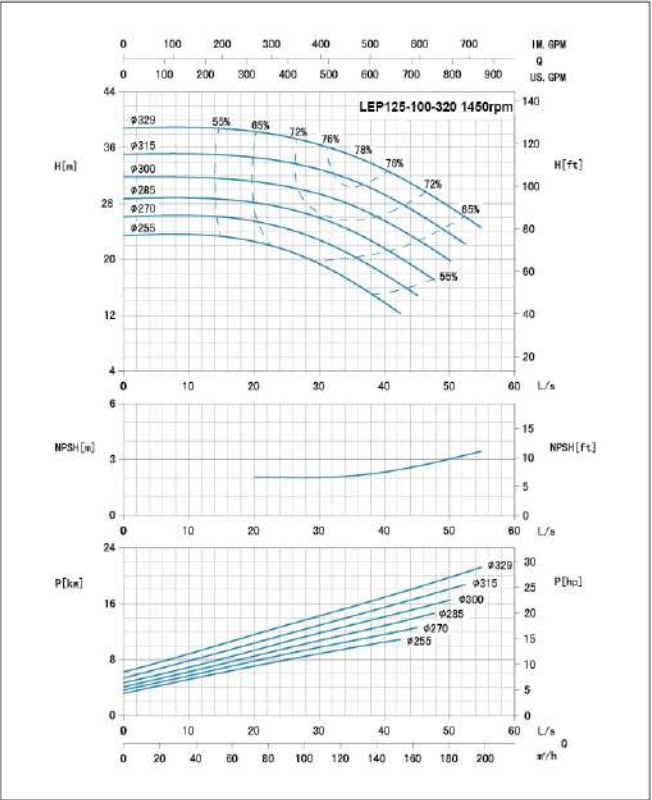
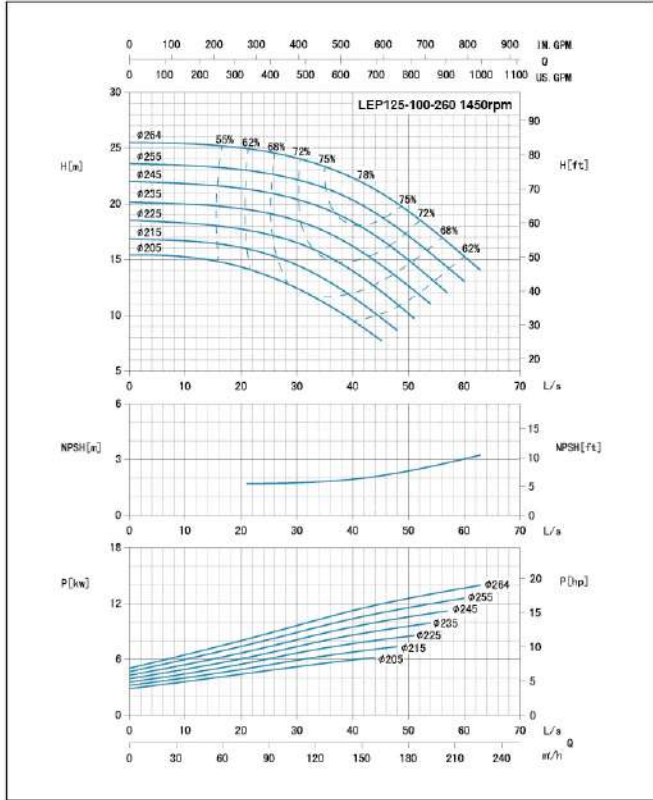
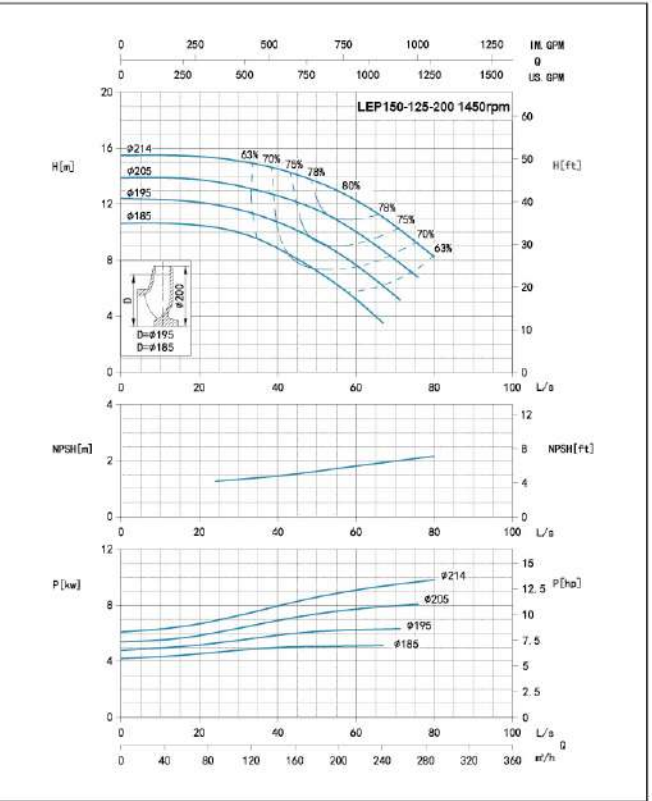
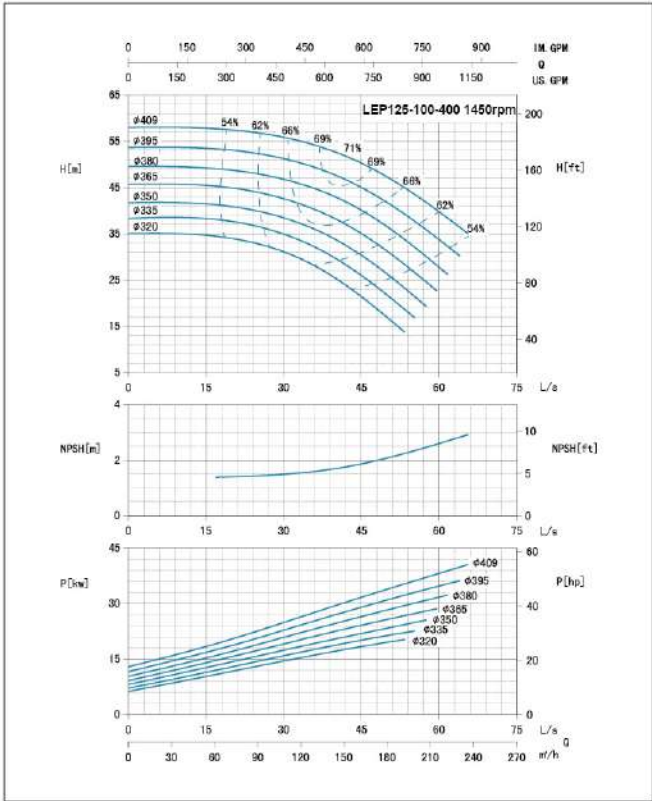
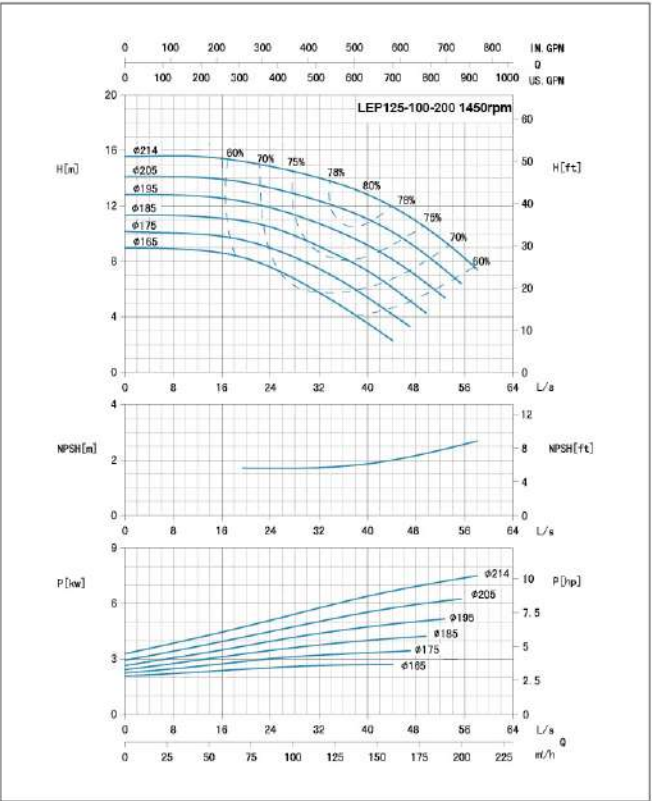
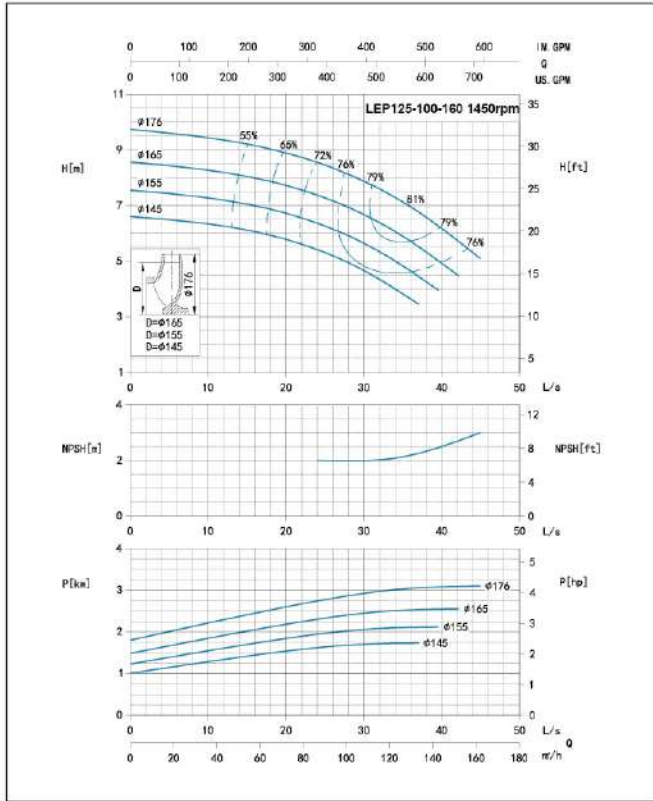


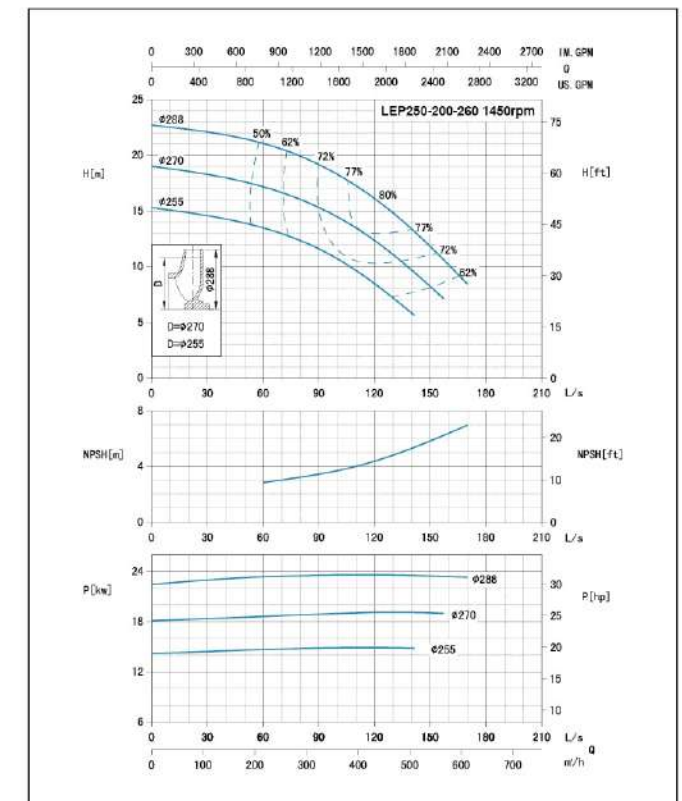
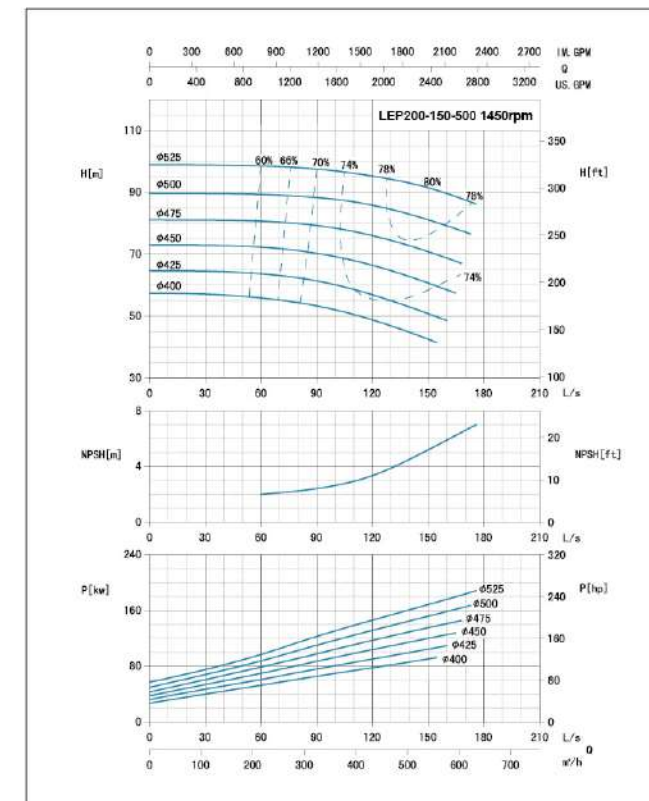
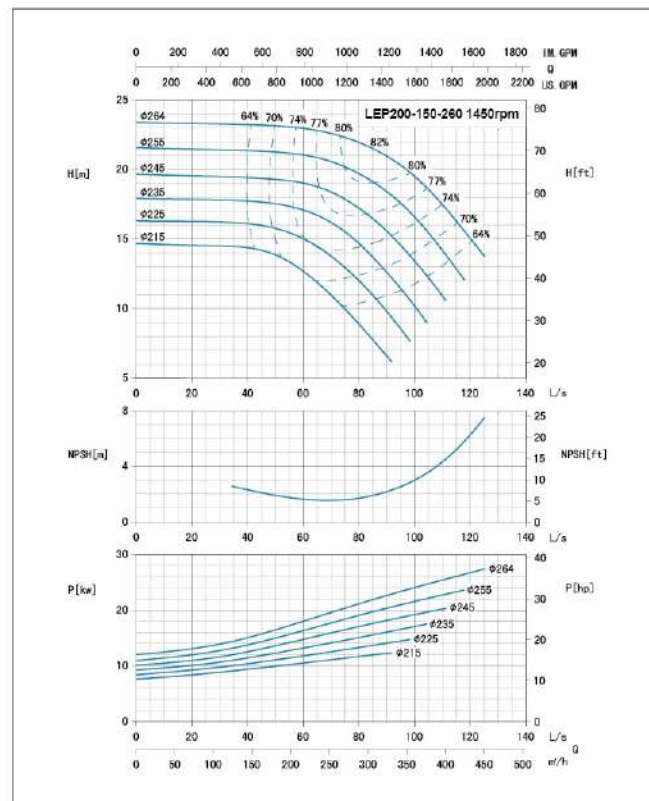
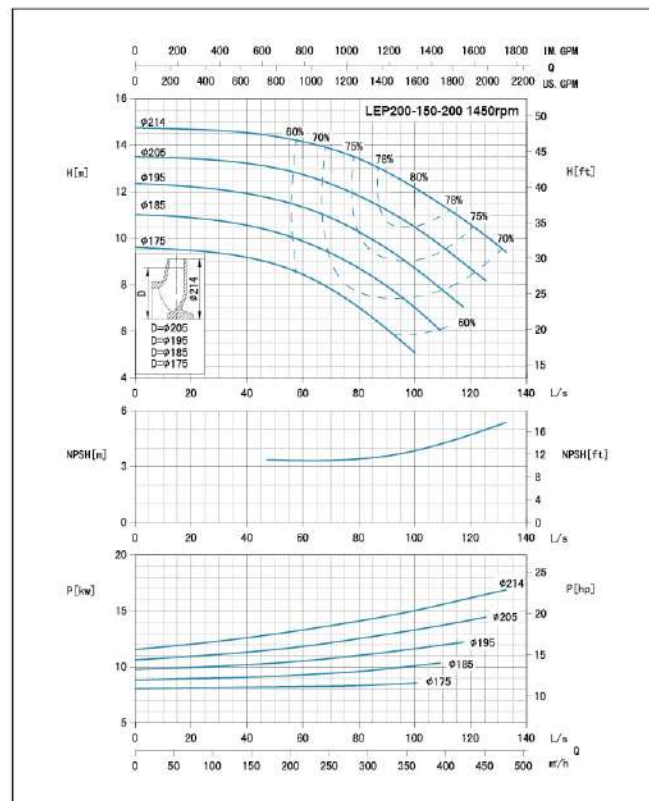
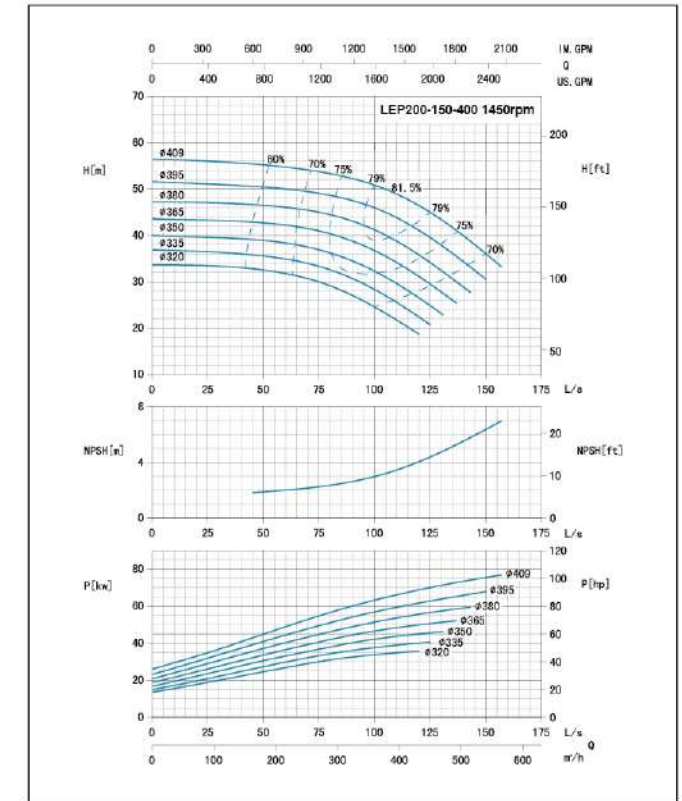
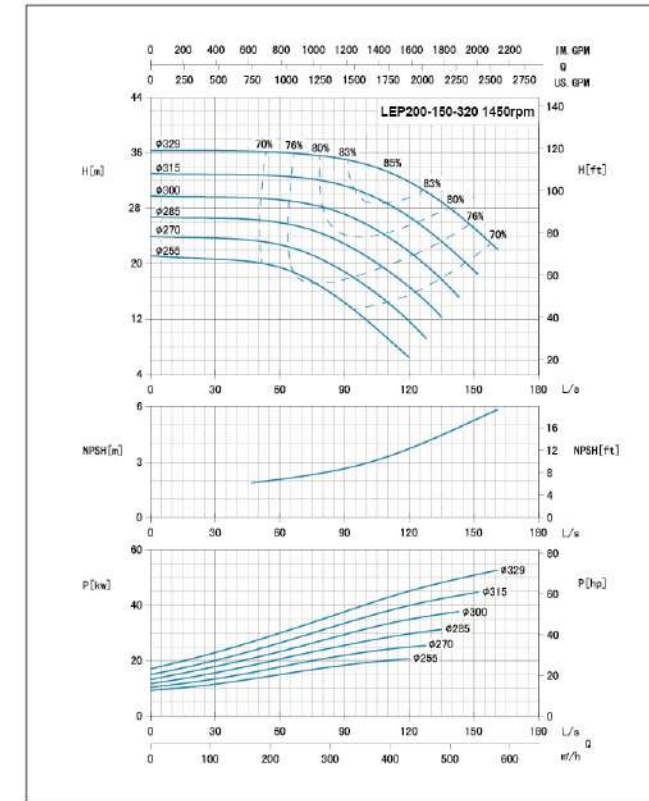
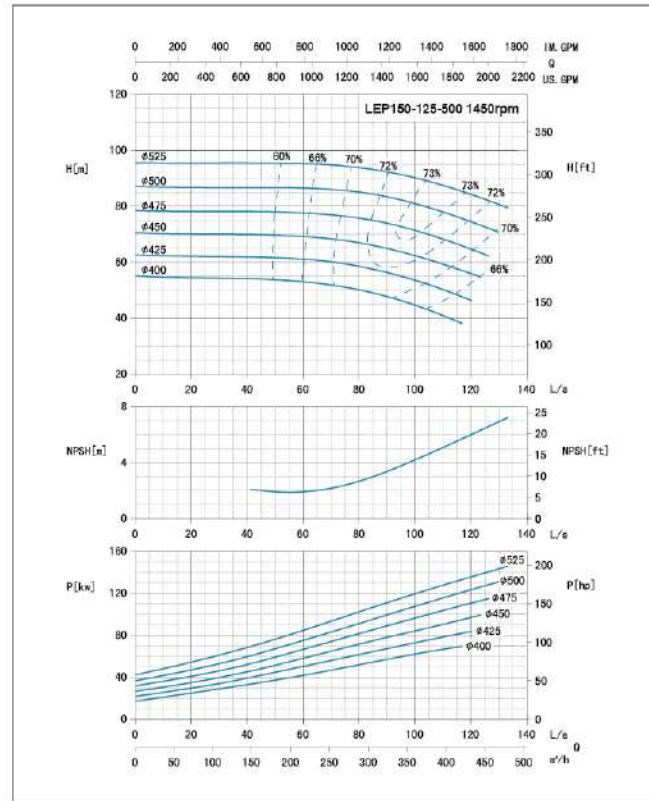
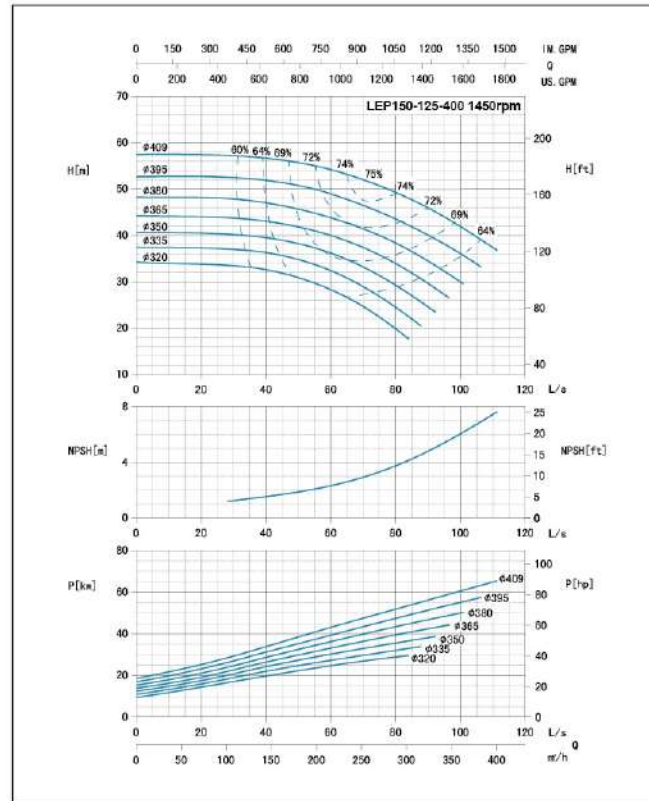


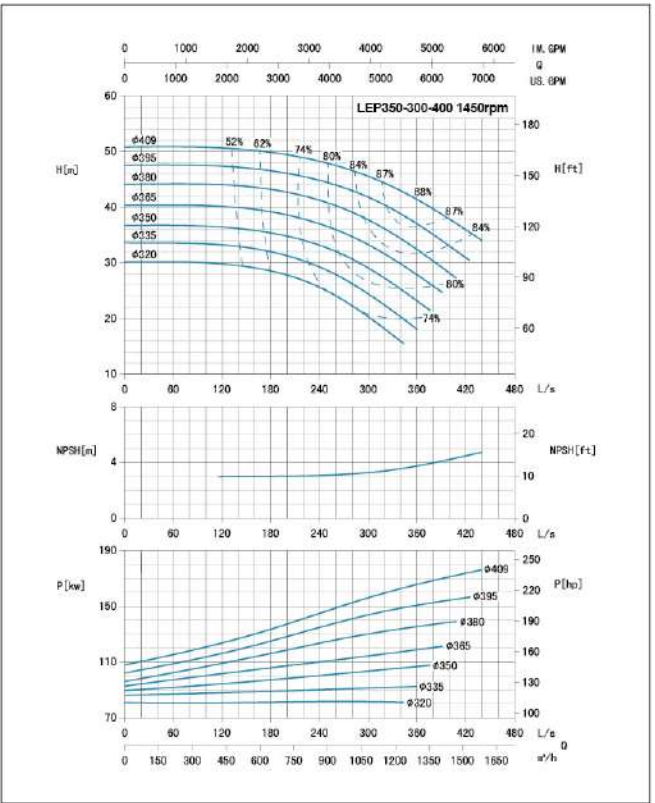
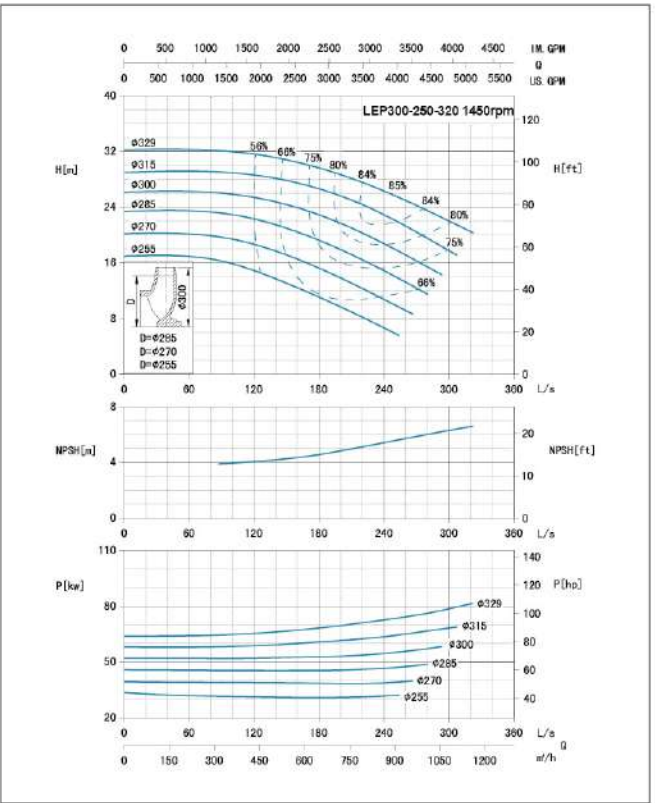
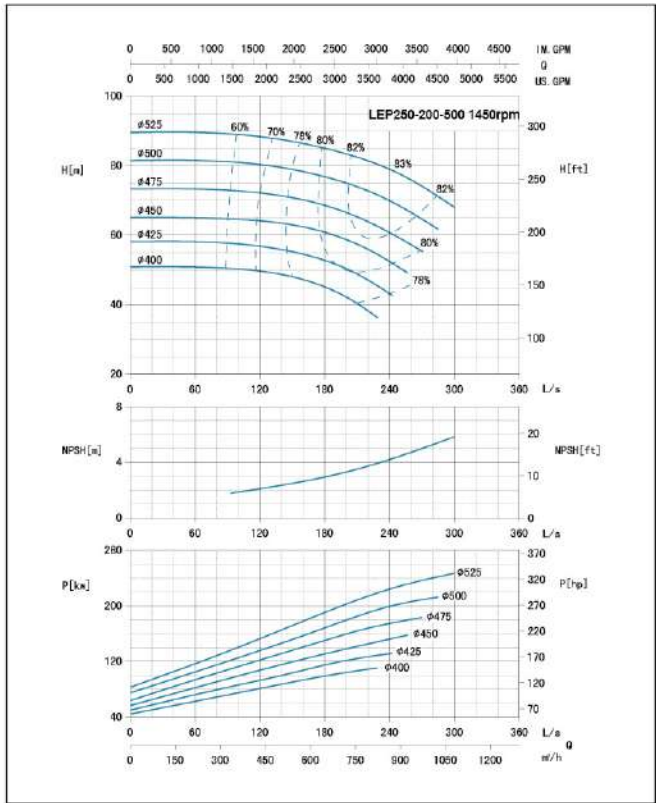
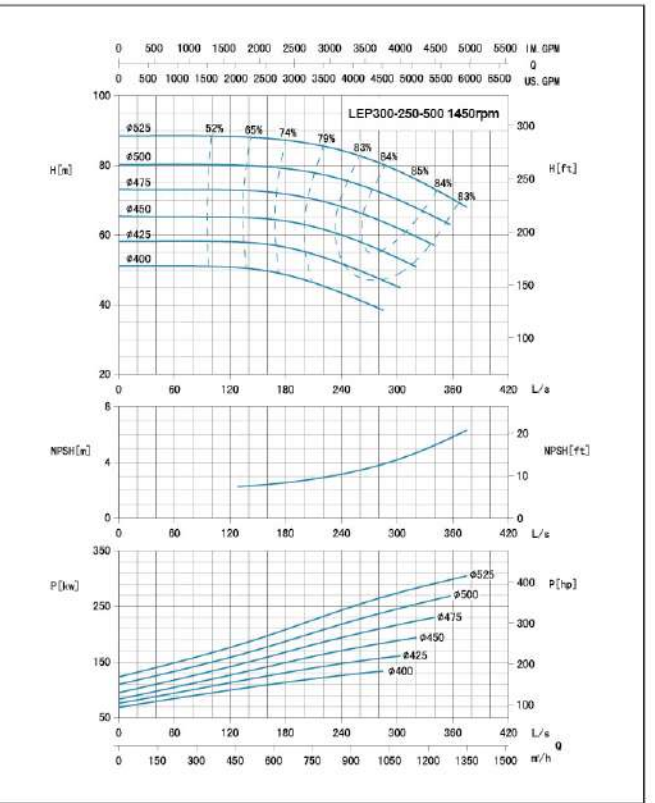
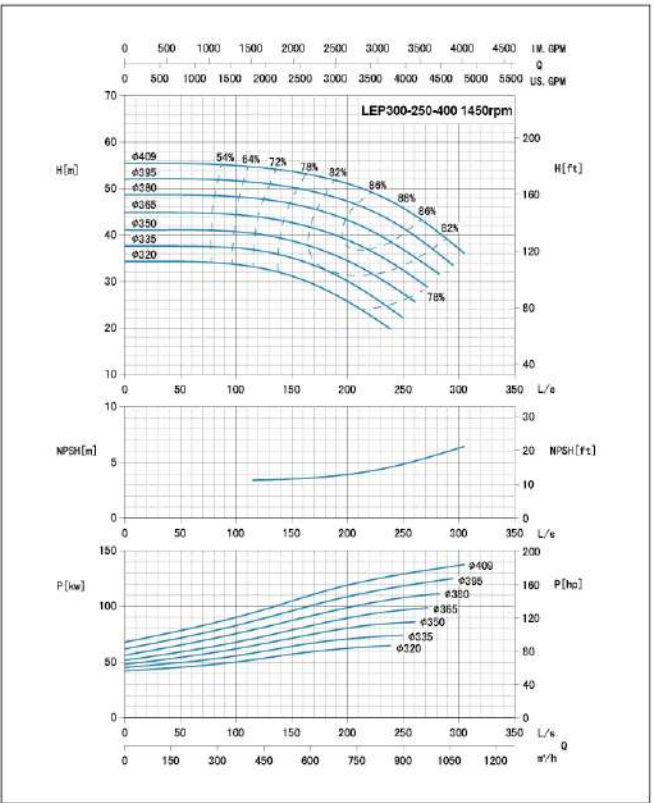
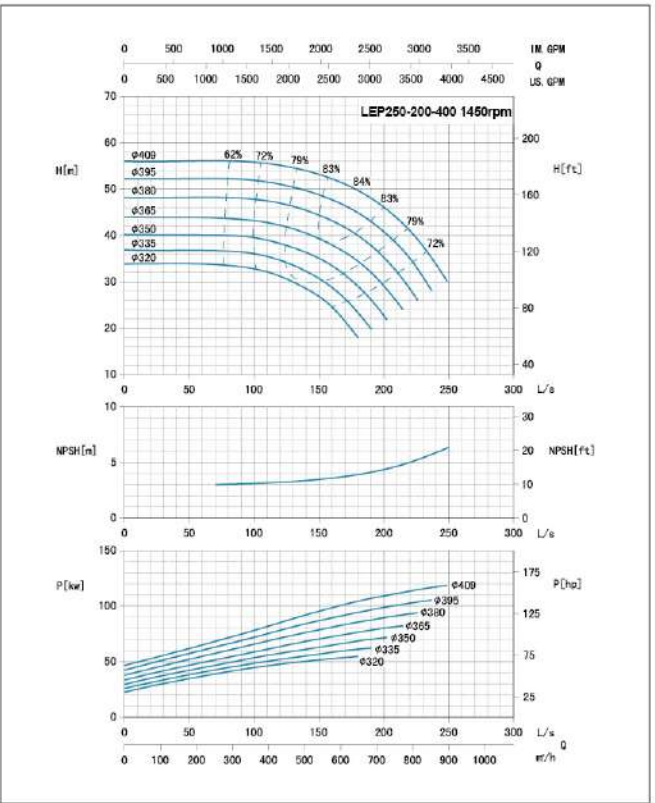
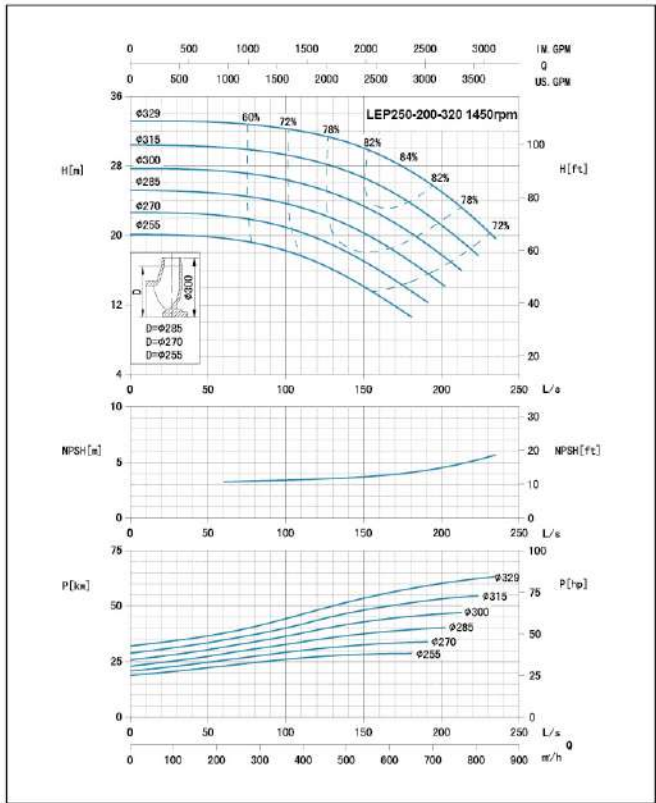


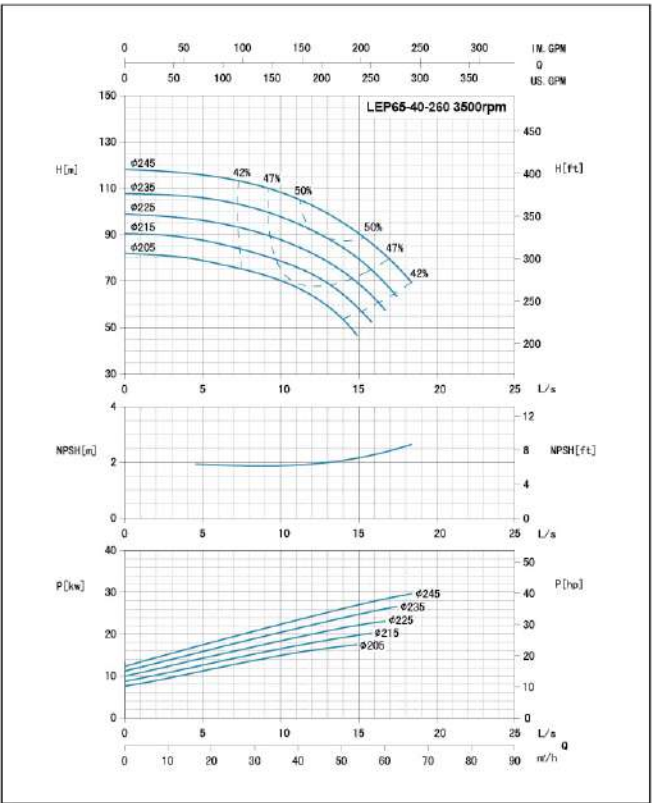
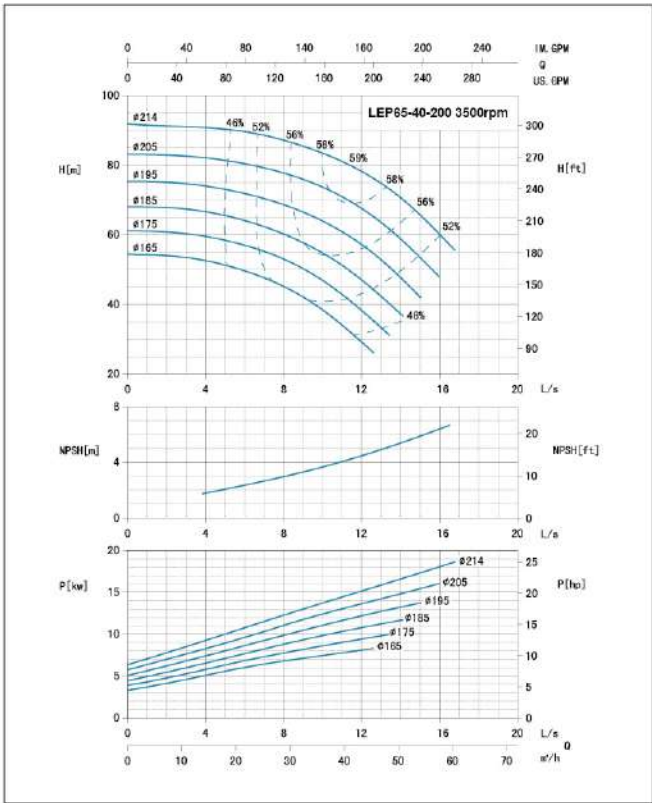
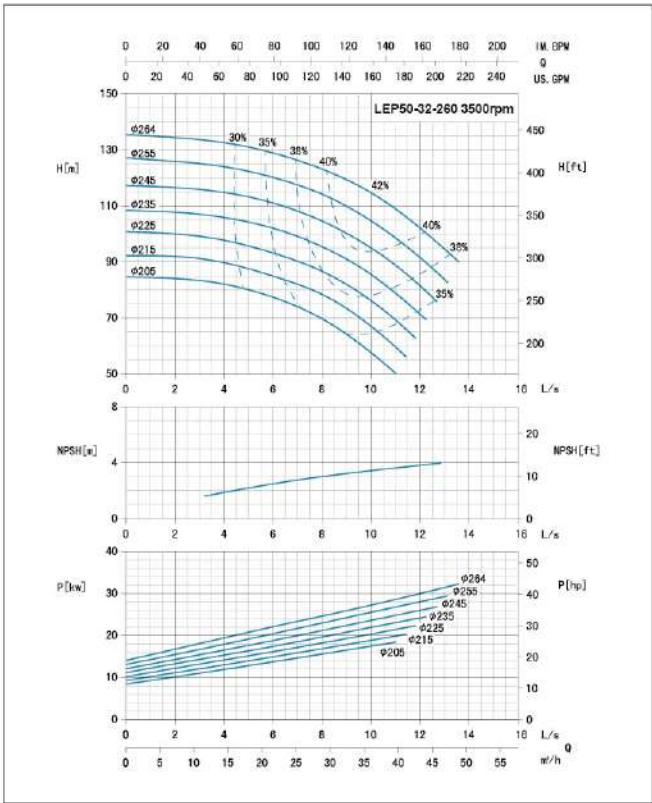
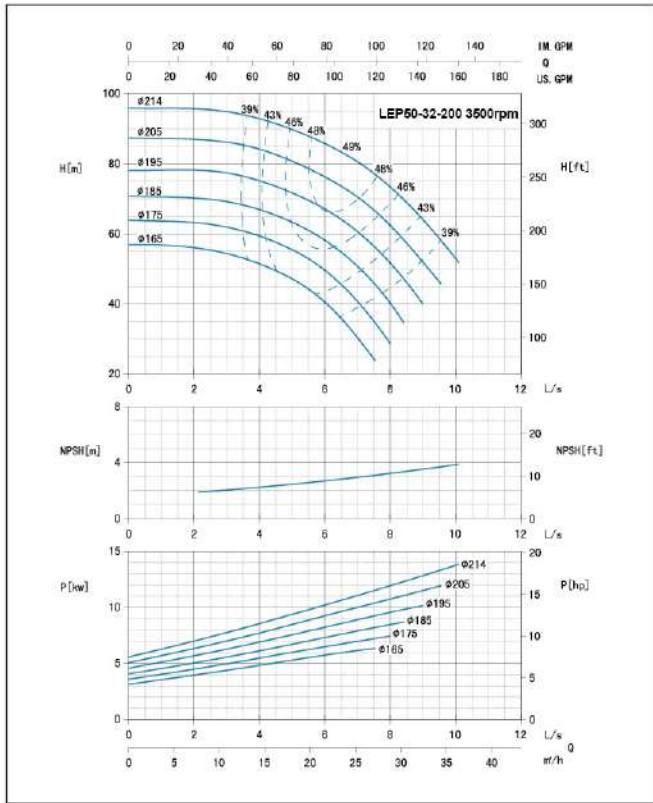
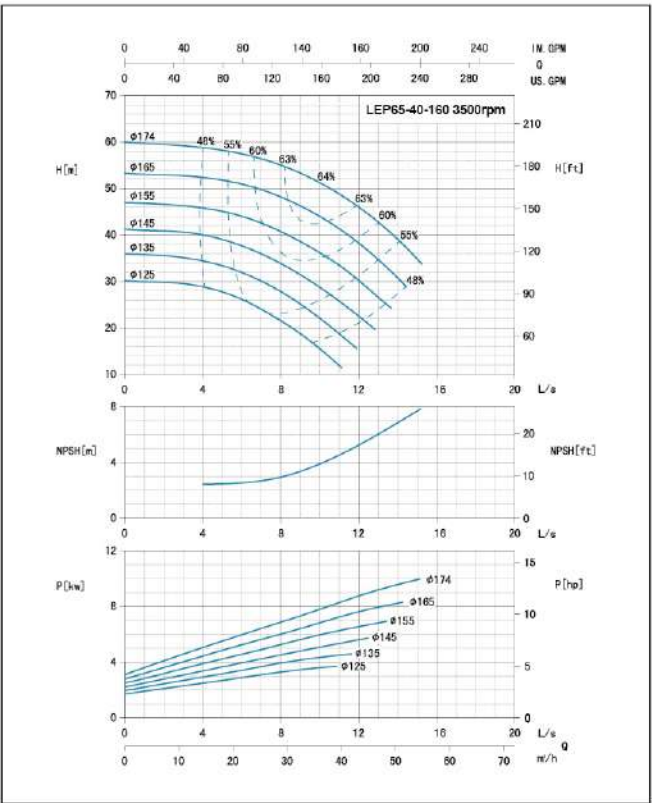
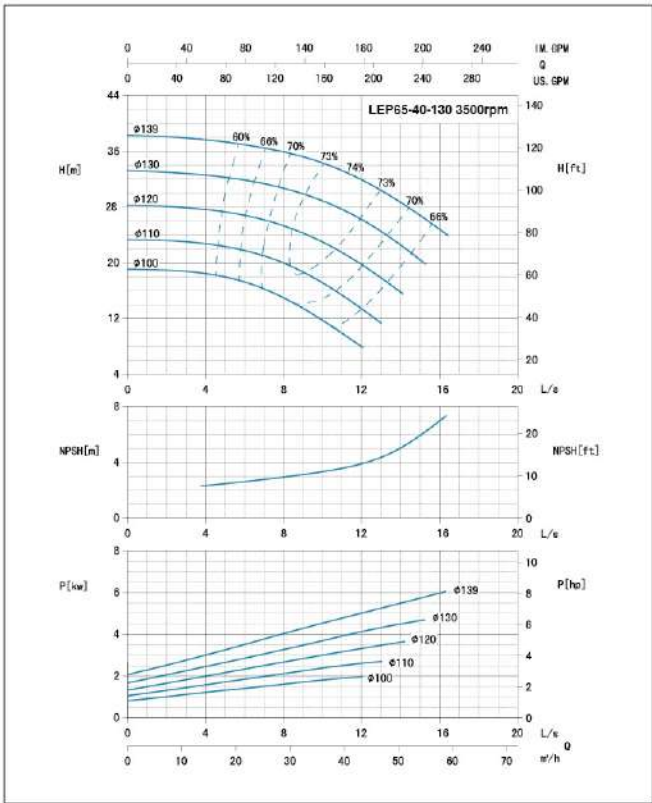
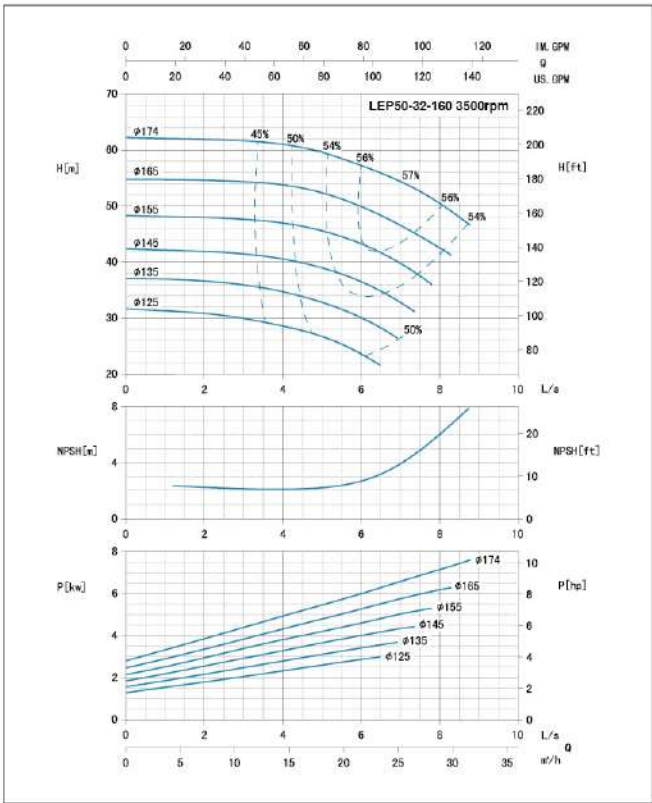
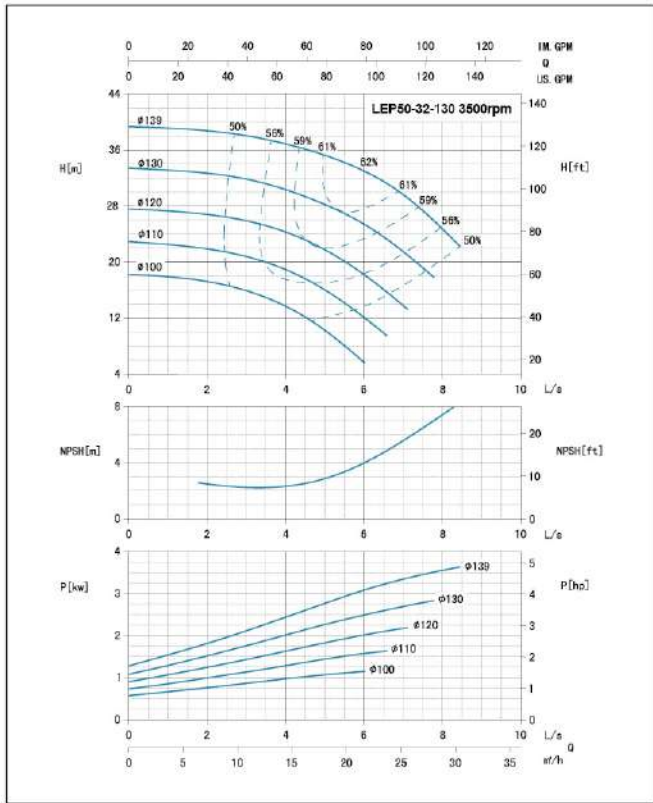


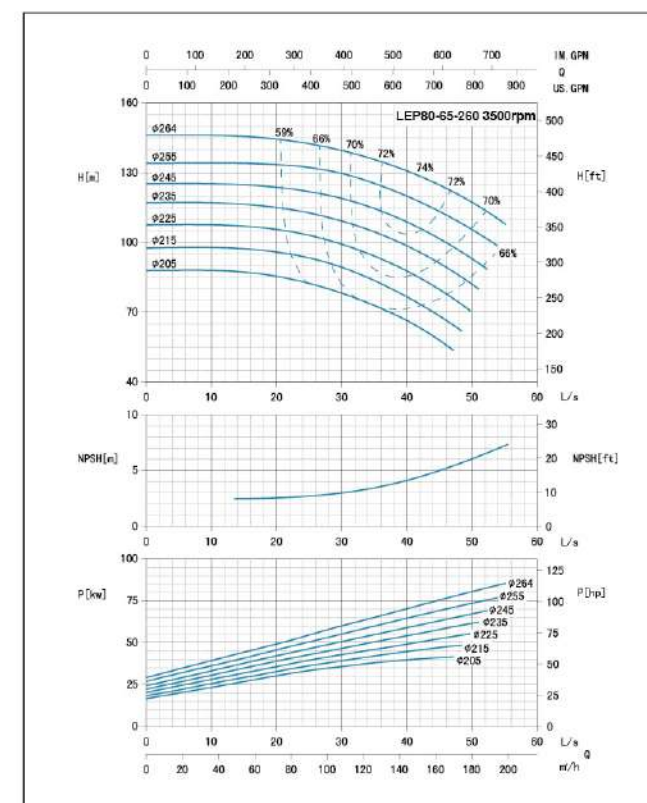
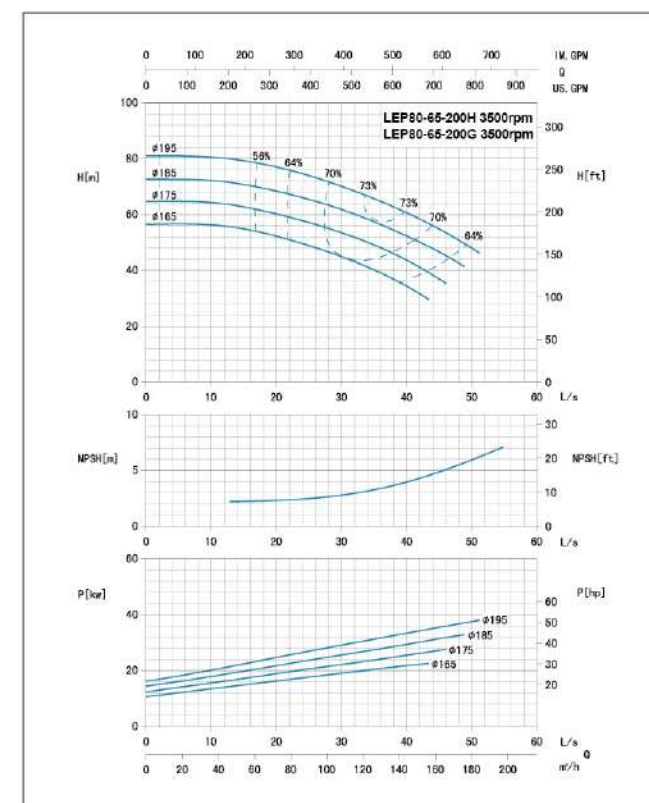
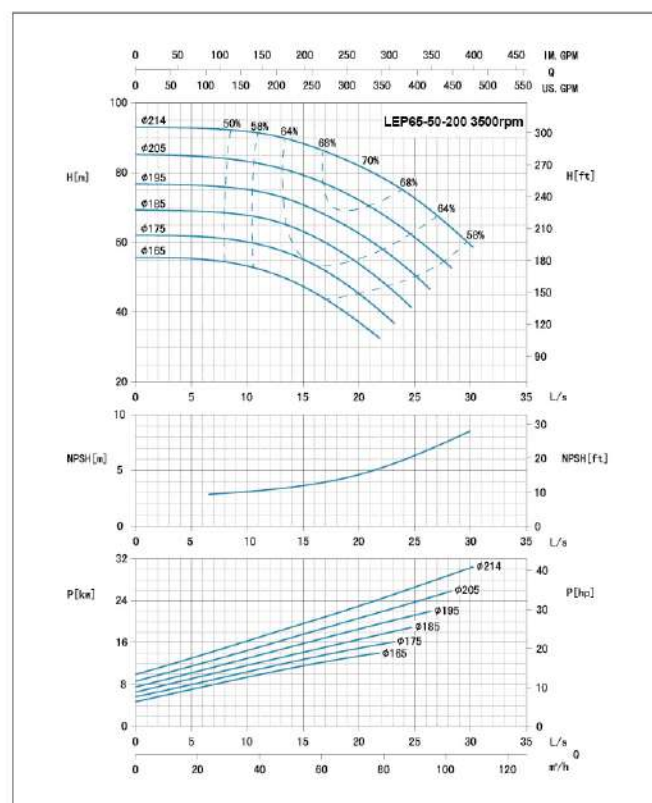
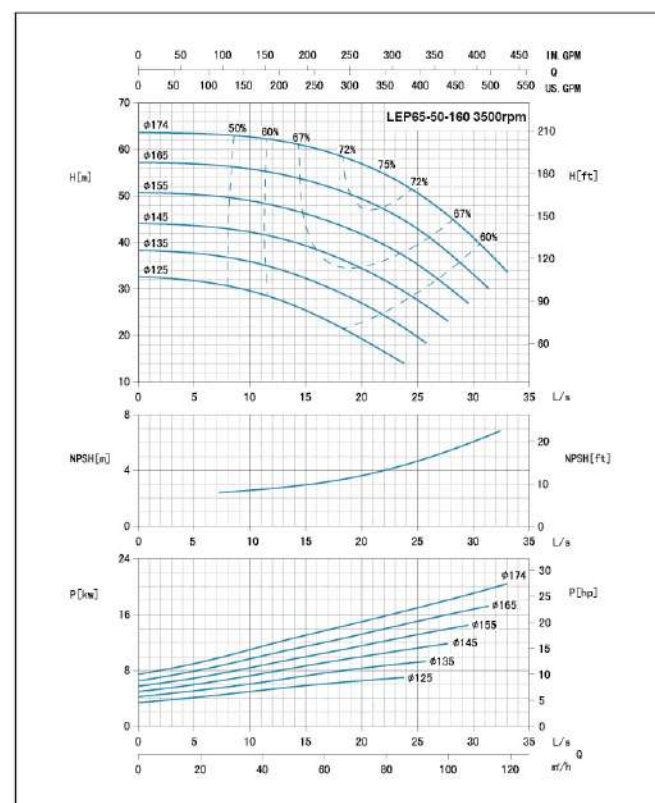
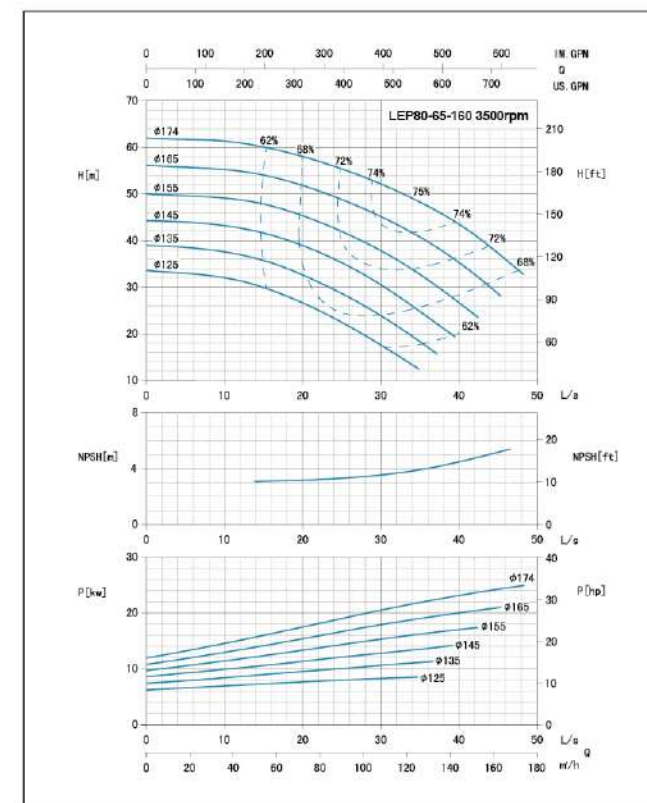
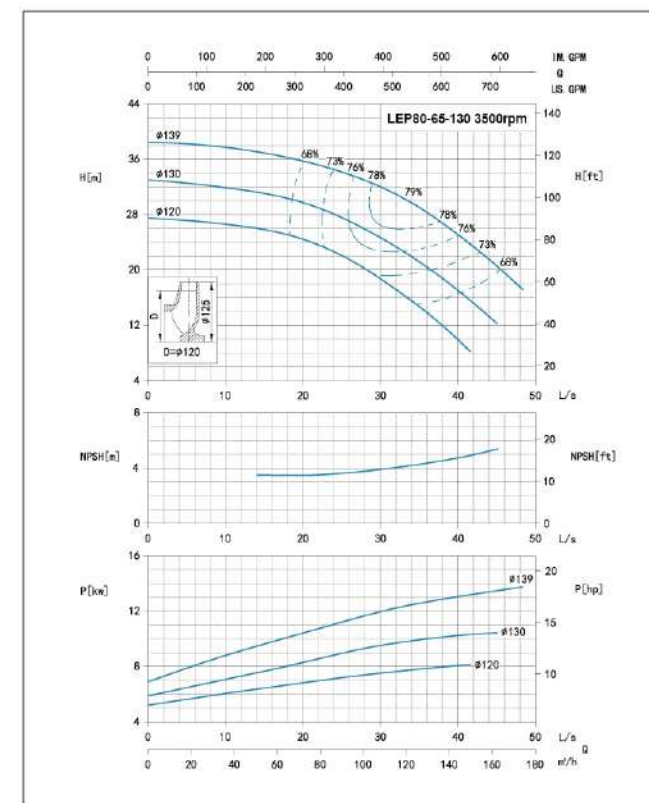
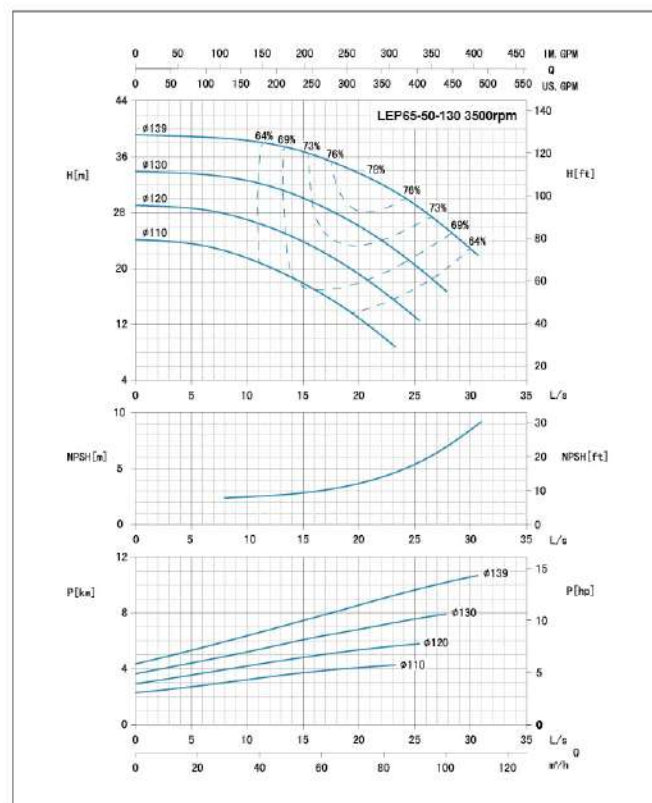
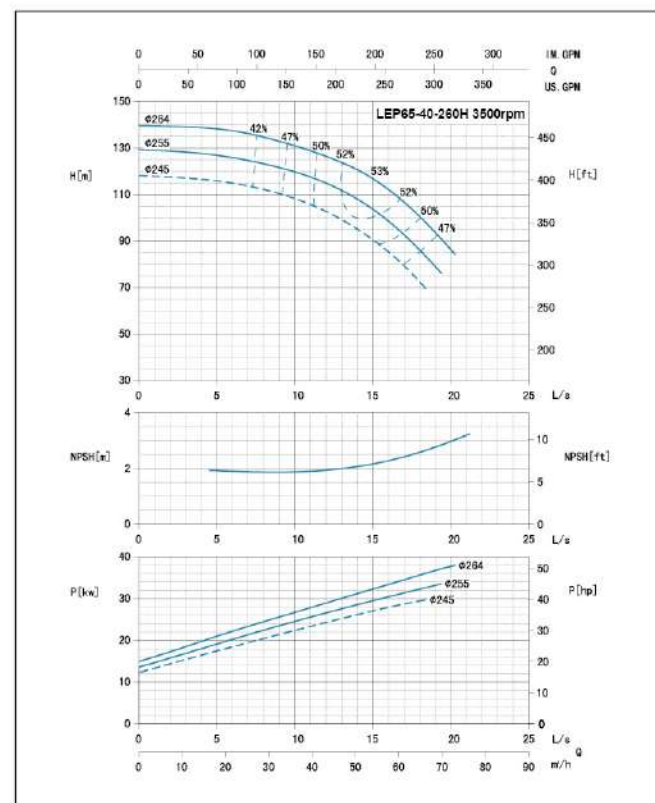


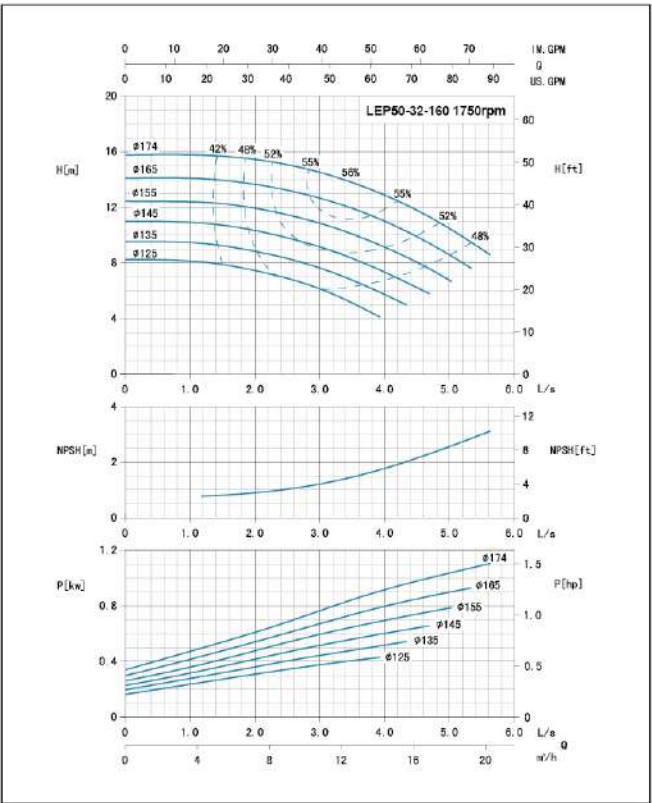
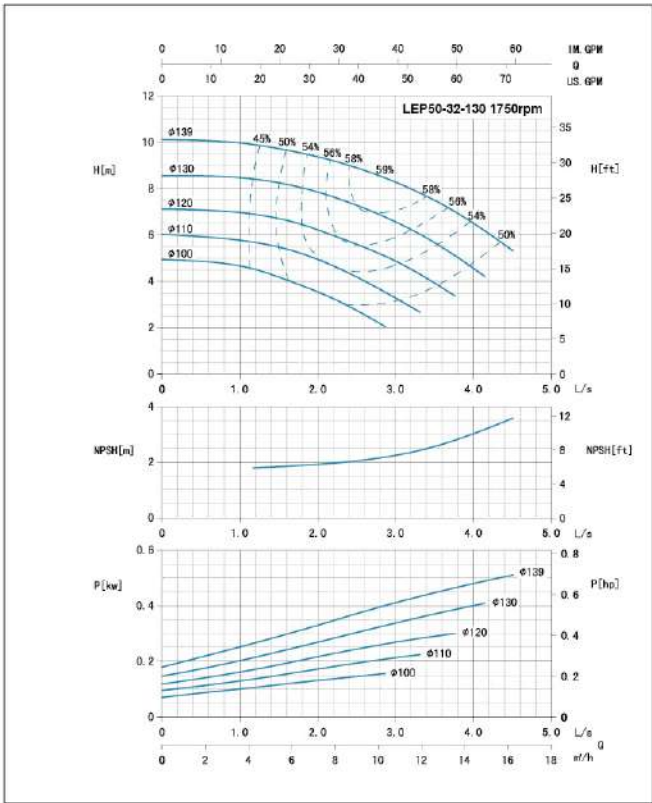
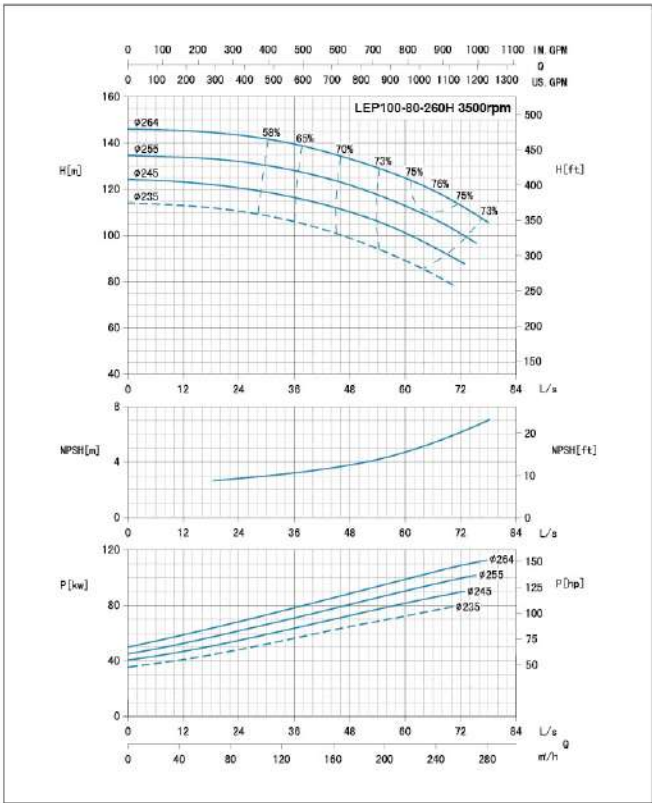
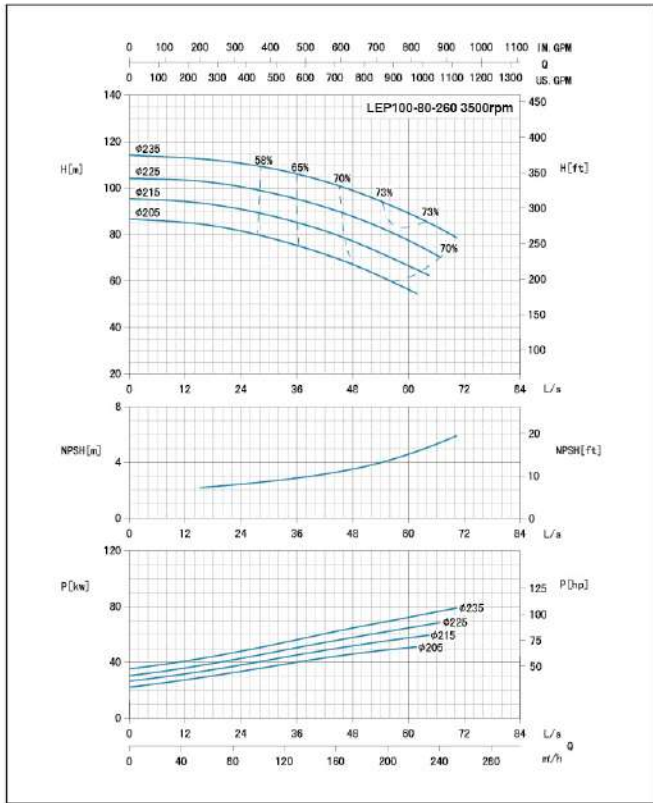
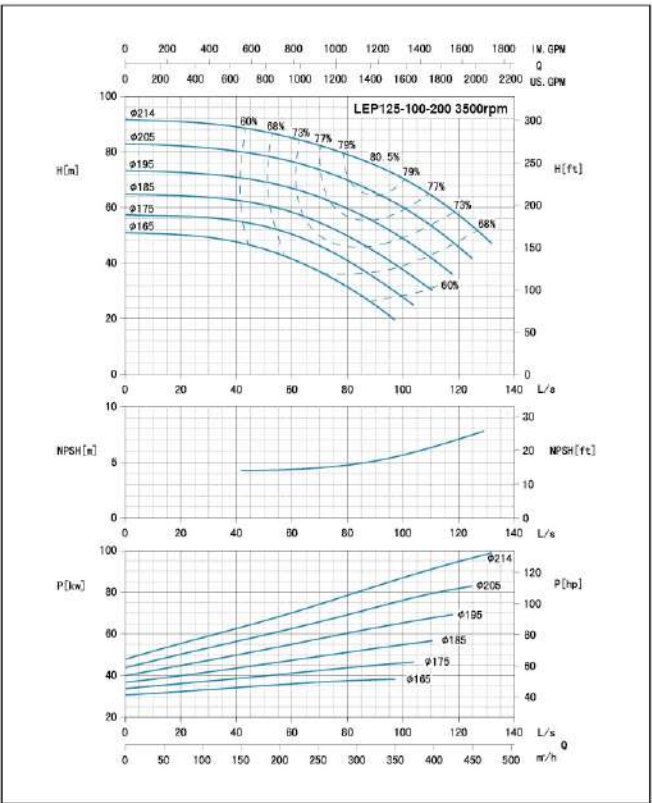
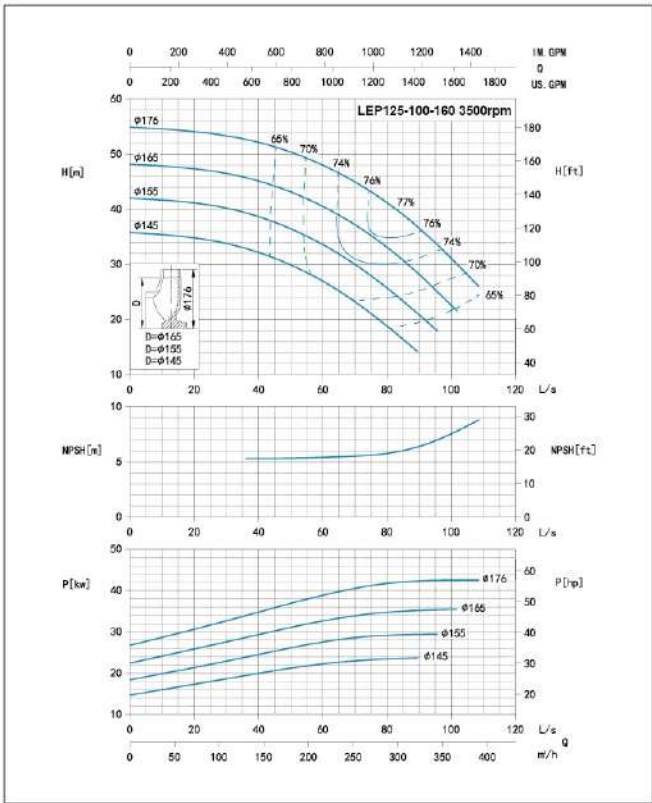
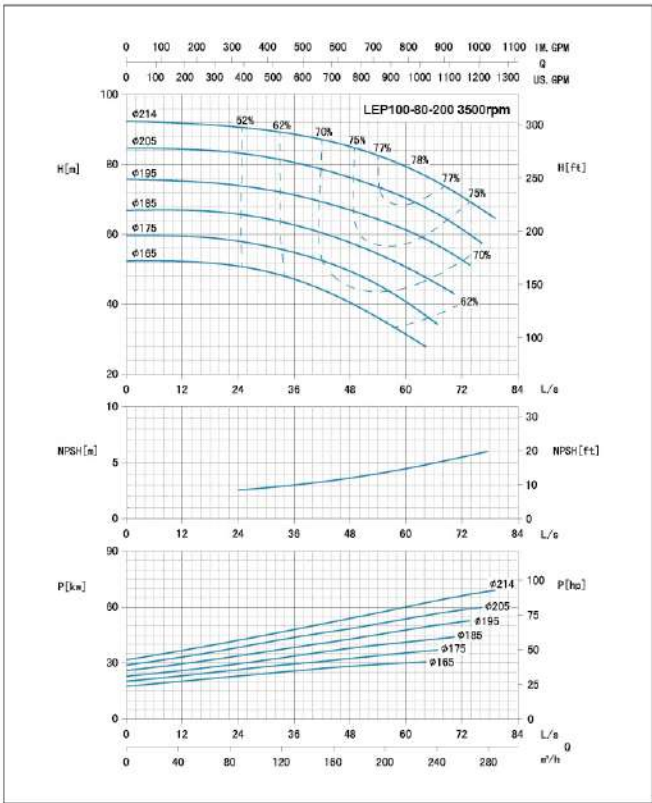
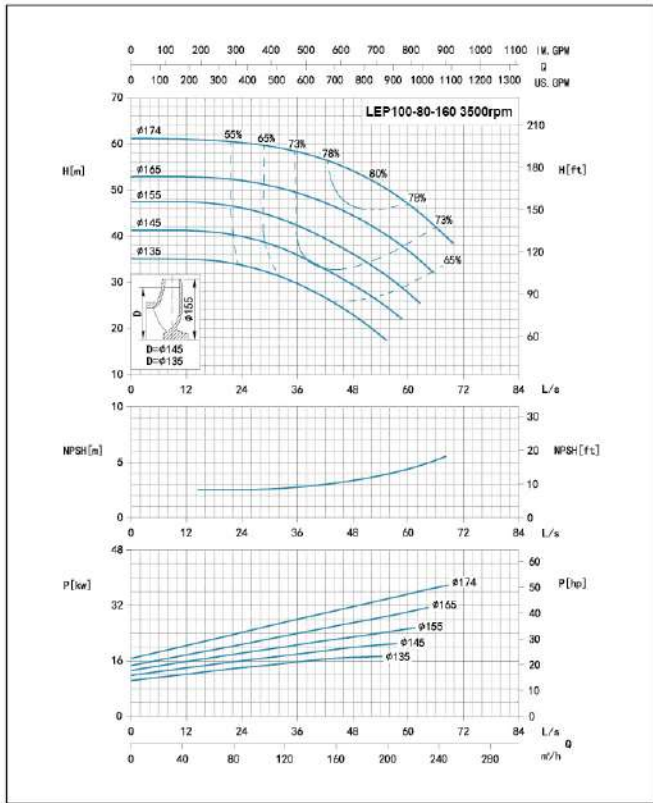


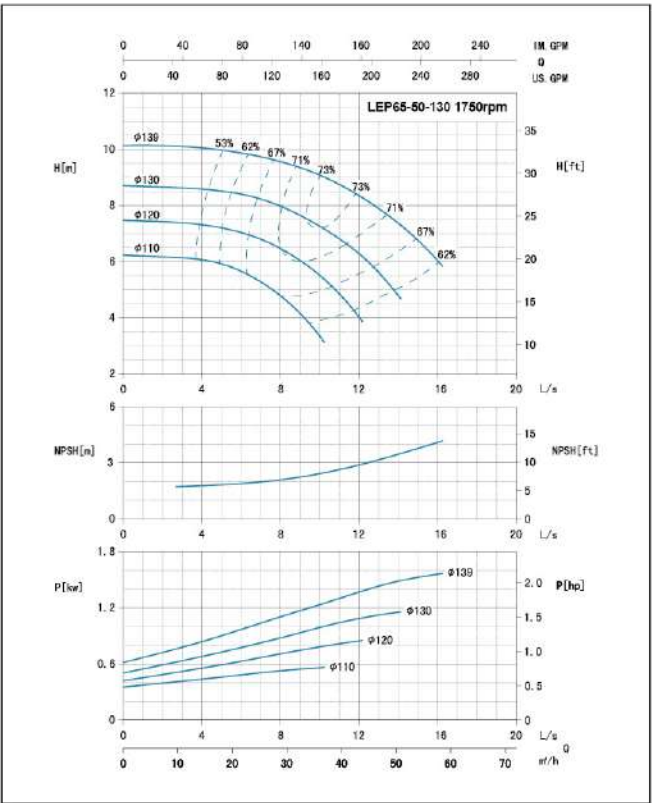
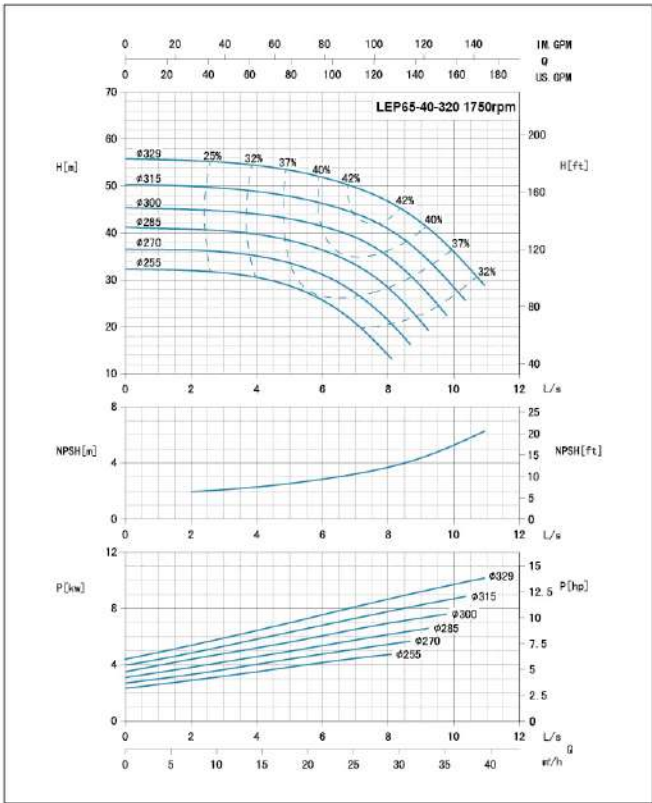
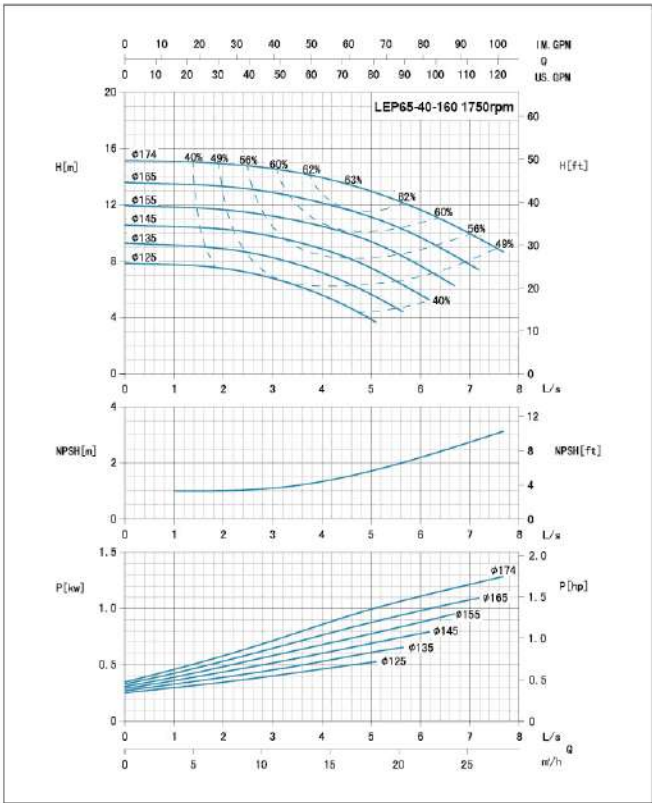
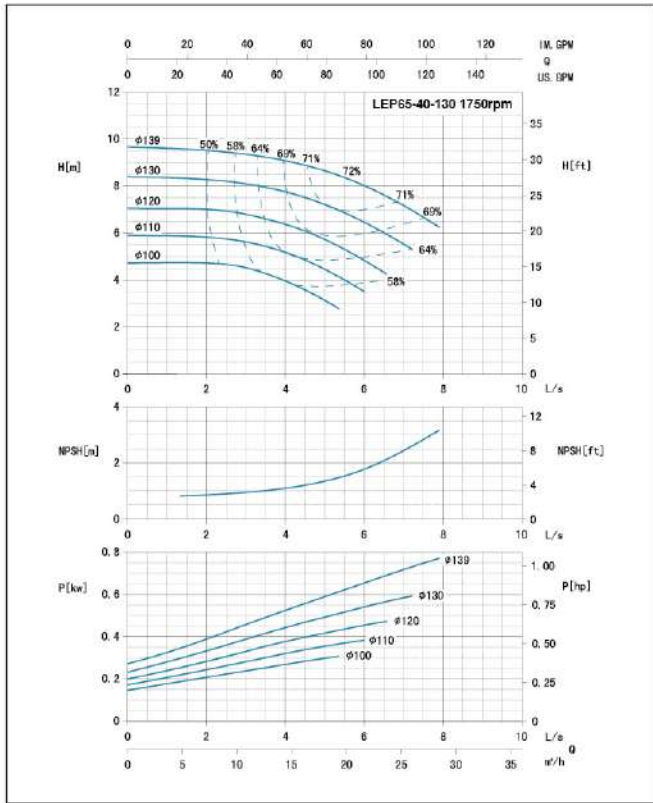
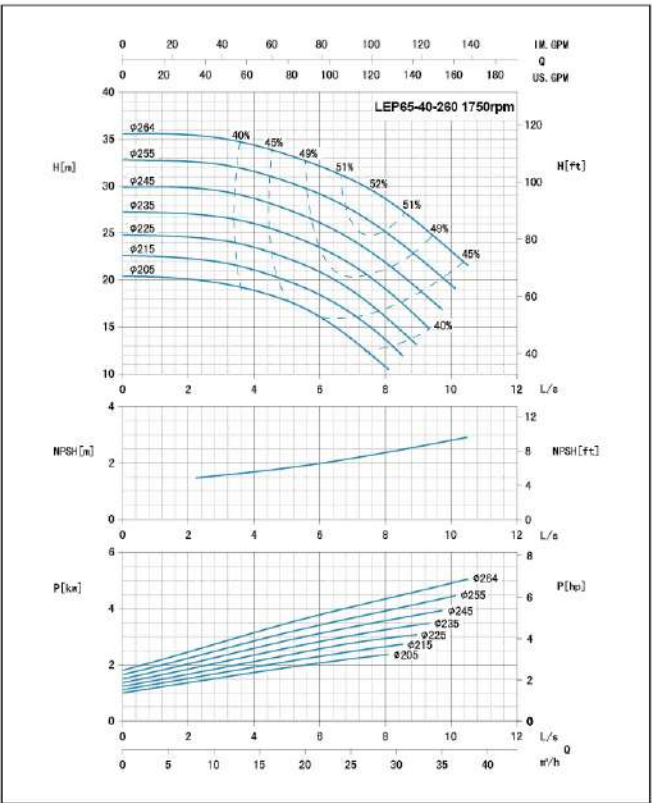
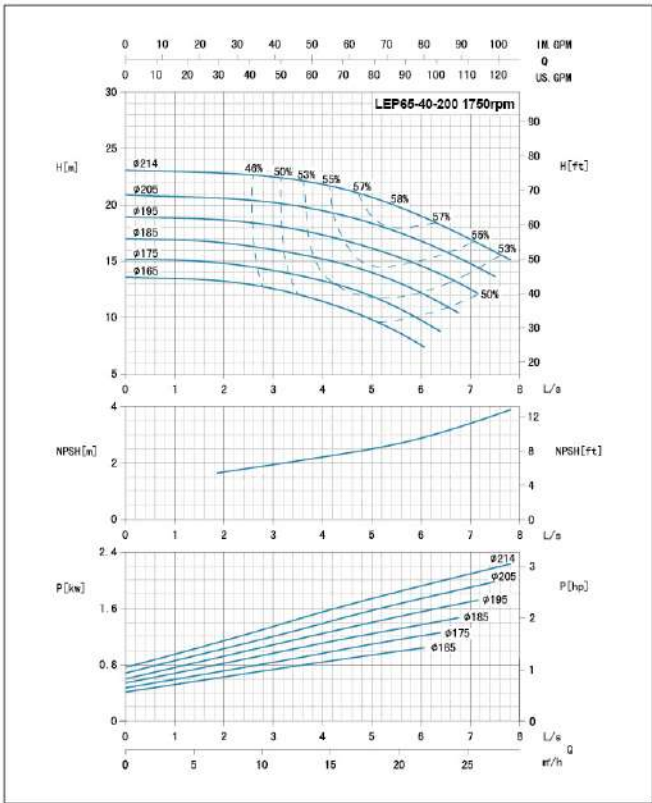
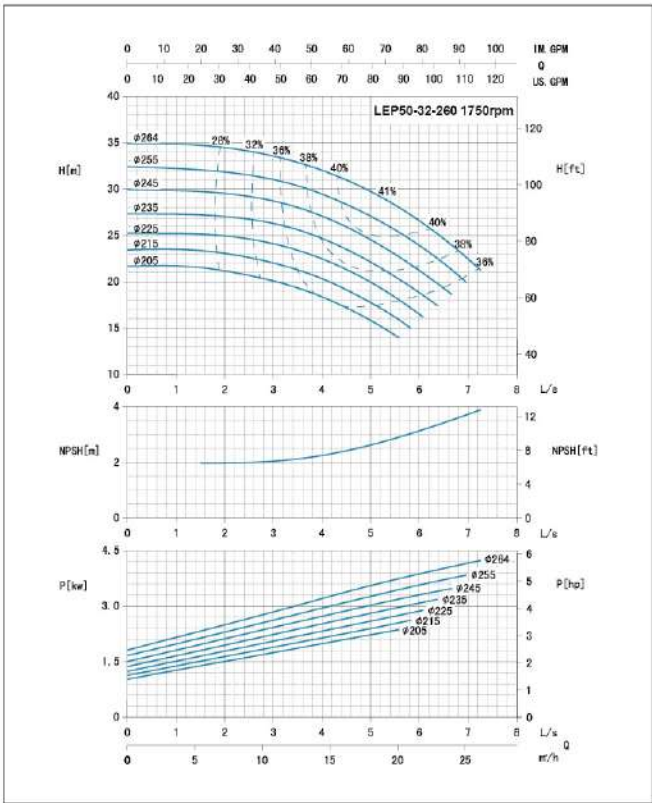
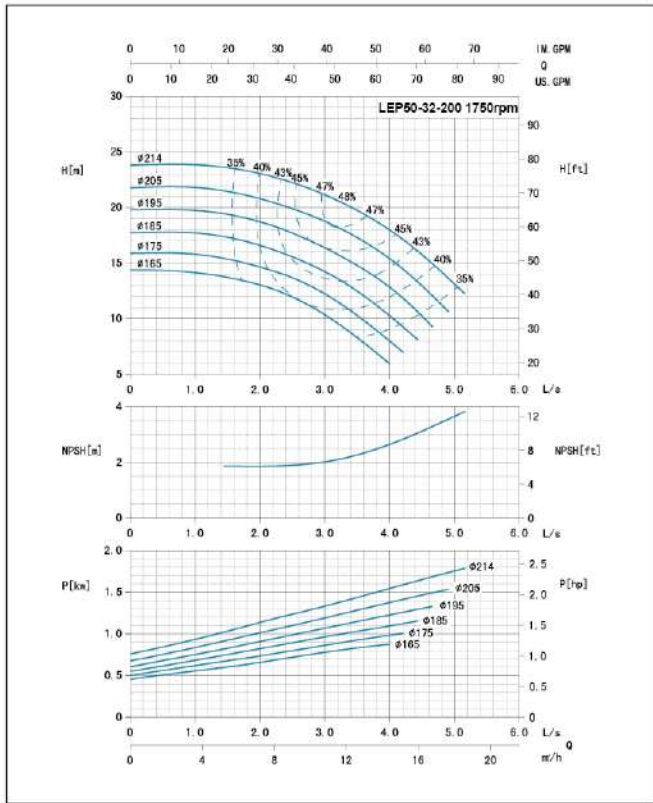


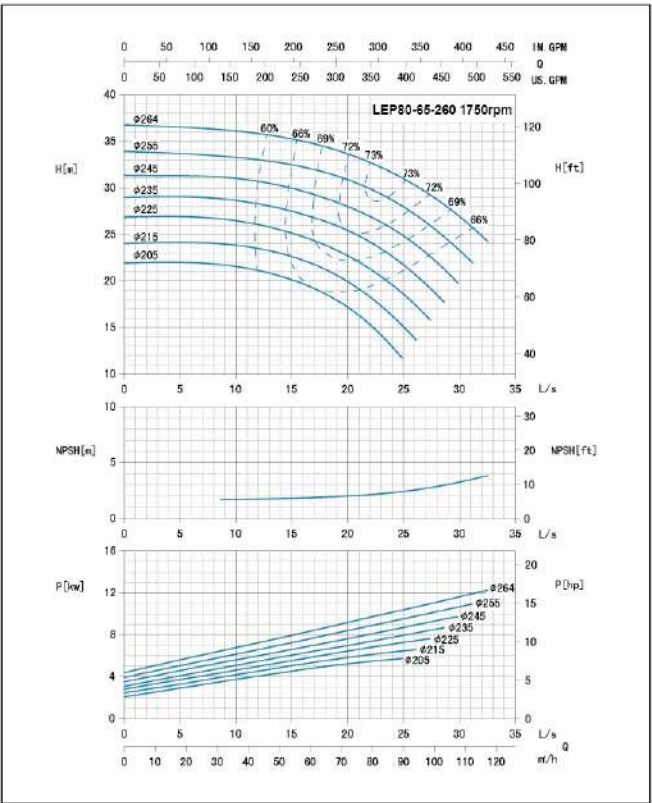
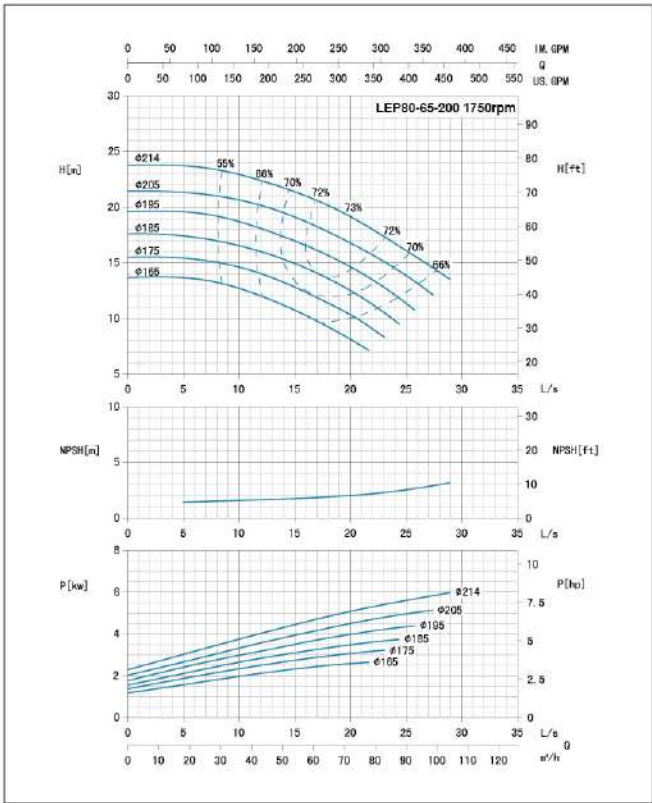
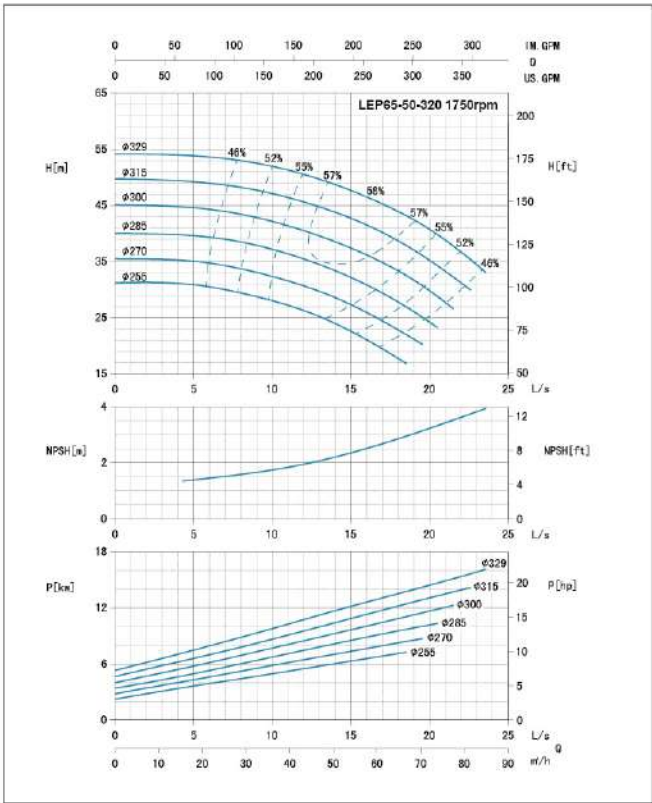
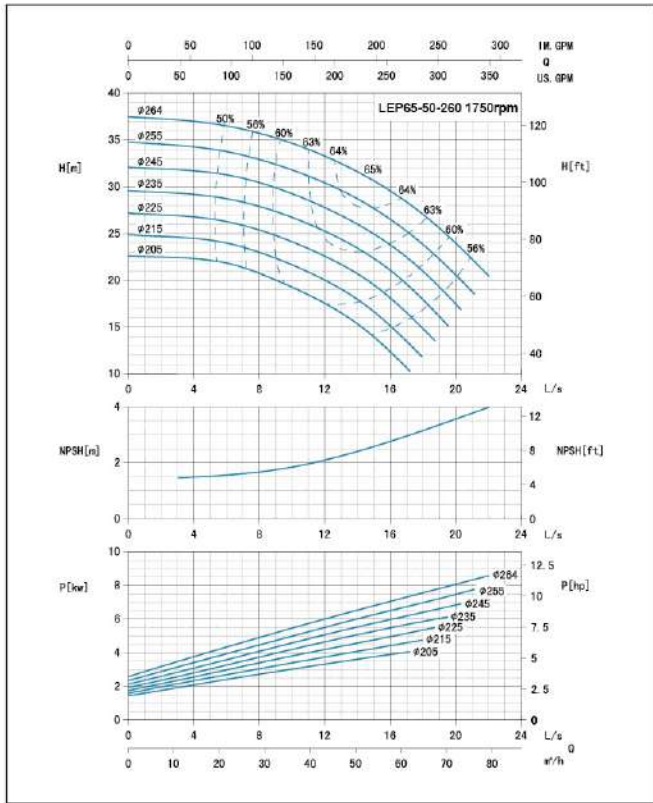
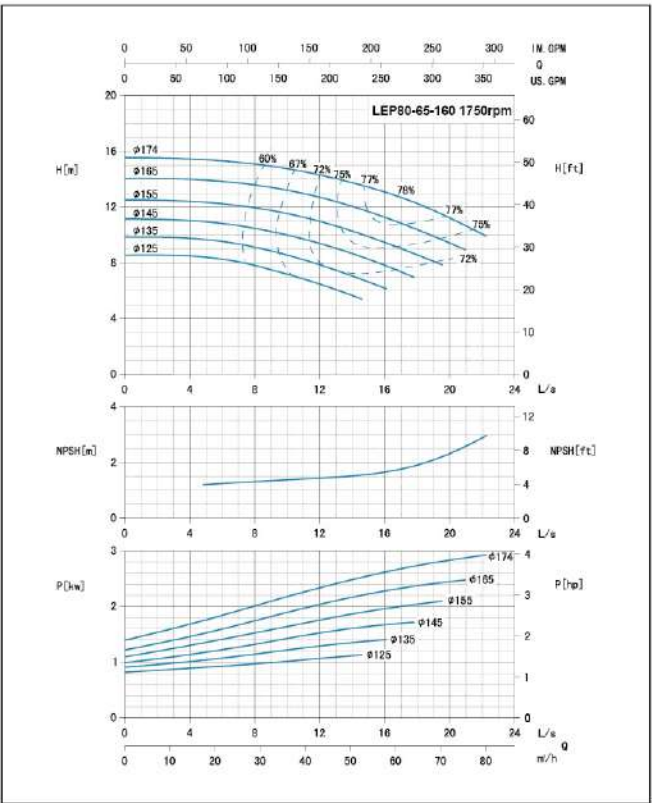
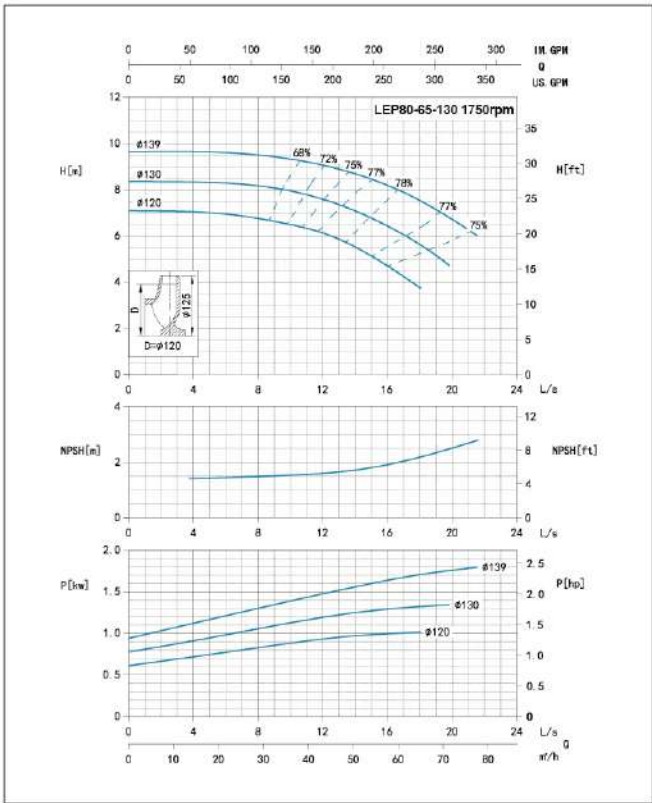
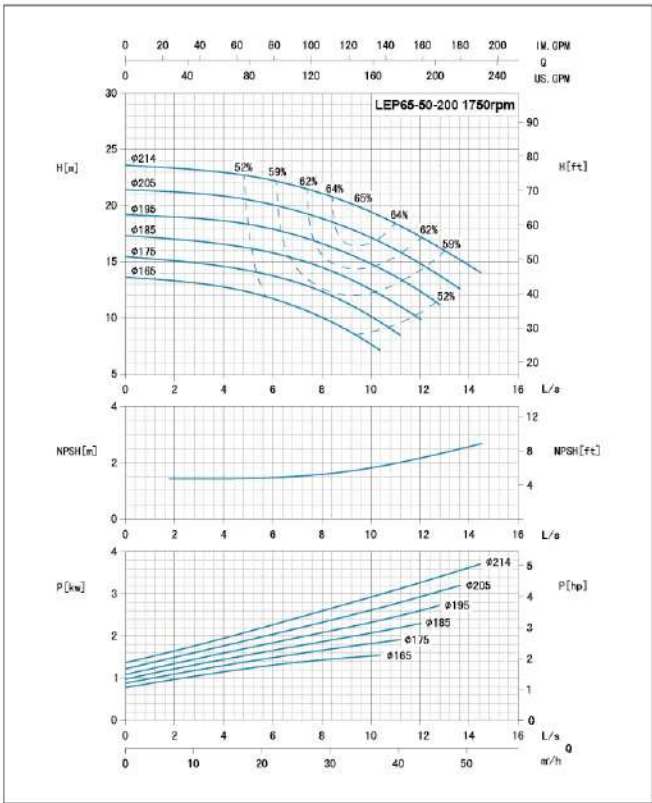
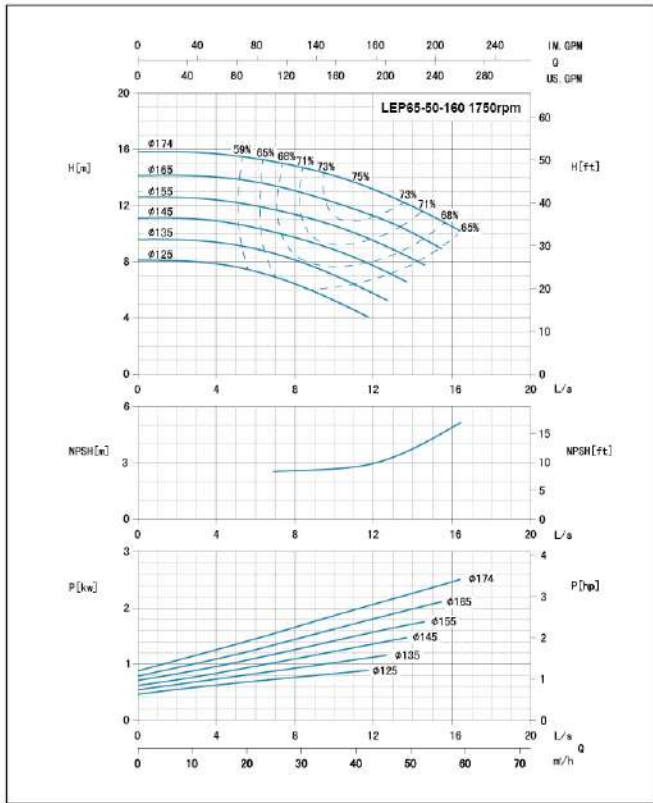


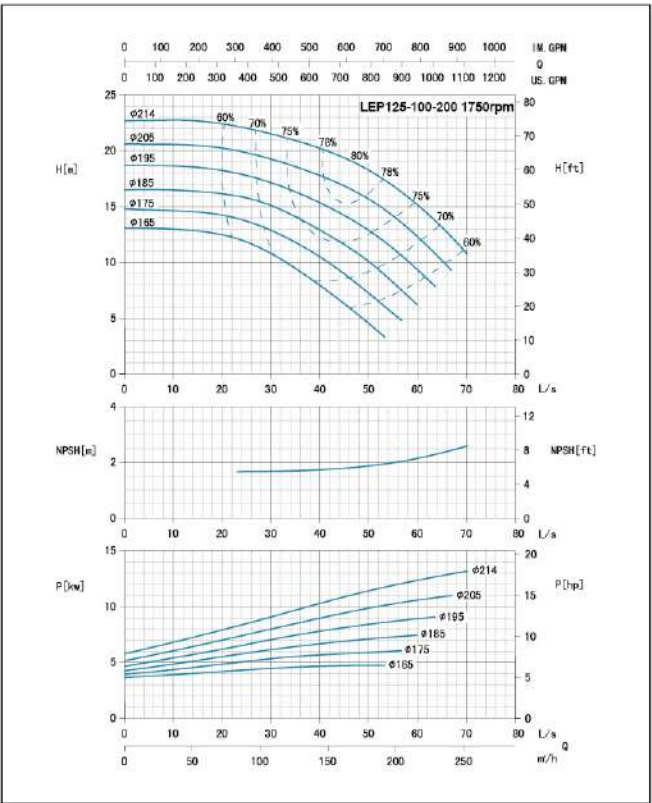
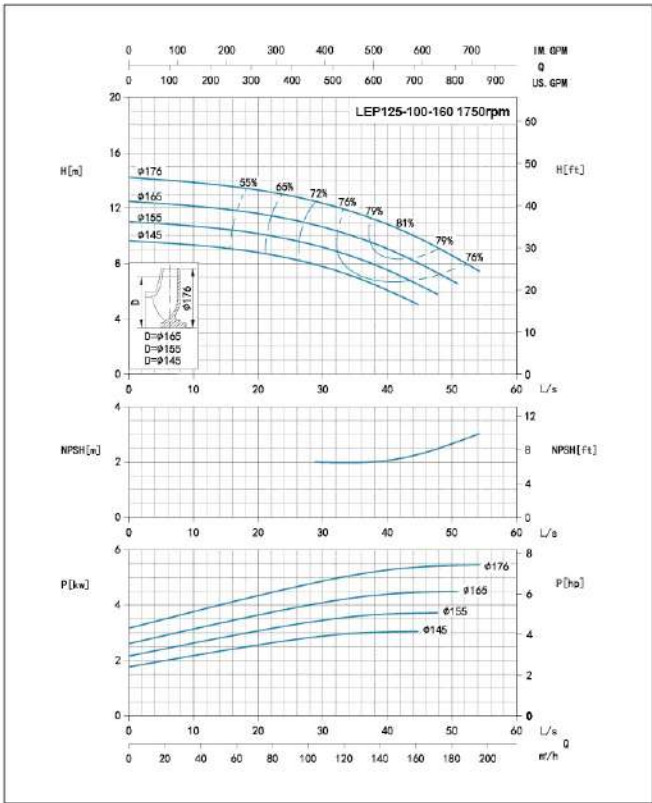
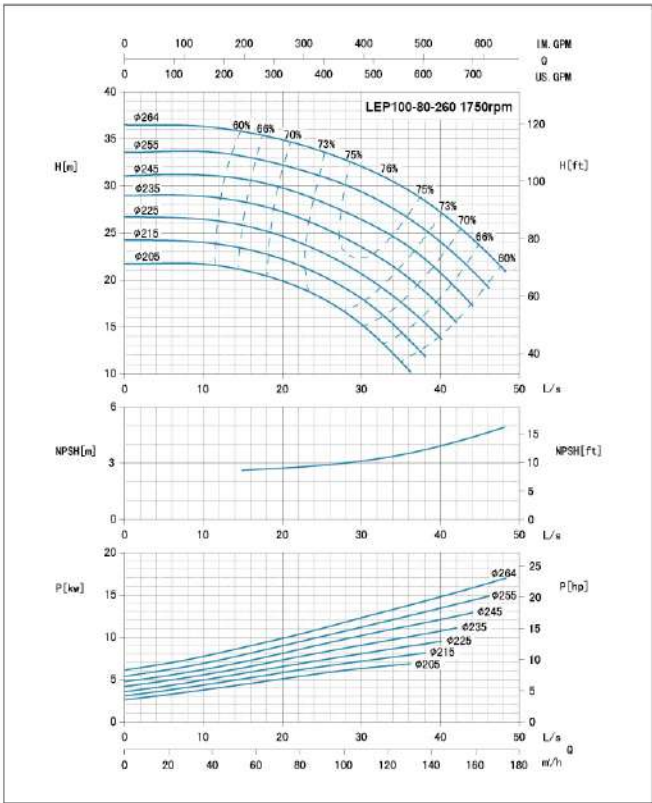
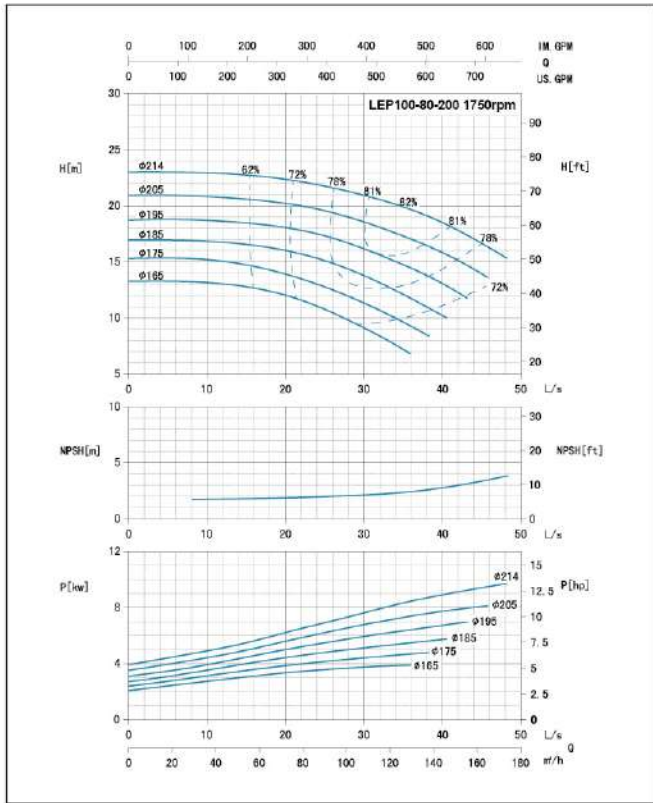
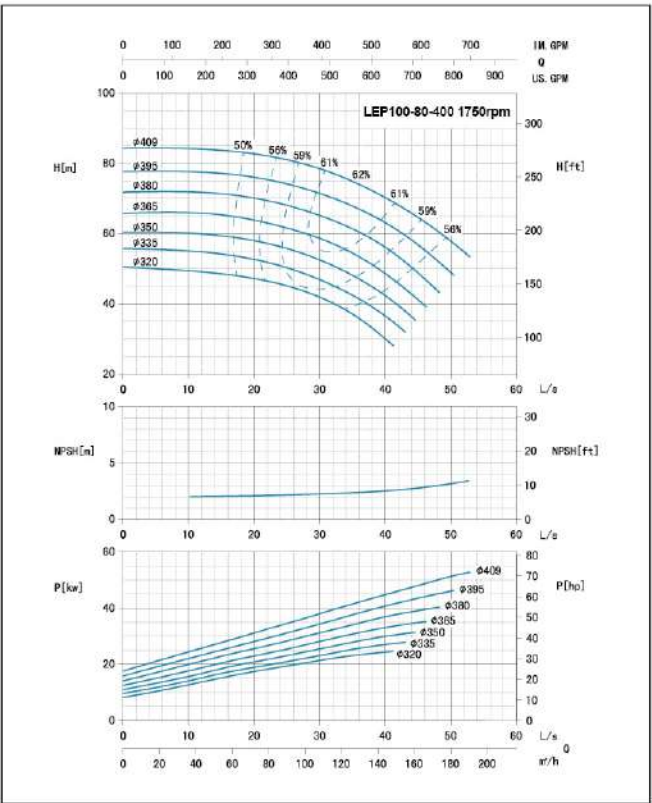
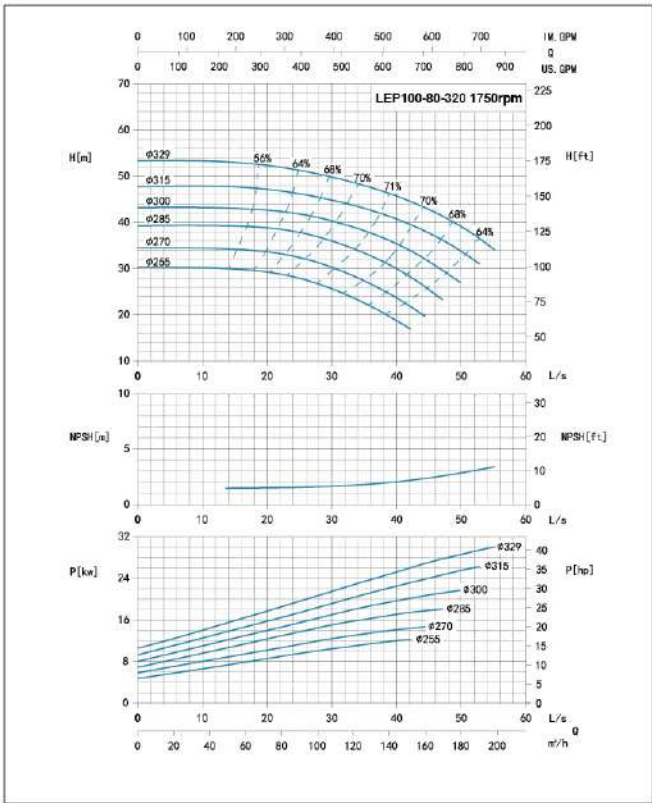
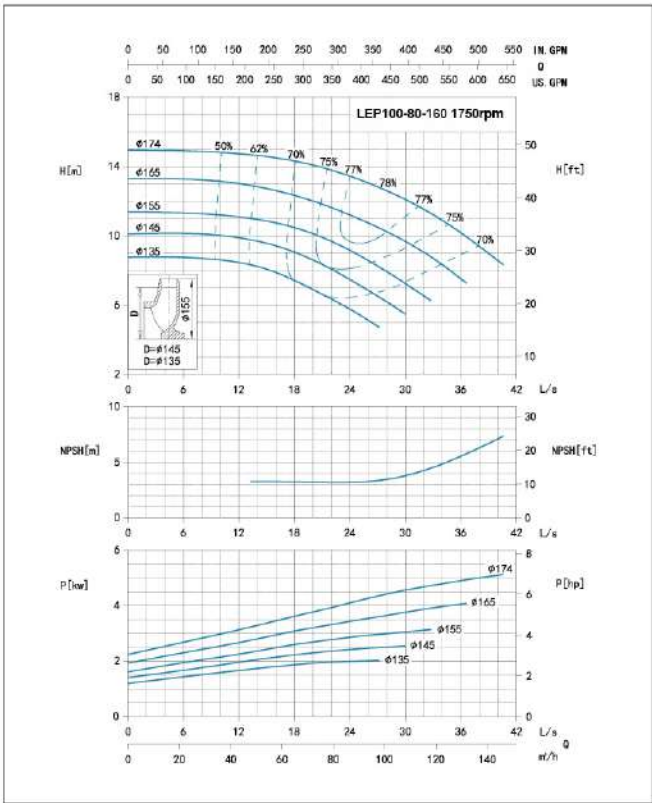
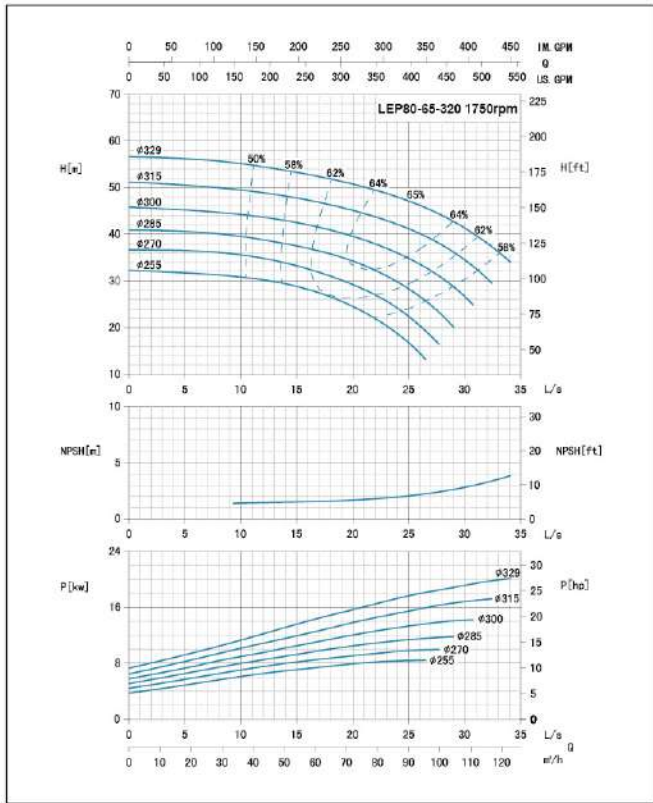


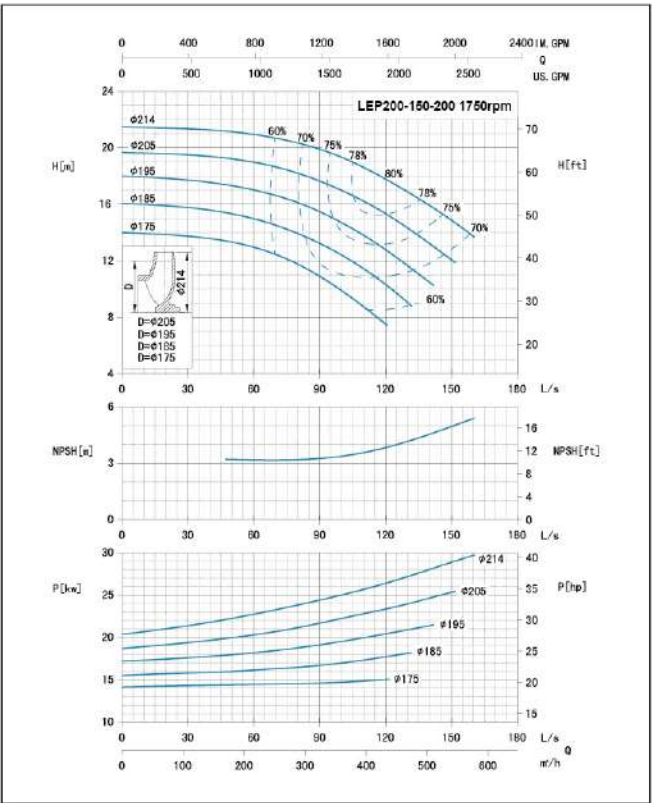
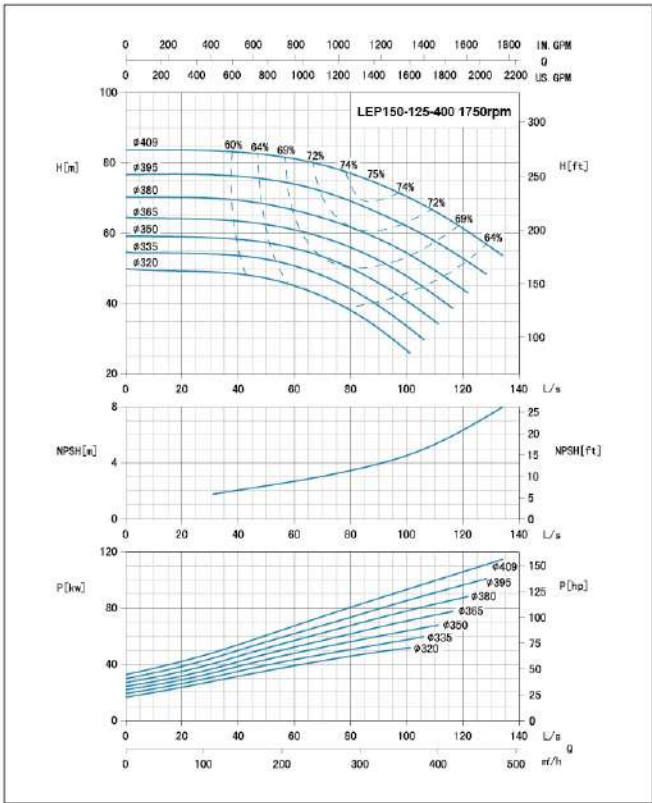
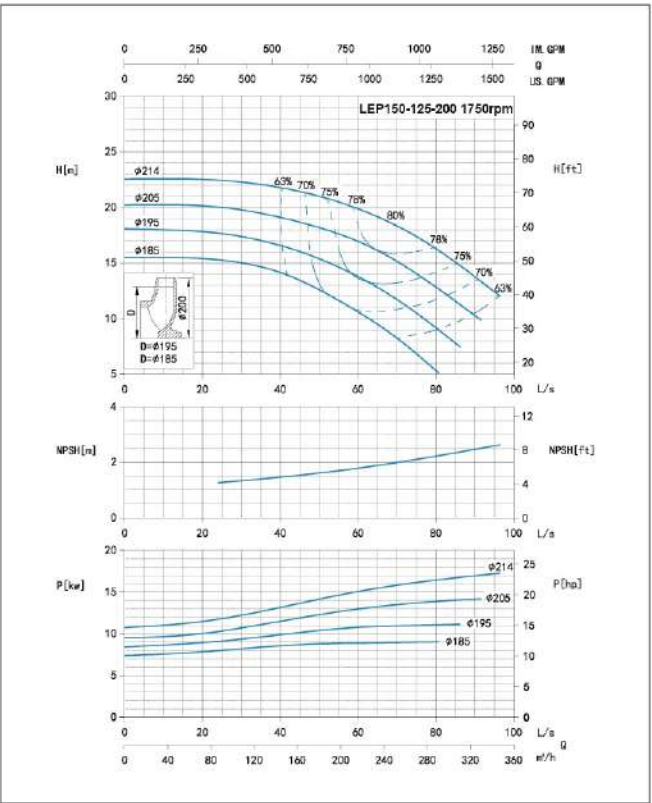
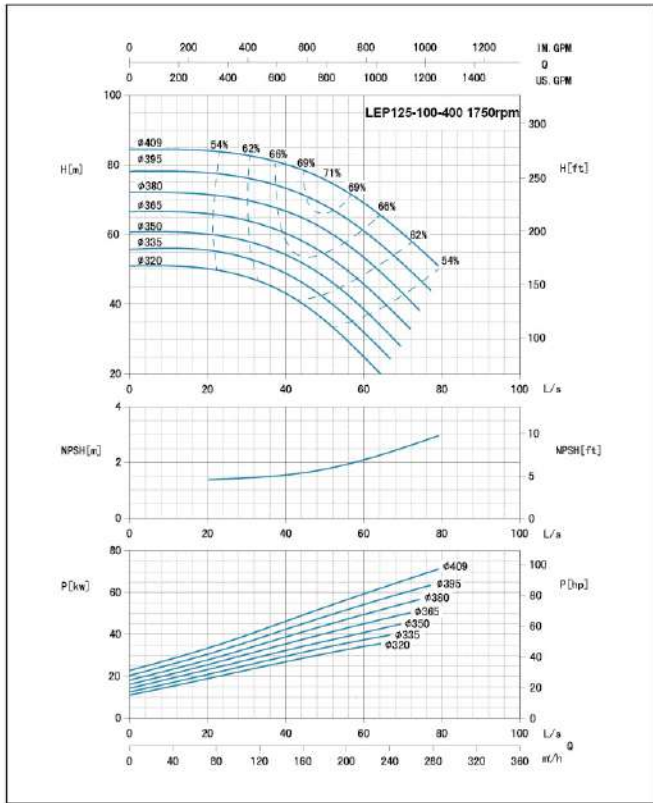
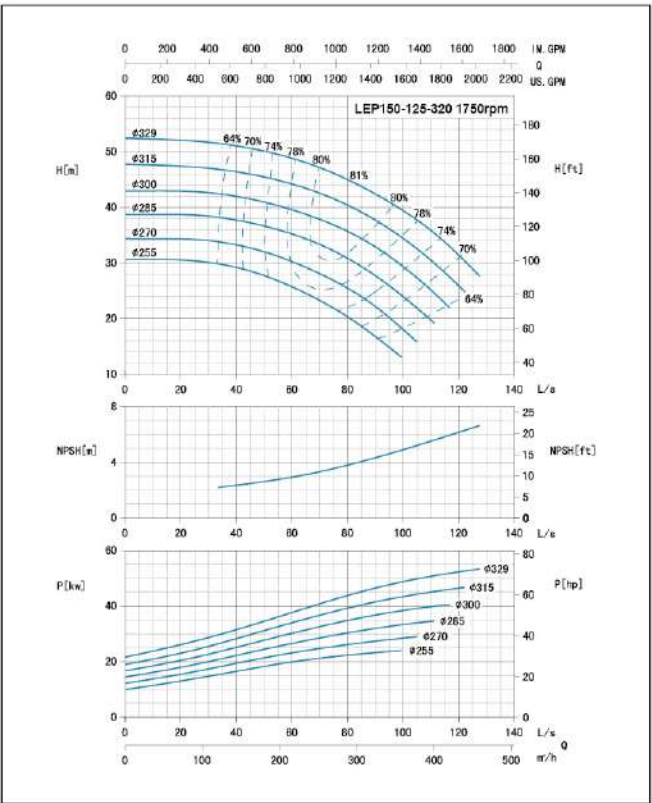
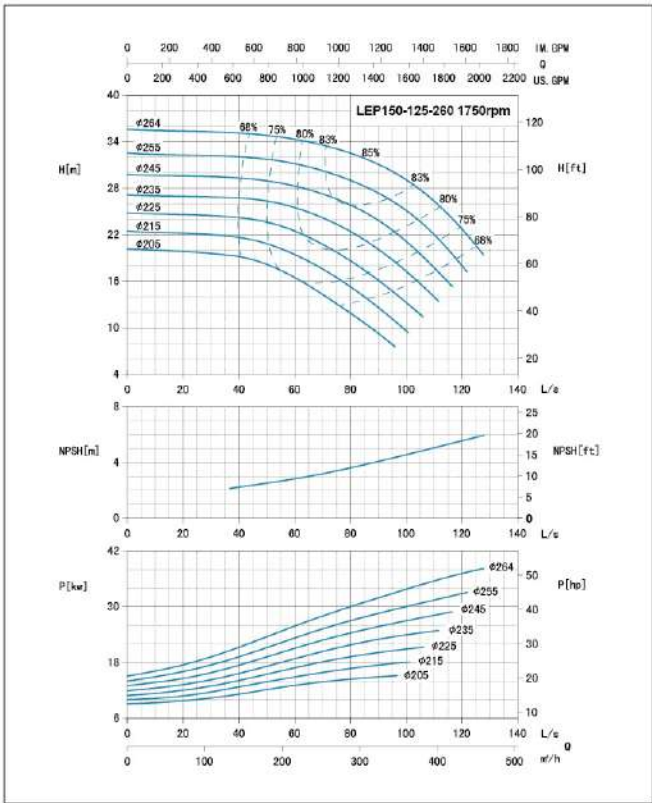
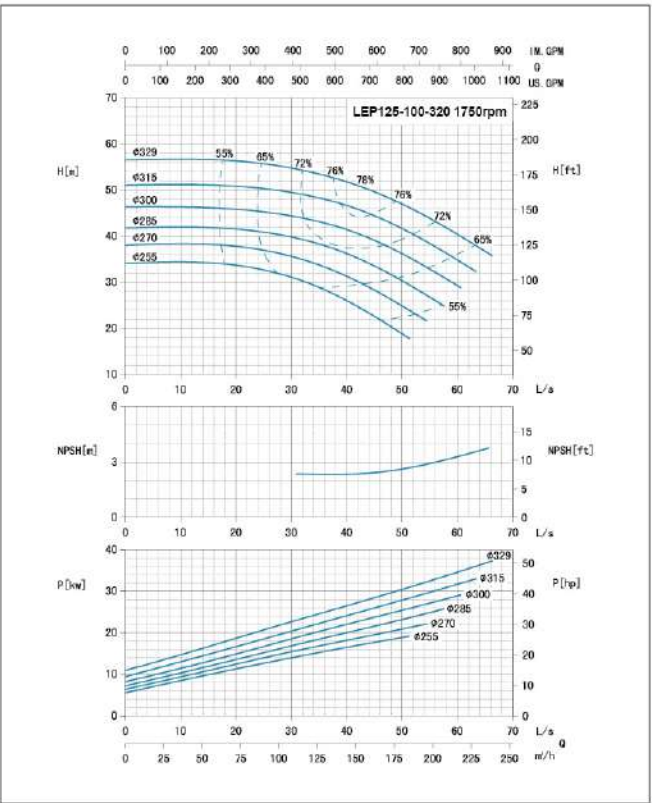
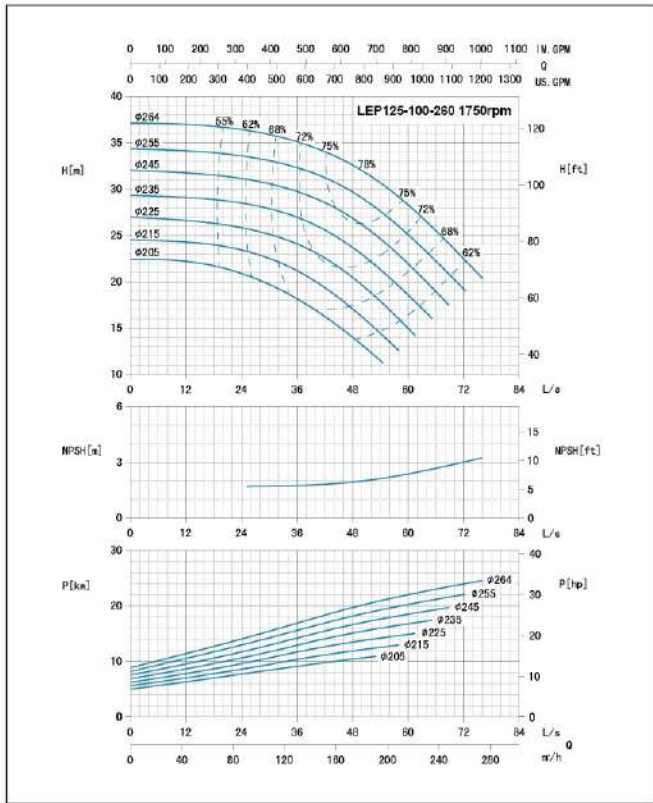


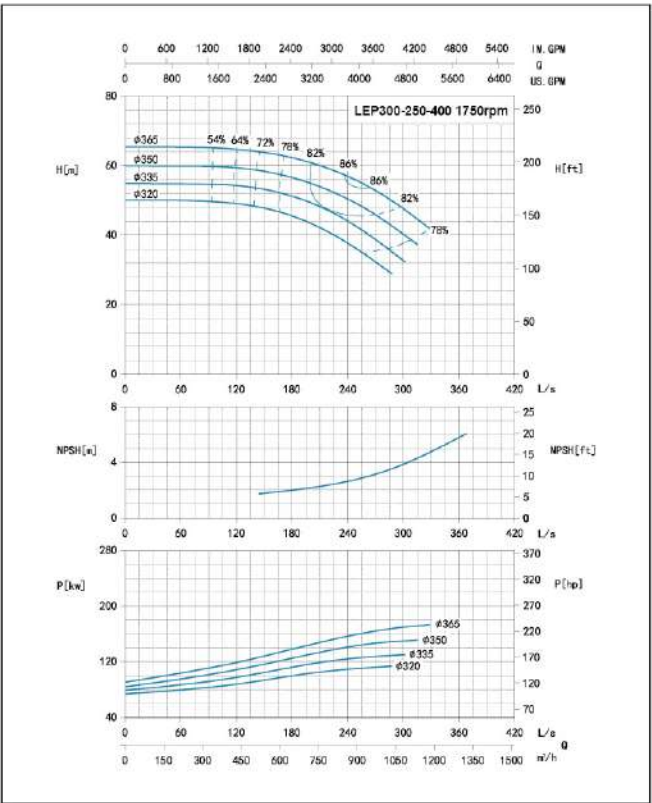
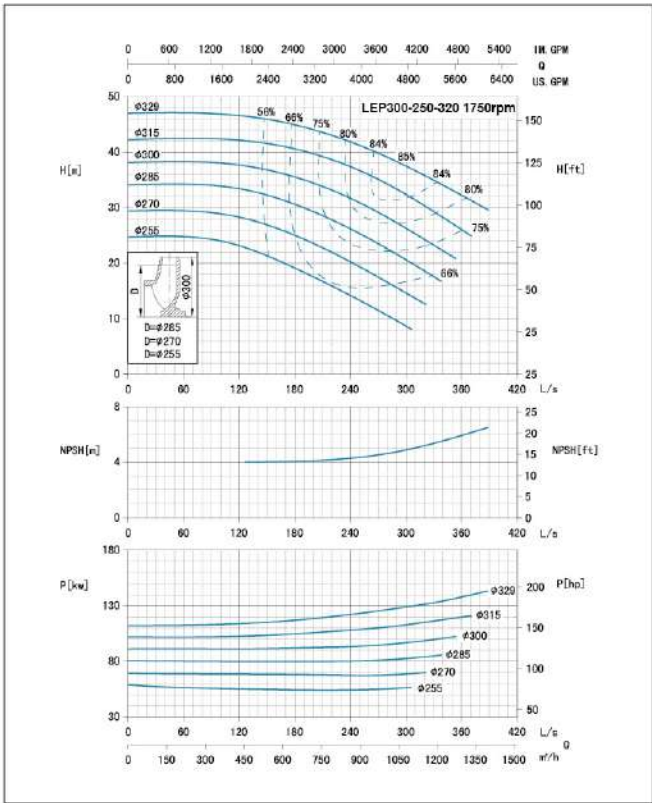
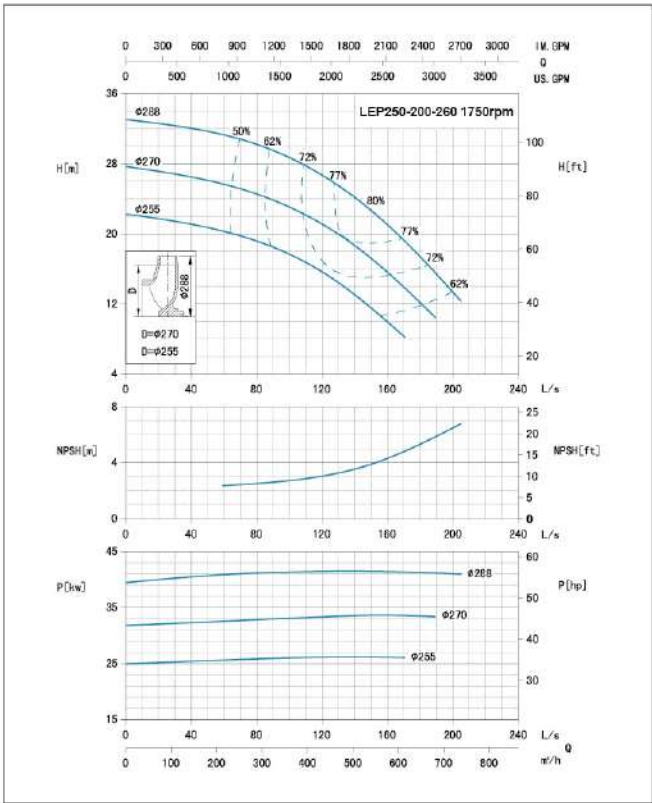
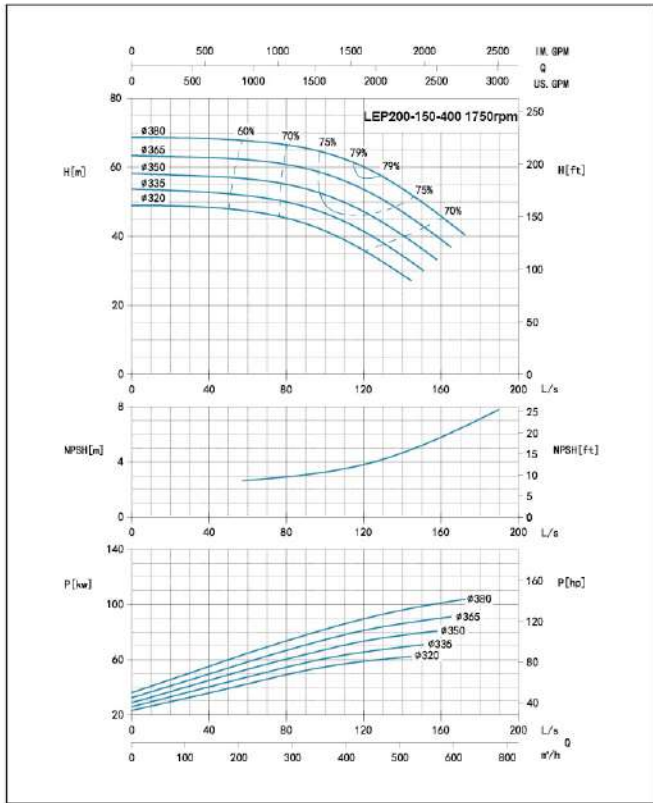
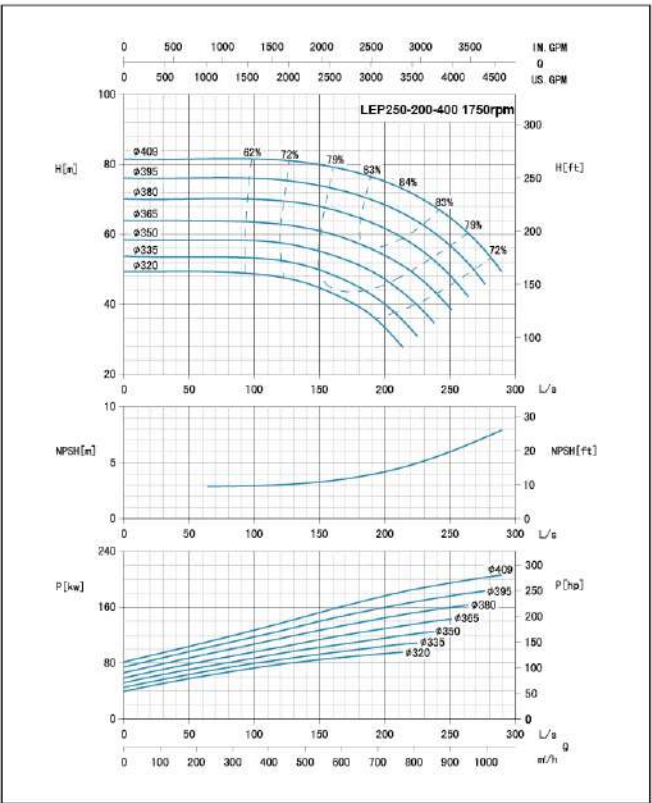
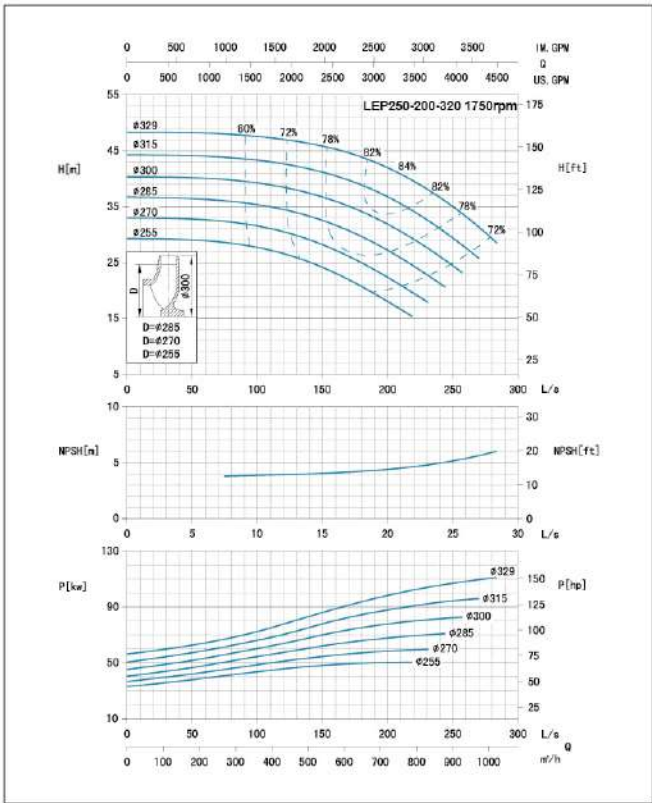
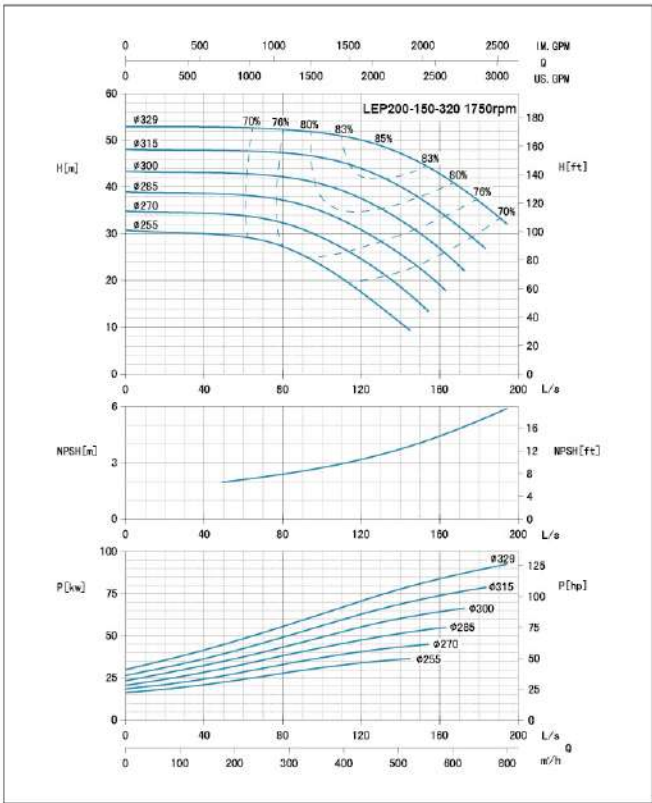
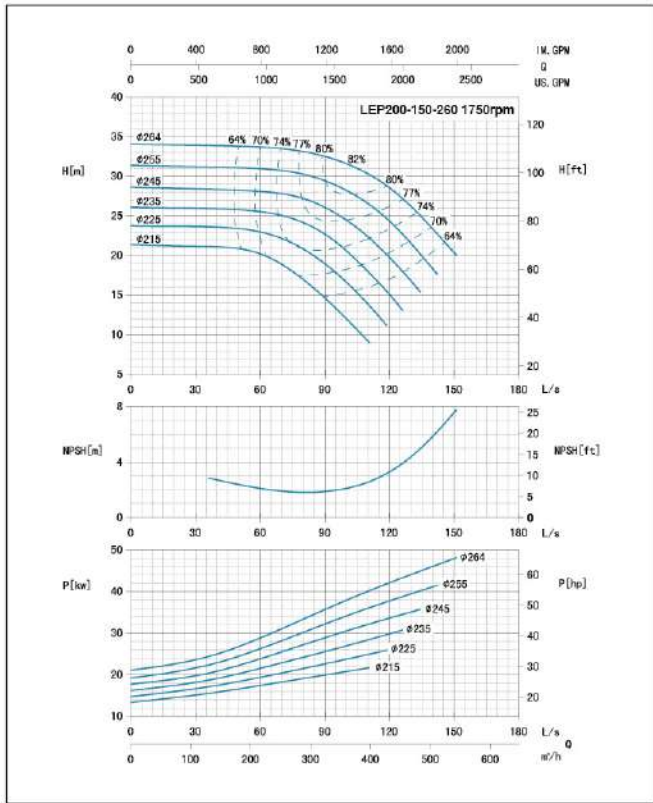












Pump Range



APm SPm



APSm APSm-AE AKSm-A



Ajm-S Ajm



AjDm



ACm ACm-BF XGm



2ACm 3(4)ACm



XHSm



3(4,5)XGm-S
3(4,5)XGm-C 3(4,5)XCSm-S



AMS



QDX



XQS



XSP



FSP



WC



XKP



LKS XKS XKS



LKJ-P LKJ-S



LKJ-PA LKJ-SA



XKF



XST



XR XRS DWP DW



LGP LDP



LRP LRP-F LPM LP

• Peripheral Pump

• Self-Priming Peripheral Pump

• Jet Pump

• Jet Pump for Deep Wells

• Centrifugal Pump

• Multistage Centrifugal Pump

• Self-Priming Centrifugal Pump

• Stainless Steel Multistage Centrifugal Pump

• Stainless Steel Centrifugal Pump

• Submersible Pump

• Stainless Steel Submersible Pump

• Stainless Steel Submersible Sewage Pump

• Flexible Shaft Pump

• Domestic Lifting Station

• Pool Pump

• Garden Submersible Pump

• Garden Jet Pump

• Pressure Booster System

• Fountain Pump

• Standard Centrifugal Pump

• Submersible Borehole Pump

• Gasoline/Diesel Engine Pump

• Booster Pump/Circulation Pump

Pump Range



SWP SWE



WGD WQ



KBZ



KBS



LVR LVS EVP



EGH EDH ECHS



ABK



XZS



BWS-HY(E)
BWS-HY



LPP



LEN



LEP

• Submersible Sewage Pump

• Submersible Sewage Pump

• Submersible Dewatering Pump

• Submersible Slurry Pump

• Stainless Steel Vertical Multistage Pump

• Stainless Steel Horizontal Multistage Pump

• Semi-open Impeller Stainless Steel Centrifugal Pump

• Stainless Steel Standard Centrifugal Pump

• Pressure Booster System

• Vertical In-line Pump

• Bare Shaft End Suction Centrifugal Pump

• End Suction Centrifugal Pump