

NISO
NIS
NISF

50HZ

End Suction Centrifugal Pump



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Code:1500067430
subject to amendments



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CNP

Pumping Water Pumping Honor

CNP

Stock code:300145



Company profile

Founded in 1991, Nanfang Zhongjin Environment Co., Ltd. (hereinafter referred to as CNP) has been listed on the Shenzhen Stock Exchange on 9th December 2010; Stock name: CNP; Stock code: 300145.

As the first enterprise specializing in the research and large-scale production of stainless steel stamping welded centrifugal pump in China, CNP is currently the professional manufacturer with the highest volume of production and marketing in that industry. It ranks first in the country in terms of product scope, sales volume, and production quality. The company has set up a complete network of marketing services to meet the requirements of overseas markets as well as domestic needs. The products have seen a wide range of application in the area of pressurization, industry, living water, cycling of air-conditioning water, heat supply, fire extinguishing system, pumping of underground water, treatment of sewage and waste water, chemical industry and desalination of sea water etc.

CNP has now entered into the fast track of development and has taken a major step forward in forging China Strong Pump Enterprise and World's famous brand in the Pump Industry. In order to better meet the client's needs and requirements for expansion, it has set up a wide network of selling and service, as well as offices and service centers in major cities in China, which are aimed at providing timely and effective services for our clients. Meanwhile, our company has successfully penetrated into the world market by forging a good business relationship with more than 50 countries and regions in the Europe, Northern American, and Southeast Asia etc.

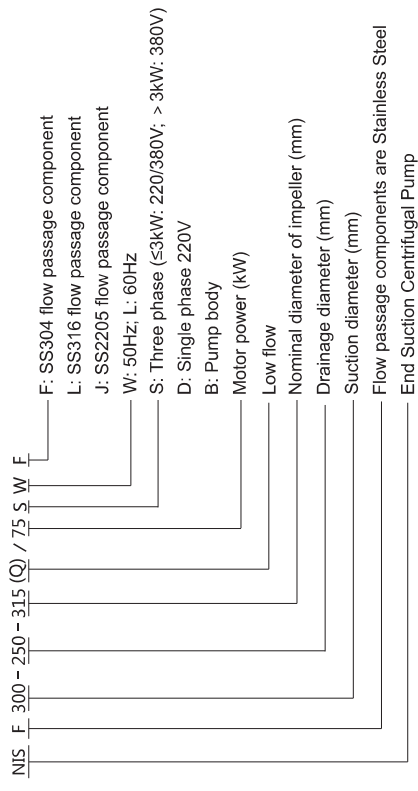
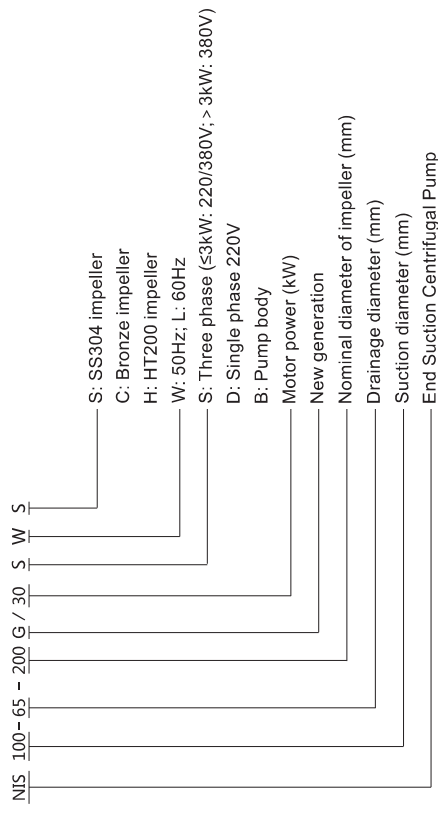
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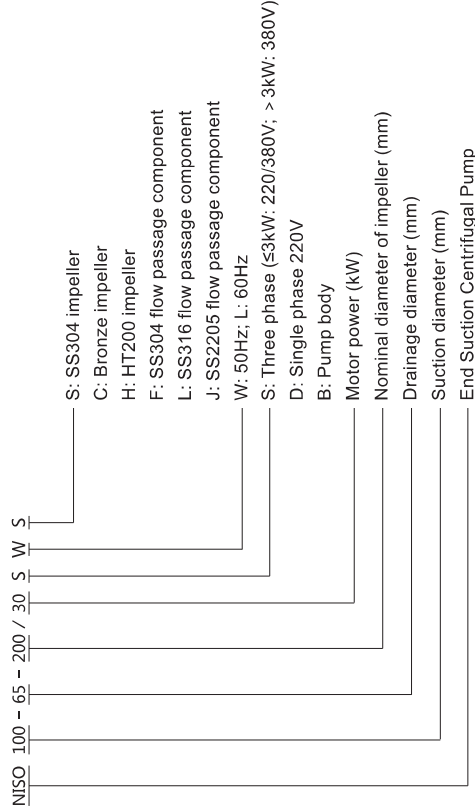
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Model definition



Model definition



Minimum inlet pressure NPSH

In case that the pressure in pump is lower than the steam pressure used to convey liquid, the cavitations will occur. To avoid cavitations, a minimum pressure at the inlet side of the pump shall be guaranteed. The maximum suction can be calculated with the following formula:

$$H = P_b \times 10.2 - NPSH - H_f - H_v - H_s$$

H—Maximum suction head(m)

P_b—Atmosphere pressure(bar)

In a closed system, P_b means system pressure(bar)

NPSH—Net positive suction head(m)

It can be read from the point of Max. flow rate shown on NPSH curve.

H_f—Pipeline loss at the inlet(m)

It is in accordance with the pipeline possible Max. flow.

H_v—Steam pressure(m)

It depends on liquid temperature and steam pressure value.

H_s—Safety margin(m)

Minimum 0.5m delivery head.

Under the calculated result H is negative, the pump may run under the Max. suction head H. In case the calculated result H is negative, delivery head of Min. inlet pressure is necessary.

NOTE: Normally, the above calculation will not be done.

Applications

- Clean, thin, non-corrosive, non-flammable or non-explosive liquid without grain or fiber.
- Water supply system
- HVAC system
- Booster and constant water supply system
- Fire-fighting and splitting system
- Irrigation and farming
- Industrial cooling and heat circulation system
- Industrial transferring and drainage system

Product structure

- Non-self-priming, single stage, single suction, horizontal axial suction and radical discharge, pump body is fixed by base.
- Standard wear-resistant mechanical seal.
- TEFC motor, size complies to IEC standard.
- NISO pump use bearing cradle, which can orientate bearing, prevent from radical vibration, improve the rigidity of rotary part.

- NISO pump integral pump shaft, use deep groove grease lubricated bearing.
- NISO pump use semi-flexible coupling to connect pump and motor.

- NISO pump dimension conforms to ISO2858 standard.

- NIS, NISF series pump are coupled with extension shaft structure.

- Inlet and outlet flange and pump body of cast iron pump conform to standard of PN16 in GB/T17241.6 (ISO7005-2); Inlet and outlet flange and pump body of Stainless Steel pump conform to standard of PN16 in GB/T9113 (ISO7005-1).

Performance parameters

- Max. Flow: 1200 m³/h
- Max. Head: 160 m
- Max. Working pressure: 16 bar
- Max. Inlet pressure: 6 bar
- Max. Power: 200kW
- Liquid temperature: -15°C~ 110°C
- Inlet and outlet diameter:

Inlet diameter: DN50~DN300
Outlet diameter: DN32~DN250

Features

- Adopt Pull-back structure, avoid dismantling pump body and pipeline when repairing.

- All NISO pump only use 4 types of pump shafts and bearing cover, making many parts exchangeable.

- Designs of NIS, NISO, NISF series impellers are optimized, inlet is enlarged, no whirlpool, deduct water pump NPSH efficiently, which makes pump work stable with little noise. Performance curve is flat, flow range is wide, performance is similar with international pump industry peers.

- NIS*G, NIS*(Q) series pump are designed according to newest standard in GB/T5662, whose performance curve are steeper than NIS, NISO, NISF series. Flow range conforms to requirements, use excellent hydraulic model and CFD optimization, high efficiency, reasonable head and spread, compact structure, easy maintenance.

- NIS, NISF pumps are small, compact and easy to install.

- Main spare parts like impeller, pump body, pump head of NIS*G, NIS*(Q) series pump are cast iron. But can be customized according to customers' requirement.

Curve conditions

- Following conditions are suitable for the performance curves shown above.

- All curves are based on the measured values of motor 3×380V, 50Hz: under the constant speed of 2900 rpm, 1450rpm or 1480rpm; 60Hz: under the constant speed of 3500rpm, 1750rpm.

- Curve tolerance in conformity with ISO9906:2012, Grade 3B.

- Measurement is done with 20°C air-free water, without impurities.

- The operation of pump shall refer to the performance region indicated by the thickened curve to prevent overheating due to too small flow rate or overload of motor due to too large flow rate.

- If the thickness and density of the pumped liquid is different from water, the motor power should be adjusted.

Working conditions

Relative humidity of pump

- The pump is specifically designed for installation in non-corrosive and non-explosive environments with a relative humidity of no more than 95%.

Ambient humidity and altitude

- Ambient humidity and installation altitude are important factors influencing motor service life as they also affect the life of bearings and insulation systems.
- The installation altitude is the height at which the installation location is above sea level. If the ambient temperature exceeds the recommended maximum value, or if the installation height exceeds the recommended maximum altitude, air cooling effect may be poor due to low density and the motor shall not be operated at full capacity. In this case, choose a motor with a higher output power.

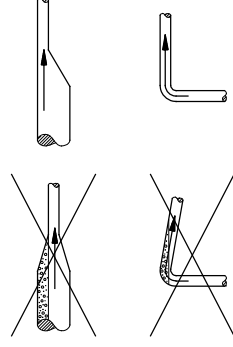
Motor parameter

Standard motor

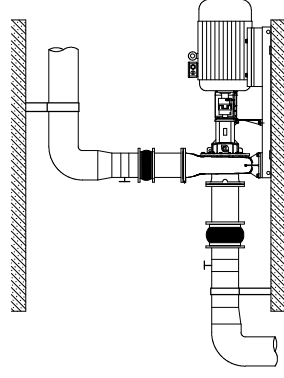
- TEFC motor, size complies to GB/28575 standard.
- Standard configuration: 2-pole motor and 4-pole motor.

Pipeline Installation requirements

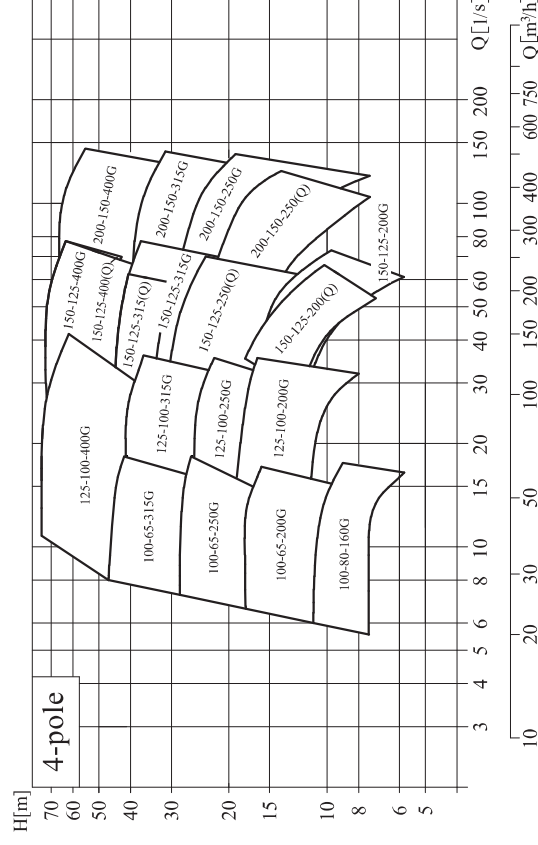
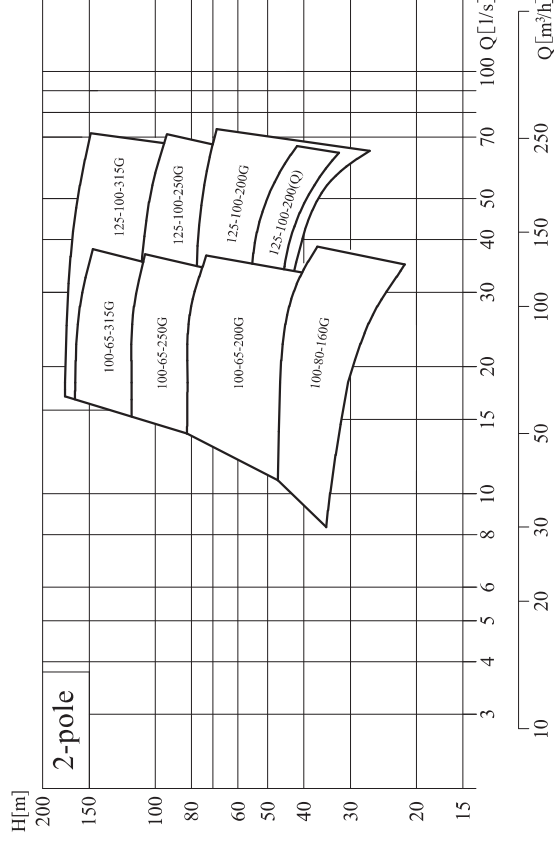
- Pump casing must not be subjected to pipe pressure when installing the pipe.
- The suction and drain pipes must be sized appropriately and the inlet pressure of the pump needs to be considered.
- Install the pipe to avoid air blockage, especially on the inlet side of the pump. See picture below.



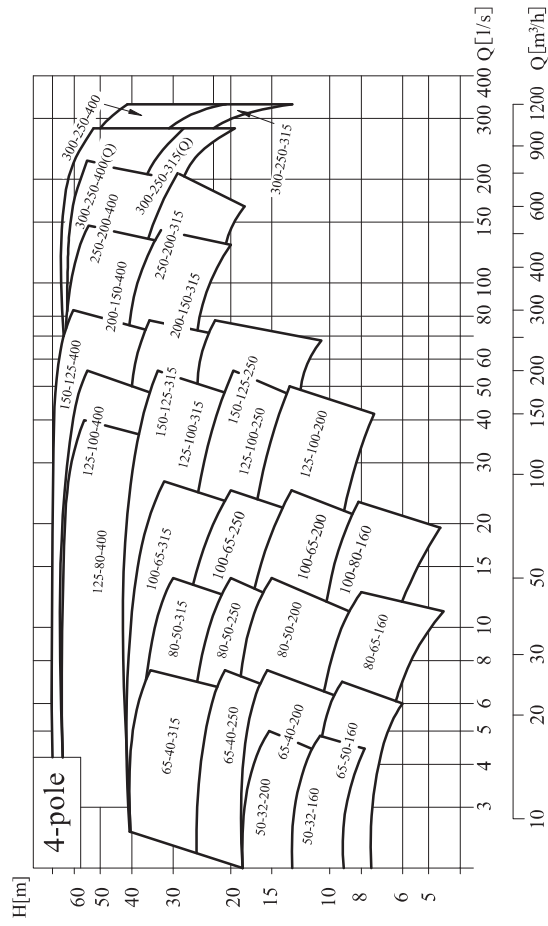
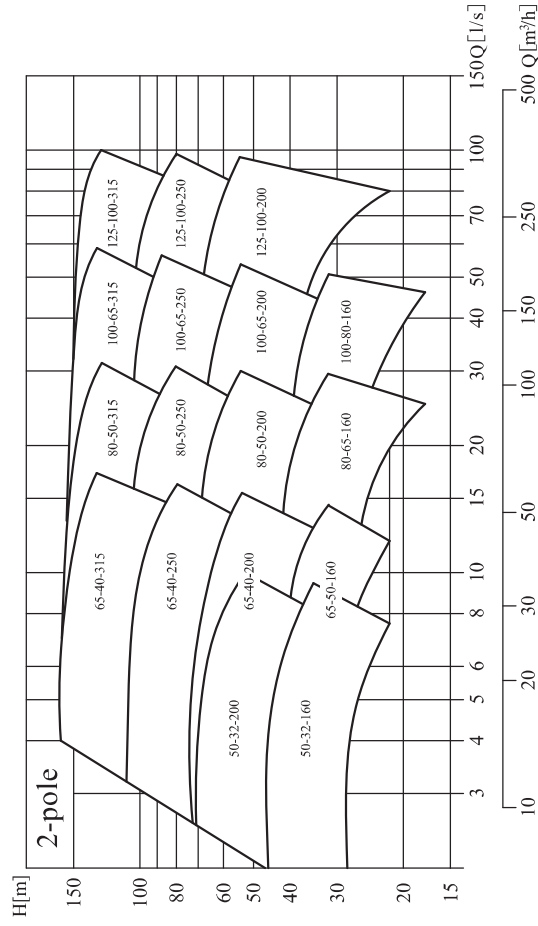
- Install an isolation valve on each end of the pump so that the system does not have to be drained when cleaning or repairing the pump.
- Ensure that the pipe is sufficiently supported (inlet and outlet side) as close as possible to the pump. The butt flange should be attached to pump flange without being subjected to tensile stresses, as the presence of tensile stress can damage the pump.



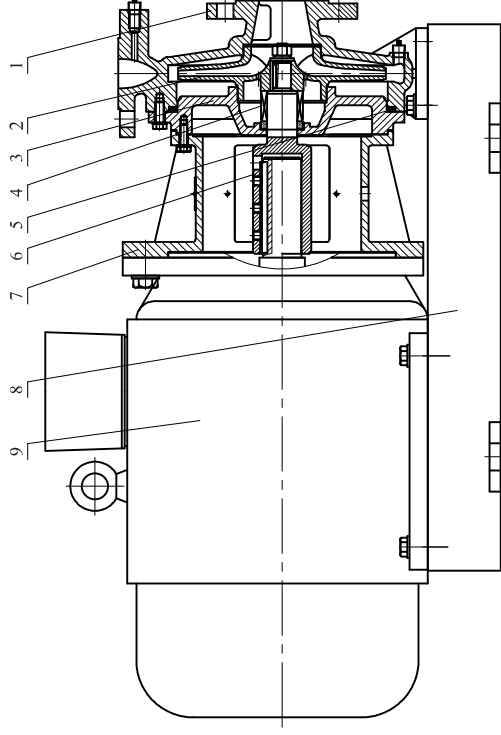
NIS*G, NIS*(Q) Spectral spectrum



NISO,NIS,NISF Spectral spectrum



NIS,NISF Sectional drawing

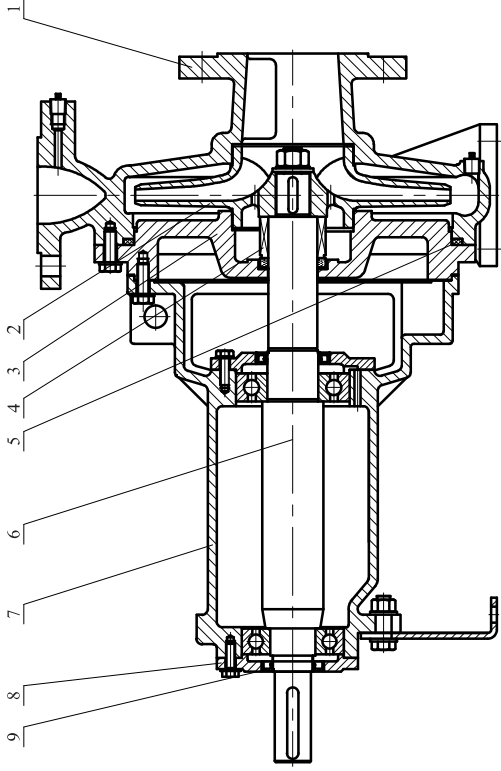


Material list of NIS,NISF

No.	Parts	Material	Code/AISI/ASTM
1	Pump body	QT500-7/ZG07Cr19Ni9	ASTM80-55/AISI304
2	Impeller	HT200/ZG07Cr19Ni9	ASTM25B/AISI304
3	Pump cover	HT200/ZG07Cr19Ni9	ASTM25B/AISI304
4	Mechanical seal	Carbon/Silicon Carbide	
5	O-ring	NBR	
6	Shaft	20Cr13/06Cr19Ni10	AISI420/AISI304
7	Pump head	HT200	ASTM25B
8	Base	Q235-A	AISI/A570
9	Motor		

Note: Standard material of flow passage components of NIS*G,NIS*(Q) are cast iron, Stainless Steel need to be specially ordered.

NISO Sectional drawing



Material list of NISO

No.	Parts	Material	Code/AISI/ASTM
1	Pump body	QT500-7/ZG07Cr19Ni9	ASTM80-55/AISI304
2	Impeller	HT200/ZG07Cr19Ni9	ASTM25B/AISI304
3	Pump cover	HT200/ZG07Cr19Ni9	ASTM25B/AISI304
4	Mechanical seal	Carbon/Silicon Carbide	
5	O-ring	NBR	
6	Shaft	20Cr13/06Cr19Ni10	AISI420/AISI304
7	Bearing housing	HT200	ASTM25B
8	Bearing cover	HT200	ASTM25B
9	Oil seal	NBR	

NIS*G,NIS*(Q) Product range

No.	Model	Q [m ³ /h]	H [m]	Flow range [r/min]	Motor [kW]	n [r/min]
1	NIS100-65-200G/18.5	100	42	40-120	18.5	2950
2	NIS100-65-200G/22		51		22	
3	NIS100-65-200G/30		67		30	
4	NIS100-65-200G/37		80		37	
5	NIS100-65-250G/45		103		45	
6	NIS100-65-250G/55		116		55	
7	NIS100-65-315G/75	140	75	60-200		
8	NIS100-65-315G/90	160	90			
9	NIS100-80-160G/11	26	11			
10	NIS100-80-160G/15	36	15			
11	NIS100-80-160G/18.5	44	18.5			
12	NIS125-100-200(Q)/30	43	30			
13	NIS125-100-200(Q)/37	160	52		37	
14	NIS125-100-200G/30	35	30		80-240	
15	NIS125-100-200G/37	45	37			
16	NIS125-100-200G/45	54	45			
17	NIS125-100-200G/55	68	55			
18	NIS125-100-200G/75	74	75			
19	NIS125-100-250G/75	200	75			
20	NIS125-100-250G/90	102	90			
21	NIS125-100-315G/110	128	110			
22	NIS125-100-315G/132	150	132			
23	NIS125-100-315G/160	160	160	160		

NIS*G,NIS*(Q) Product range

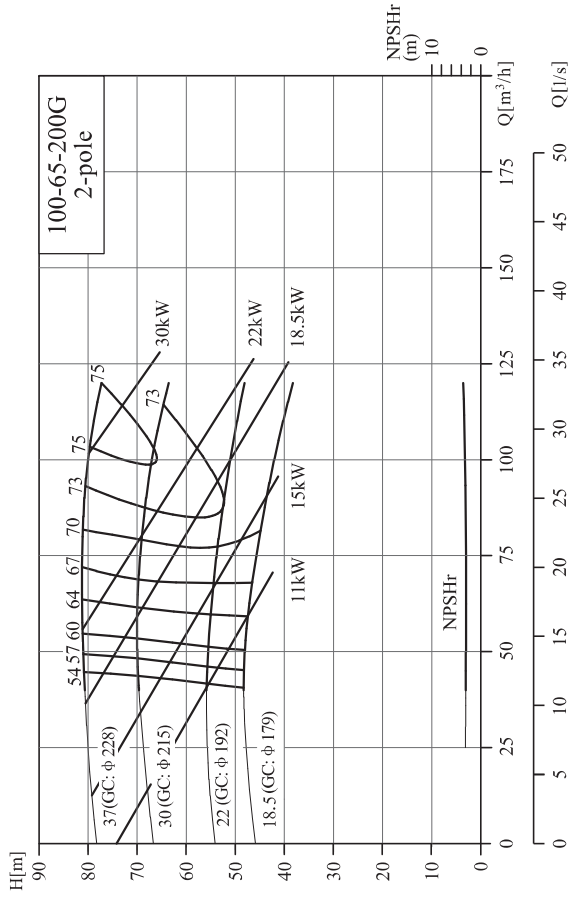
No.	Model	Q [m³/h]	H [m]	Flow range [r/min]	Motor [kW]	n [r/min]			
1	NIS100-65-200G/3	50	13	20~60	3	1450			
2	NIS100-65-200G/4		17.5		4				
3	NIS100-65-250G/5.5		24		5.5				
4	NIS100-65-250G/7.5		28		7.5				
5	NIS100-65-315G/11		40		11				
6	NIS100-65-315G/15		45		15				
7	NIS100-80-160G/1.5		7		1.5				
8	NIS100-80-160G/2.2		10		2.2				
9	NIS125-100-200G/4	100	9.5	40~120	4	1450			
10	NIS125-100-200G/5.5		13		5.5				
11	NIS125-100-200G/7.5		18		7.5				
12	NIS125-100-250G/11		25		11				
13	NIS125-100-315G/15		33		15				
14	NIS125-100-315G/18.5		40		18.5				
15	NIS125-100-400G/30		55		30				
16	NIS125-100-400G/37		68		37				
17	NIS125-100-400G/45		72		45				
18	NIS150-125-200(Q)/5.5		160		8.5		60~200	5.5	1450
19	NIS150-125-200(Q)/7.5				12			7.5	
20	NIS150-125-200(Q)/11				16			11	
21	NIS(F)50-125-200G/5.5	7		5.5					
22	NIS(F)50-125-200G/7.5	10		7.5					
23	NIS(F)50-125-200G/11	14		11					
24	NIS150-125-250G/15	18		15					
25	NIS150-125-250G/18.5	23		18.5					
26	NIS150-125-250G/22	27	22						

NIS*G,NIS*(Q) Product range

No.	Model	Q [m³/h]	H [m]	Flow range [r/min]	Motor [kW]	n [r/min]
27	NIS150-125-315(Q)/22	160	32	60~200	22	1480
28	NIS150-125-315(Q)/30		43		30	
29	NIS150-125-315G/30	200	36	80~240	30	1480
30	NIS150-125-315G/37		42		37	
31	NIS150-125-400(Q)/37	160	50	60~200	37	1480
32	NIS150-125-400G/45		54		45	
33	NIS150-125-400G/55	200	64	80~240	55	1480
34	NIS150-125-400G/75		71		75	
35	NIS200-150-250(Q)/11	300	9.5	120~360	11	1480
36	NIS200-150-250(Q)/15		12.5		15	
37	NIS200-150-250(Q)/18.5		16		18.5	
38	NIS200-150-250(Q)/22		20		22	
39	NIS(F)200-150-250G/15	400	9	160~480	15	1480
40	NIS(F)200-150-250G/18.5		12		18.5	
41	NIS(F)200-150-250G/22		15.5		22	
42	NIS(F)200-150-250G/30		20		30	
43	NIS200-150-315G/37		24		37	
44	NIS200-150-315G/45		29		45	
45	NIS200-150-315G/55		36		55	
46	NIS200-150-400G/75		47		75	
47	NIS200-150-400G/90	56	90			
48	NIS200-150-400G/110	63	110			

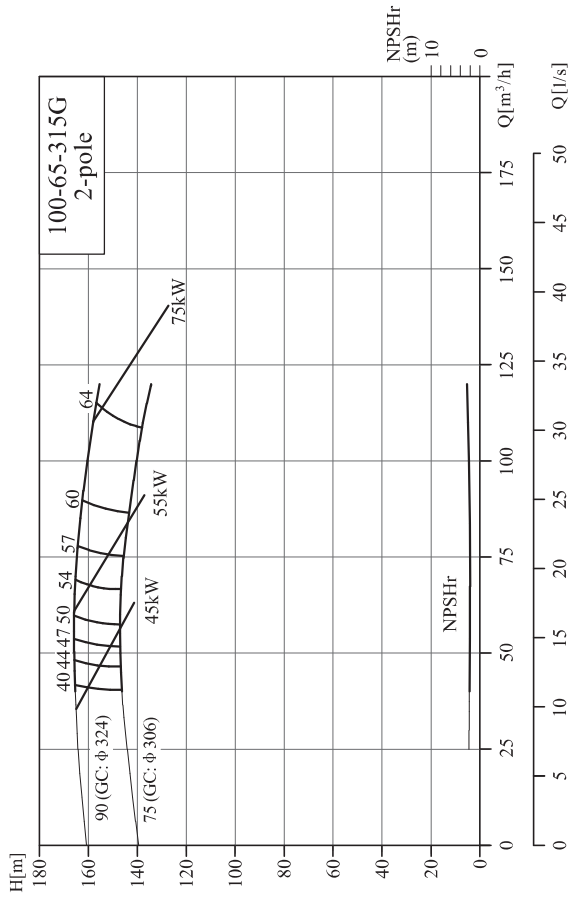
Performance curve

NIS100-65-200G/100-65-250G



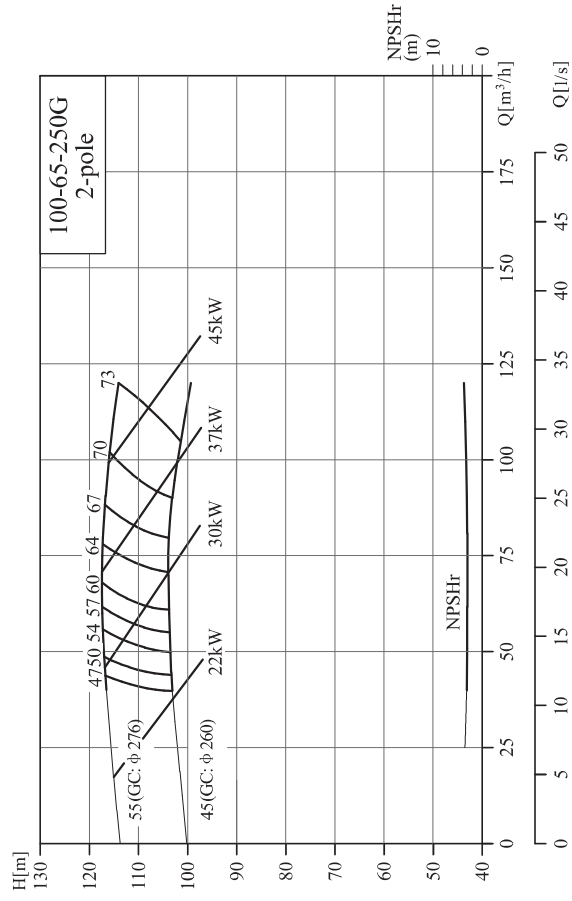
Performance curve

NIS100-65-315G/100-80-160G

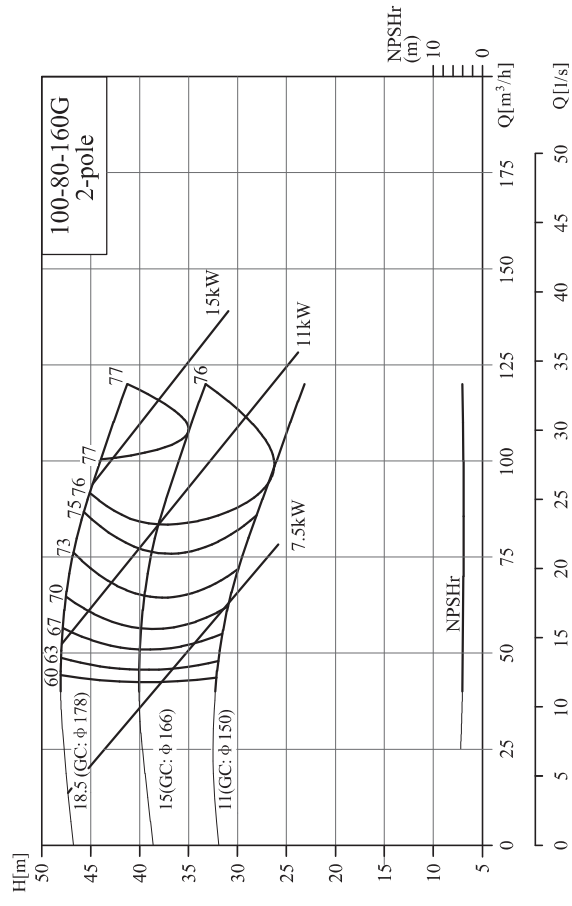


Performance curve

100-65-250G

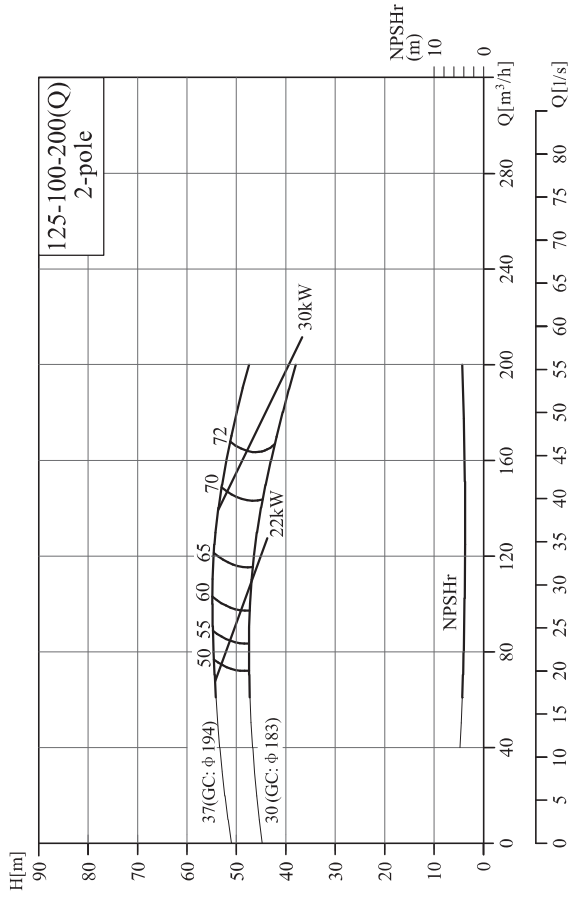


100-80-160G



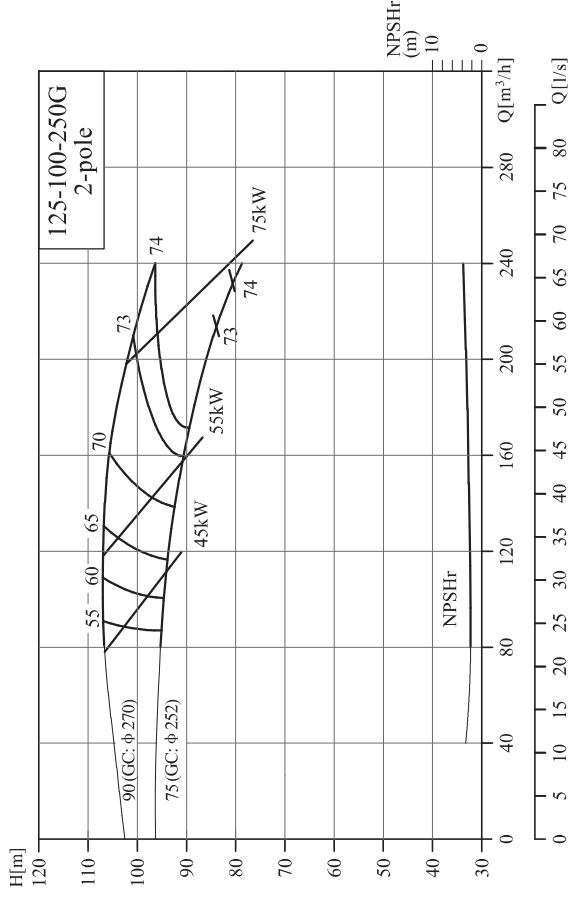
Performance curve

NIS125-100-200(Q)/125-100-200G



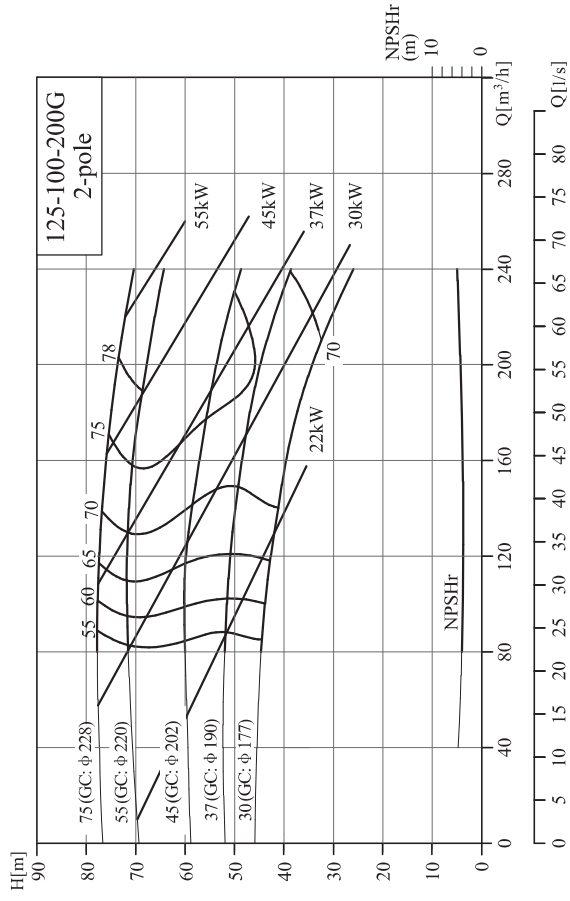
Performance curve

NIS125-100-250G/125-100-315G



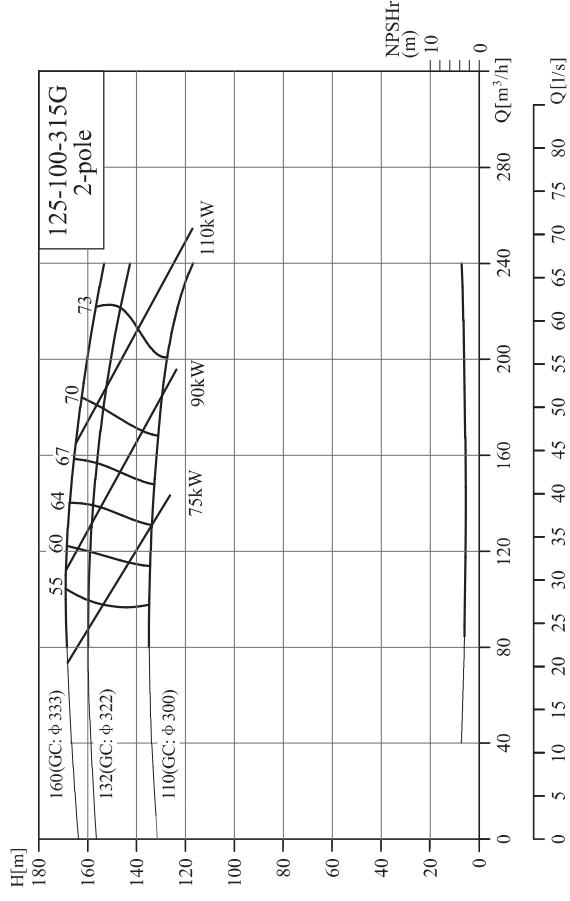
Performance curve

125-100-200G



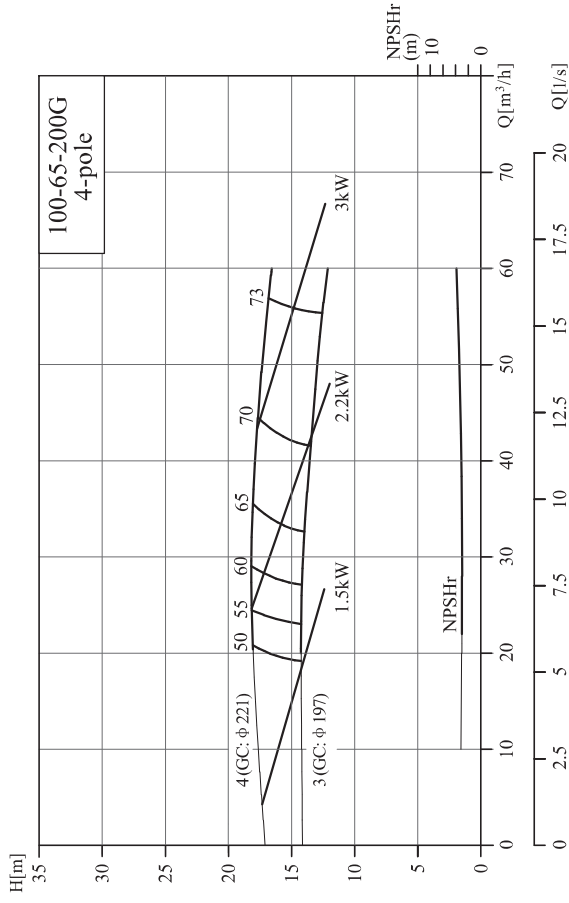
Performance curve

125-100-315G



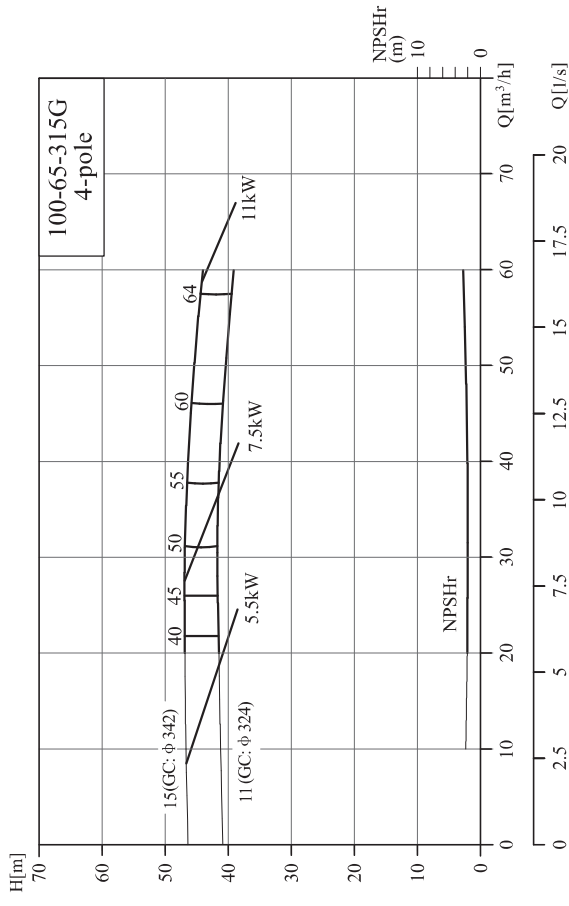
Performance curve

NIS100-65-200G/100-65-250G

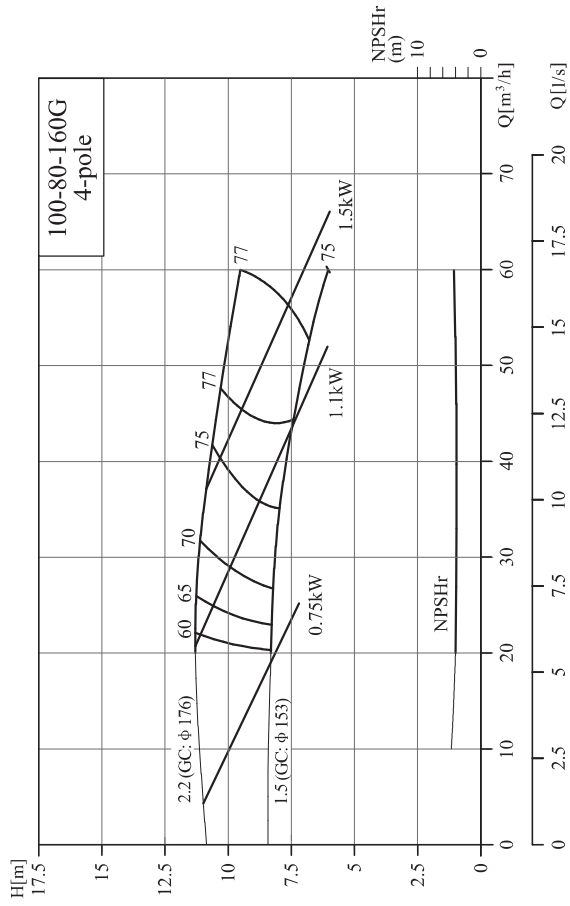
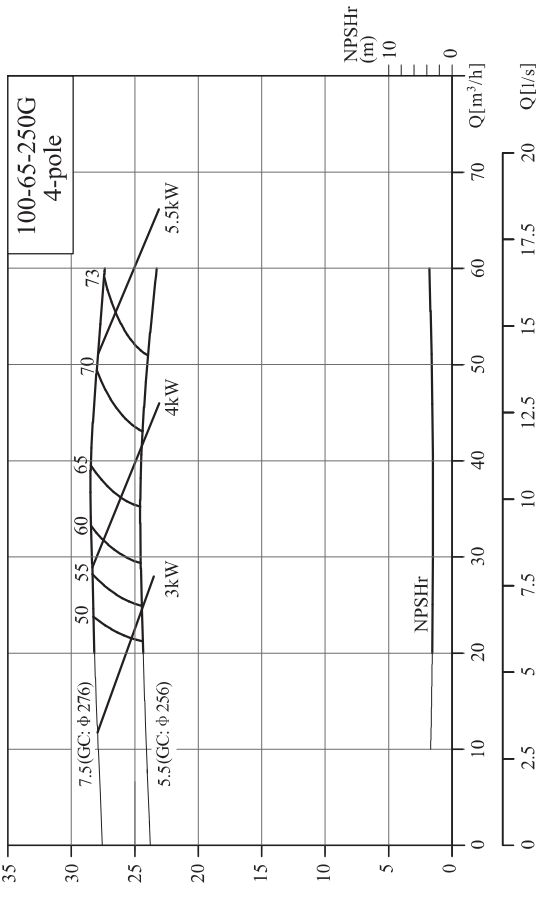


Performance curve

NIS100-65-315G/100-80-160G

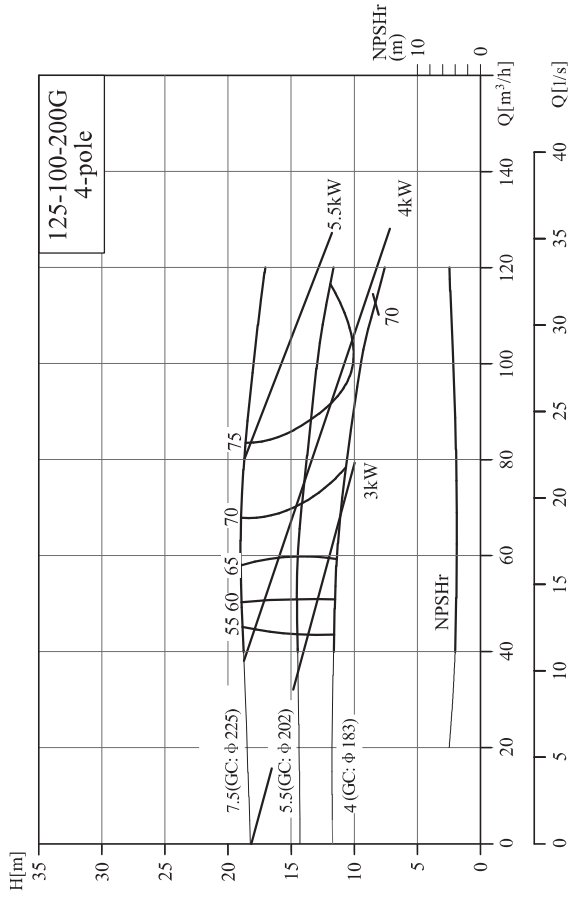


Performance curve



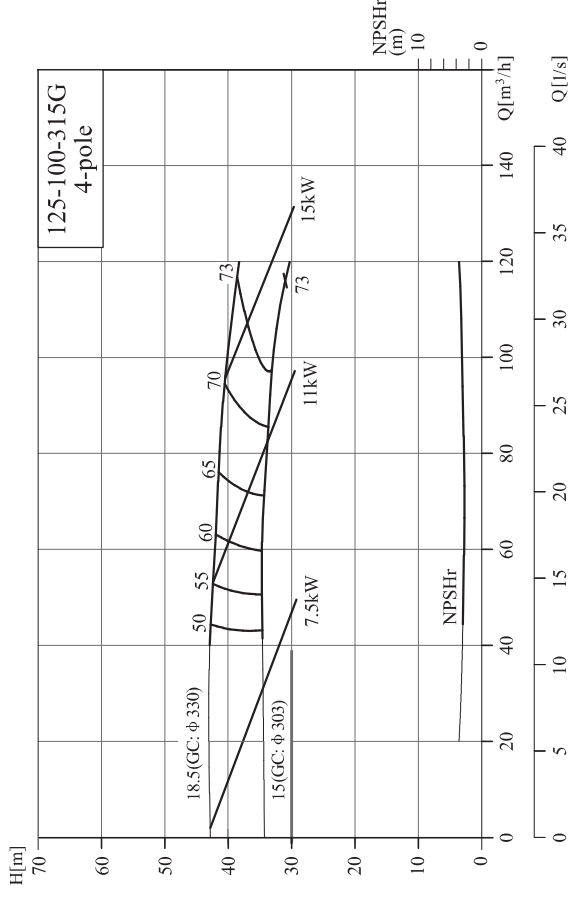
Performance curve

NIS125-100-200G/125-100-250G



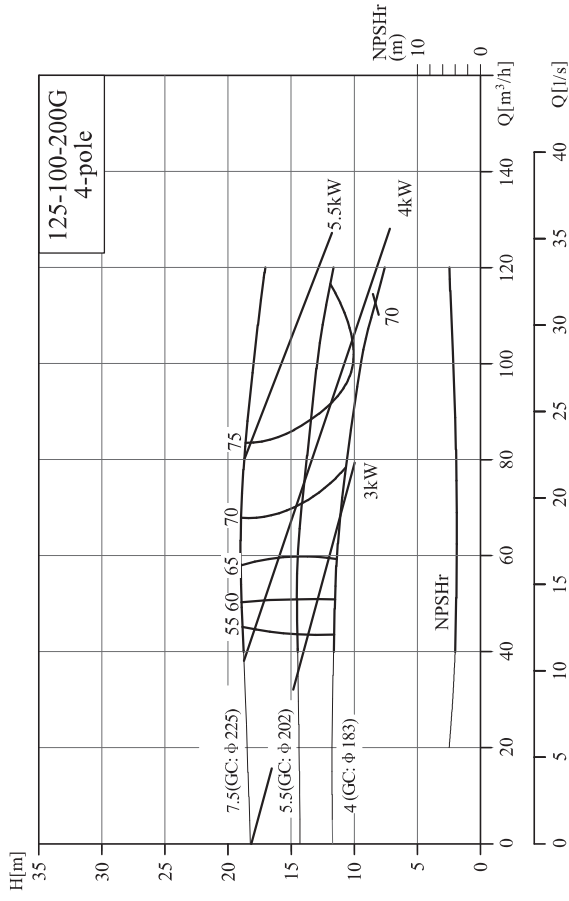
Performance curve

NIS125-100-315G/125-100-400G



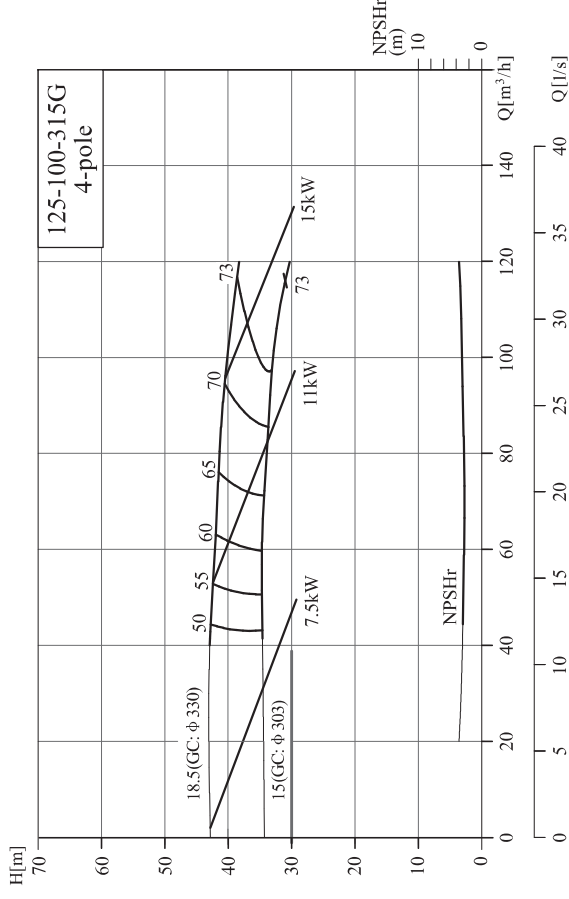
Performance curve

NIS125-100-200G 4-pole



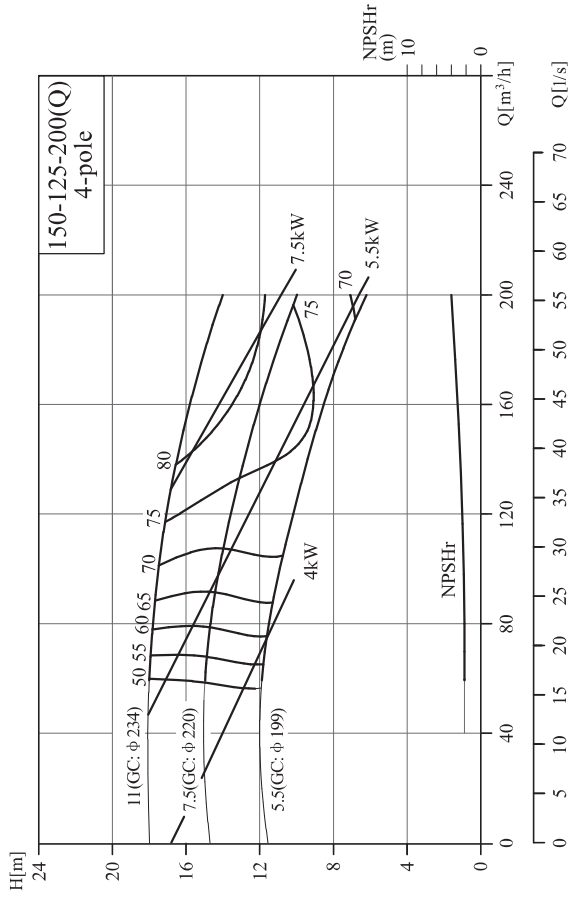
Performance curve

NIS125-100-400G 4-pole



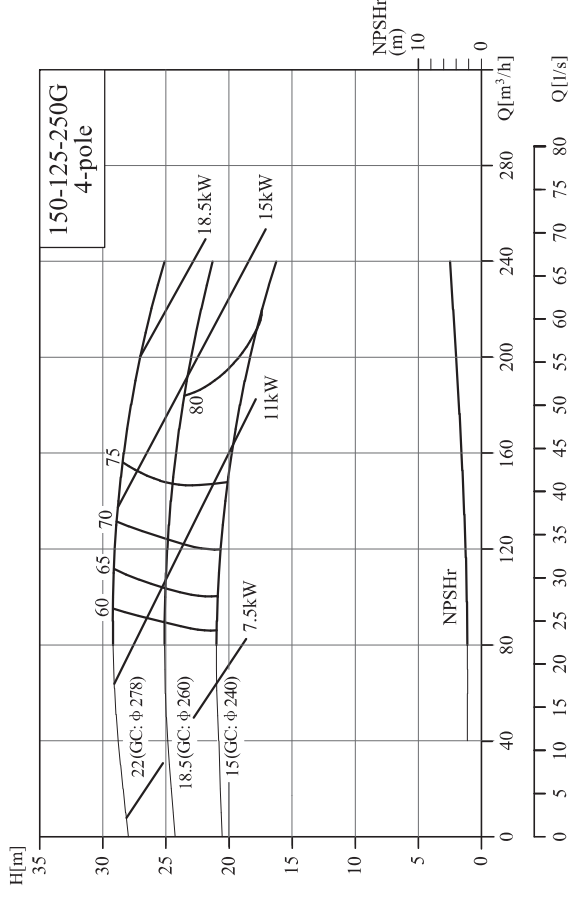
Performance curve

NIS150-125-200(Q)/150-125-200G



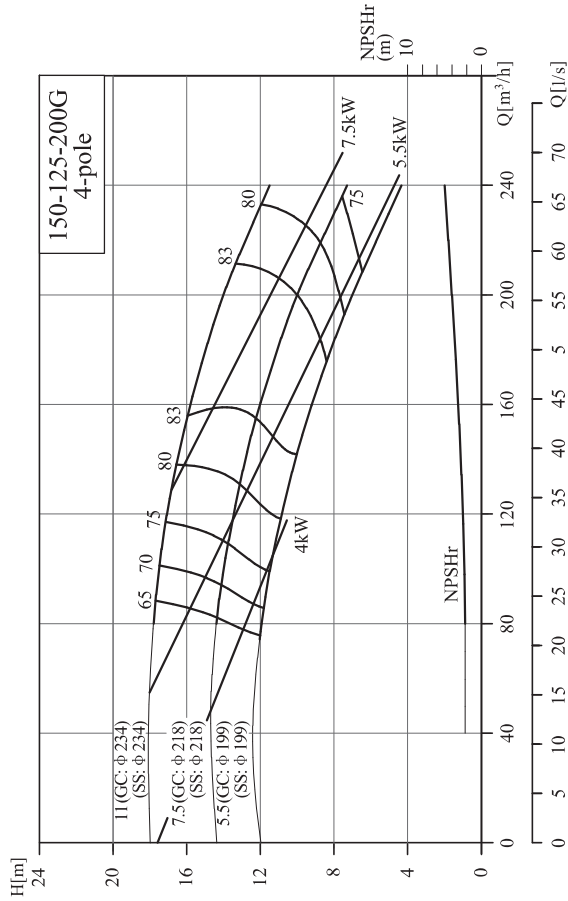
Performance curve

NIS150-125-250G/150-125-315(Q)

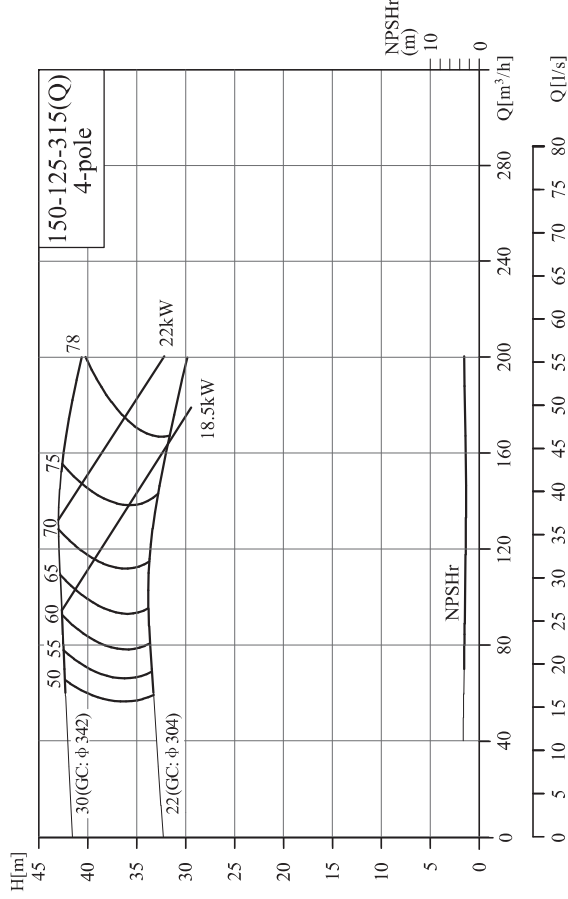


Performance curve

150-125-200G

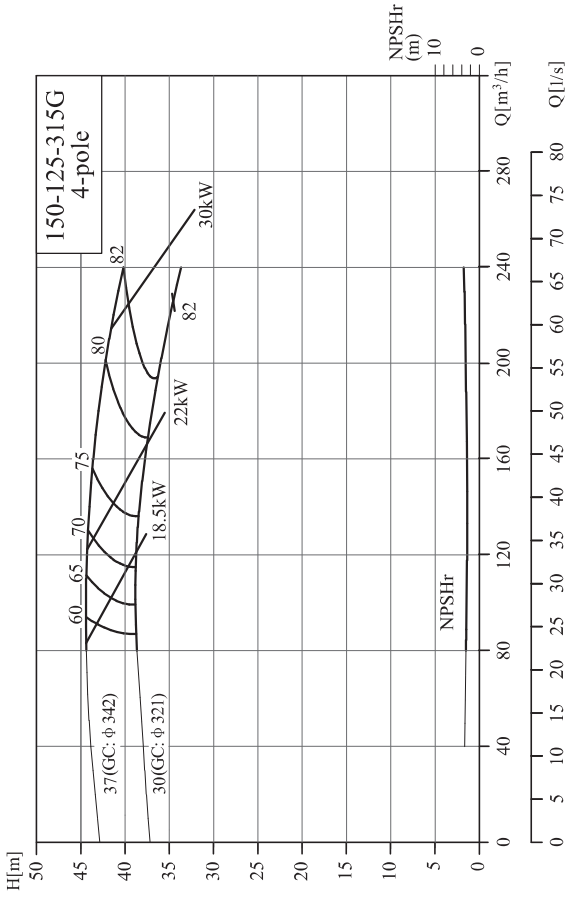


150-125-315(Q)



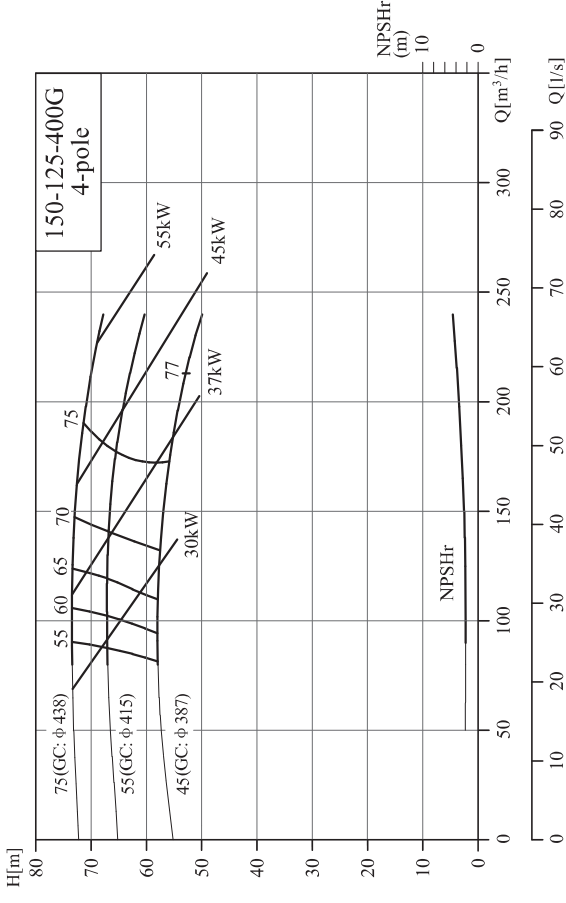
Performance curve

NIS150-125-315G/150-125-400(Q)



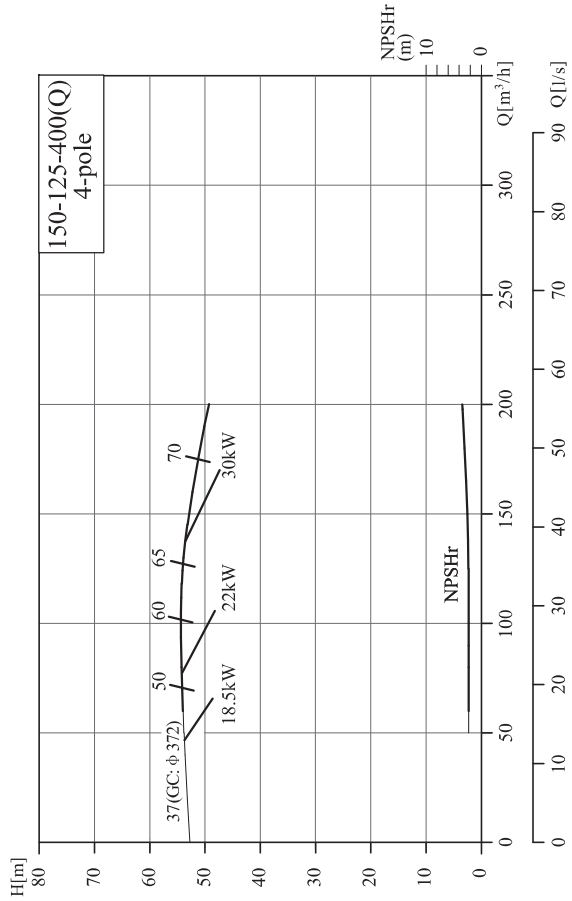
Performance curve

NIS150-125-400G/200-150-250(Q)

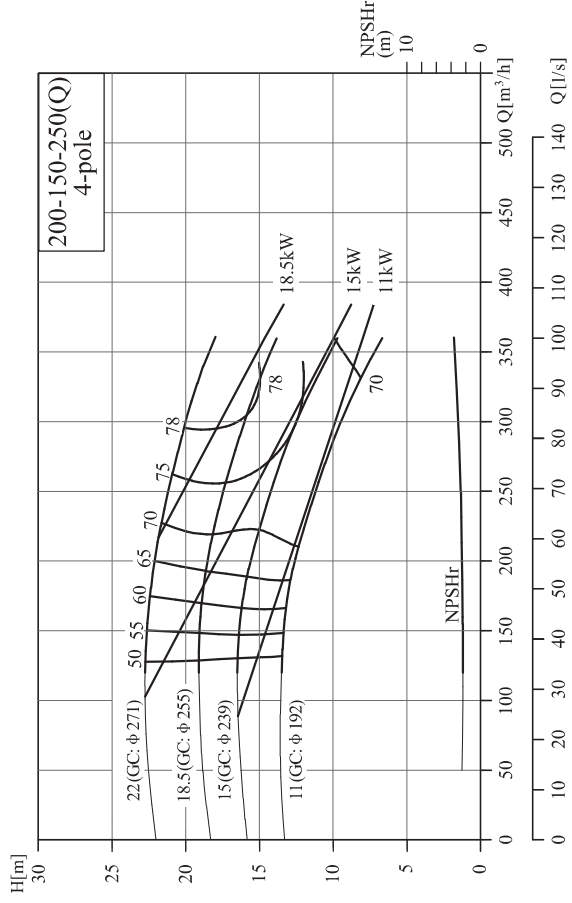


Performance curve

150-125-400(Q)

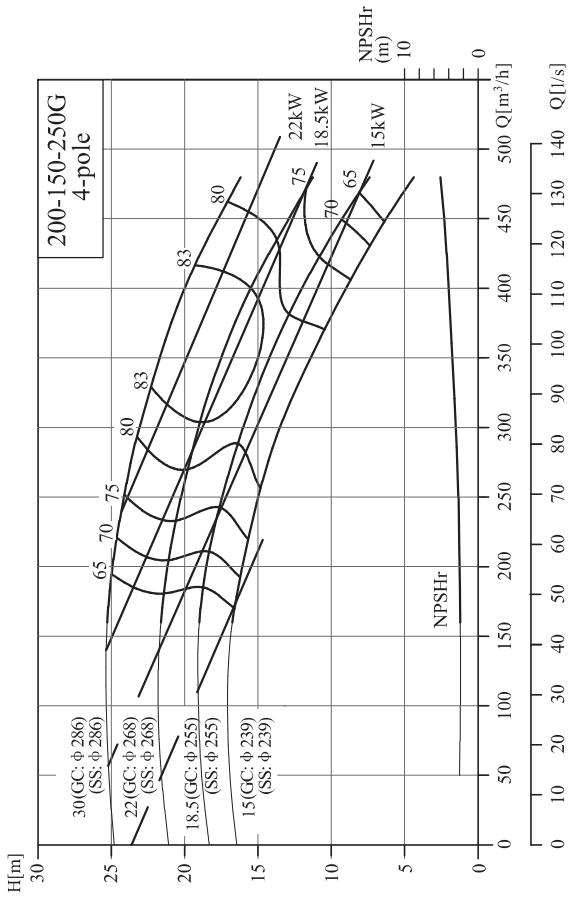


200-150-250(Q)



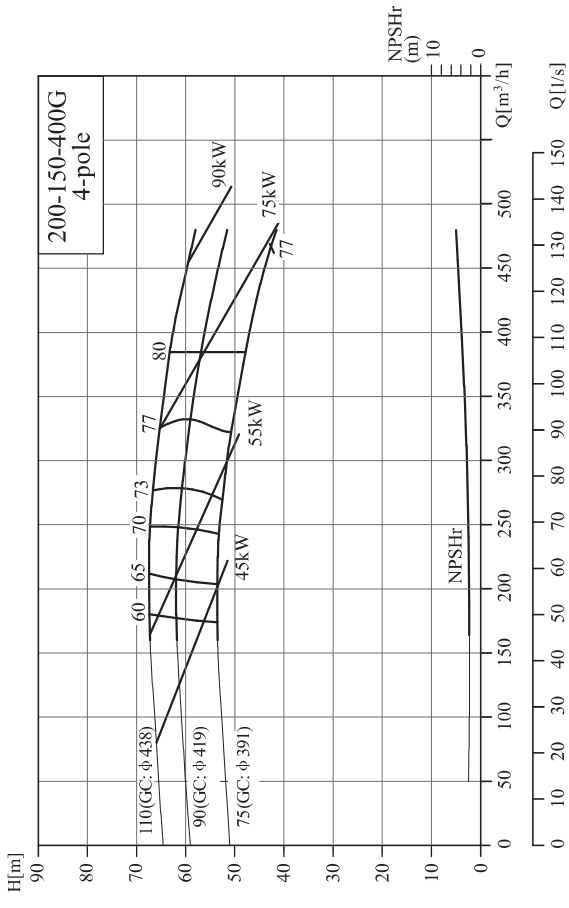
Performance curve

NIS200-150-250G/200-150-315G

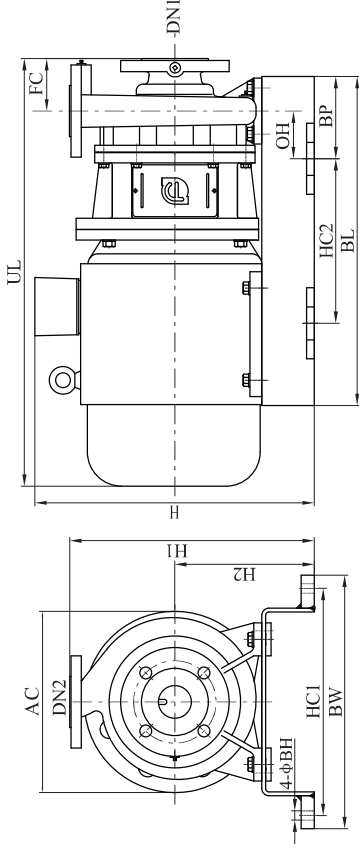


Performance curve

NIS200-150-400G



NIS*G,NIS*(Q) Dimension drawing



NIS*G,NIS*(Q) Dimension table

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	2-pole	
																Total weight (kg)	
125-100-250G	75	780	660	380	630	600	670	1000	200	22	114	1265	140	125	100	701	
	90	780	660	380	630	600	670	1100	250	22	164	1315	140	125	100	738	
	110	945	730	415	720	600	760	1100	250	22	164	1545	140	125	100	1170	
125-100-315G	132	945	730	415	720	700	760	1220	260	22	174	1655	140	125	100	1230	
	160	945	730	415	720	700	760	1220	260	22	174	1655	140	125	100	1350	

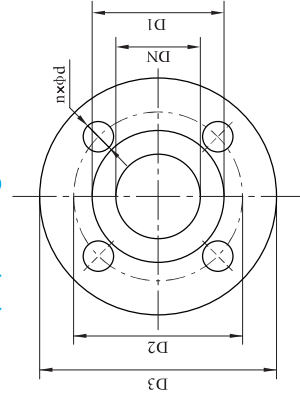
NIS*G,NIS*(Q) Dimension table

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	2-pole	
																Total weight (kg)	
100-65-200G	18.5	520	485	260	390	400	420	660	130	18	63.5	865	100	100	65	222	
	22	535	485	260	430	400	460	700	150	18	81.5	895	100	100	65	257	
	30	585	505	280	470	450	500	750	150	18	81.5	967	100	100	65	318	
100-65-250G	37	585	505	280	470	450	500	750	150	18	81.5	967	100	100	65	337	
	45	640	555	305	520	500	560	820	160	22	76.5	1042	125	100	65	426	
	55	715	600	350	585	550	625	950	200	22	116.5	1156	125	100	65	529	
100-65-315G	75	780	660	380	630	600	670	1000	200	22	114	1245	125	100	65	693	
	90	780	660	380	630	600	670	1100	250	22	164	1295	125	100	65	730	
100-80-160G	11	515	440	240	390	400	420	660	130	18	61.5	810	100	100	80	177	
	15	515	440	240	390	400	420	660	130	18	61.5	810	100	100	80	187	
	18.5	515	440	240	390	400	420	660	130	18	61.5	865	100	100	80	207	
125-100-200(Q)	30	585	560	280	465	500	495	800	150	18	69	992	125	125	100	349	
	37	585	560	280	465	500	495	800	150	18	69	992	125	125	100	368	
	30	585	560	280	465	500	495	800	150	18	69	992	125	125	100	349	
125-100-200G	37	585	560	280	465	500	495	800	150	18	69	992	125	125	100	368	
	45	640	585	305	520	500	560	820	160	22	76.5	1042	125	125	100	431	
	55	715	630	350	585	550	625	950	200	22	116.5	1156	125	125	100	534	
150-125-250G	75	780	660	380	630	600	670	1000	200	22	114	1231	125	125	100	678	

NIS*G,NIS*(Q) Dimension table

Model	Power (kW)	4-pole													Total weight (kg)	
		H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1		DN2
150-125-315(Q)	22	635	715	360	580	500	620	800	150	22	50	994	140	150	125	400
	30	665	715	360	580	500	620	800	150	22	50	1028	140	150	125	430
150-125-315G	30	665	715	360	580	500	620	800	150	22	50	1028	140	150	125	430
	37	715	735	380	585	550	625	950	200	22	100	1071	140	150	125	507
150-125-400(Q)	37	750	815	415	585	550	625	950	200	22	100	1071	140	150	125	521
	45	750	815	415	585	550	625	950	200	22	100	1103	140	150	125	561
150-125-400G	55	780	815	415	585	550	625	950	200	22	100	1187	140	150	125	620
	75	815	815	415	630	600	670	1000	200	22	100	1262	140	150	125	776
200-150-250(Q)	11	620	735	360	580	500	620	800	150	22	50	901	160	200	150	273
	15	620	735	360	580	500	620	800	150	22	50	956	160	200	150	299
200-150-250G	18.5	635	735	360	580	500	620	800	150	22	50	988	160	200	150	337
	22	635	735	360	580	500	620	800	150	22	50	1026	160	200	150	360
200-150-250G	15	620	735	360	580	500	620	800	150	22	50	956	160	200	150	299
	18.5	635	735	360	580	500	620	800	150	22	50	988	160	200	150	337
200-150-250G	22	635	735	360	580	500	620	800	150	22	50	1026	160	200	150	360
	30	665	735	360	580	500	620	800	150	22	50	1048	160	200	150	426
200-150-315G	37	750	815	415	605	500	670	900	200	22	100	1116	160	200	150	541
	45	750	815	415	605	500	645	900	200	22	100	1146	160	200	150	579
200-150-315G	55	780	815	415	605	600	645	1000	200	22	100	1254	160	200	150	650
	75	815	865	415	630	600	675	1100	250	22	150	1329	160	200	150	859
200-150-400G	90	815	865	415	630	600	675	1100	250	22	150	1379	160	200	150	956
	110	945	865	415	720	700	760	1220	260	22	160	1614	160	200	150	1325

NIS*G,NIS*(Q) Flange



NIS*G,NIS*(Q) Flange dimension						
DN	DI	D2	D3	n	d	
65	122	145	185	4	18	
80	133	160	200	8	18	
100	158	180	220	8	18	
125	184	210	250	8	18	
150	212	240	285	8	22	
200	268	295	340	12	22	

NISO, NIS, NISF Product range

No.	Model	Q [m³/h]	H [m]	Motor [kW]	n [r/min]	2-pole	
1	50-32-160/3	12.5	28	3	2900		
2	50-32-160/4		36	4			
3	50-32-160/5.5		44	5.5			
4	50-32-200/7.5		55	7.5			
5	50-32-200/11		74	11	2950		
6	65-40-200/7.5		48	7.5	2900		
7	65-40-200/11		62	11			
8	65-40-200/15		72	15			
9	65-40-250/18.5		84	18.5			
10	65-40-250/22		95	22			
11	65-40-250/30		105	30	2950		
12	65-40-315/22	25	105	22			
13	65-40-315/30		120	30			
14	65-40-315/37		145	37			
15	65-40-315/45		165	45			
16	65-50-160/4		28	4			
17	65-50-160/5.5		36	5.5	2900		
18	65-50-160/7.5		42	7.5			
19	80-50-200/11		44	11			
20	80-50-200/15		57	15			
21	80-50-200/18.5		64	18.5			
22	80-50-200/22		71	22			
23	80-50-250/30	50	84	30	2950		
24	80-50-250/37		100	37			
25	80-50-315/37		105	37			
26	80-50-315/45		125	45			
27	80-50-315/55		140	55			
28	80-50-315/75		152	75			

NISO, NIS, NISF Product range

No.	Model	Q [m ³ /h]	H [m]	Motor [kW]	n [r/min]
29	80-65-160/5.5	50	22	5.5	2900
30	80-65-160/7.5		29	7.5	
31	80-65-160/11		38	11	
32	80-65-160/15		44	15	
33	100-65-200/18.5	100	36	18.5	2950
34	100-65-200/22		43	22	
35	100-65-200/30		56	30	
36	100-65-200/37		67	37	
37	100-65-250/45	100	80	45	2950
38	100-65-250/55		88	55	
39	100-65-250/75		108	75	
40	100-65-315/90		128	90	
41	100-65-315/110	100	148	110	2950
42	100-80-160/11		23	11	
43	100-80-160/15		30	15	
44	100-80-160/18.5		35	18.5	
45	100-80-160/22	200	40	22	2950
46	125-100-200/30		34	30	
47	125-100-200/37		41	37	
48	125-100-200/45		48	45	
49	125-100-200/55	200	55	55	2950
50	125-100-200/75		66	75	
51	125-100-250/75		75	75	
52	125-100-250/90		86	90	
53	125-100-250/110	200	100	110	2950
54	125-100-315/90		93	90	
55	125-100-315/110		108	110	
56	125-100-315/132		124	132	
57	125-100-315/160	200	144	160	2950

NISO, NIS, NISF Product range

No.	Model	Q [m ³ /h]	H [m]	Motor [kW]	n [r/min]
1	50-32-160/0.55	6.3	8.5	0.55	1450
2	50-32-160/0.75		11	0.75	
3	50-32-200/1.1		14	1.1	
4	50-32-200/1.5		18	1.5	
5	65-40-200/1.1	12.5	12	1.1	1450
6	65-40-200/1.5		15	1.5	
7	65-40-200/2.2		17.5	2.2	
8	65-40-250/3		25	3	
9	65-40-315/4	12.5	34	4	1450
10	65-40-315/5.5		40	5.5	
11	65-50-160/0.55		7	0.55	
12	65-50-160/0.75		9	0.75	
13	65-50-160/1.1	25	10.5	1.1	1450
14	80-50-200/1.5		11	1.5	
15	80-50-200/2.2		15	2.2	
16	80-50-200/3		17.5	3	
17	80-50-250/4	25	21	4	1450
18	80-50-250/5.5		25	5.5	
19	80-50-315/5.5		30	5.5	
20	80-50-315/7.5		37	7.5	
21	80-65-160/0.75	50	6	0.75	1450
22	80-65-160/1.1		8	1.1	
23	80-65-160/1.5		10.5	1.5	
24	100-65-200/3		11.5	3	
25	100-65-200/4	50	14	4	1450
26	100-65-200/5.5		16	5.5	
27	100-65-250/5.5		20	5.5	
28	100-65-250/7.5		25	7.5	
29	100-65-315/11	50	32	11	1480

NISO, NIS, NISF Product range

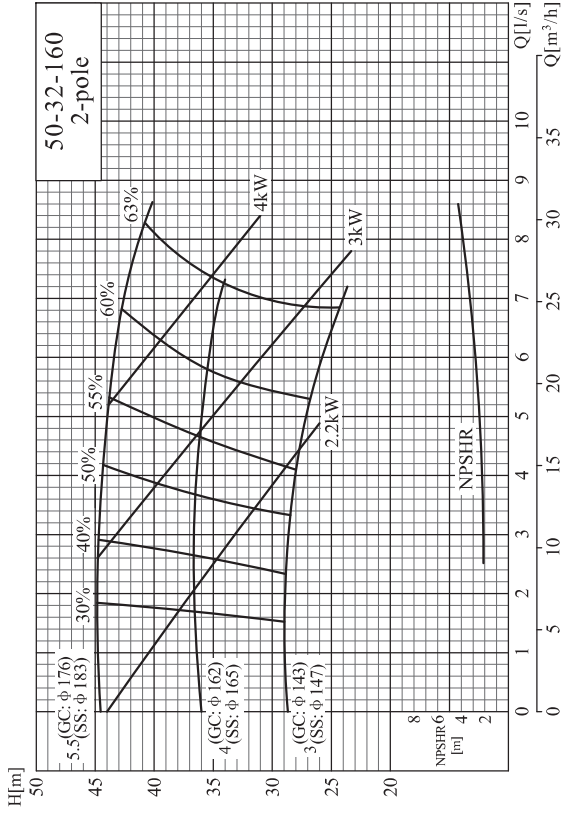
No.	Model	Q [m ³ /h]	H [m]	Motor [kW]	n [r/min]	4-pole
30	100-65-315/15	50	40	15	1480	
31	100-80-160/1.5		6.5	1.5		
32	100-80-160/2.2		9	2.2		
33	100-80-160/3	10.5	3	1450		
34	125-80-400/15	39	15			
35	125-80-400/18.5	45	18.5	1480		
36	125-80-400/22	50	22			
37	125-80-400/30	60	30	37		
38	125-80-400/37	67	37			
39	125-100-200/4	9	4	1450		
40	125-100-200/5.5	11.5	5.5			
41	125-100-200/7.5	14	7.5	11		
42	125-100-200/11	16.5	11			
43	125-100-250/15	25	15	11		
44	125-100-315/11	23	11			
45	125-100-315/18.5	32	18.5	30		
46	125-100-315/22	36	22			
47	125-100-315/30	40	30	30		
48	125-100-400/30	50	30			
49	125-100-400/37	58	37	45	1480	
50	125-100-400/45	65	45			
51	150-125-250/11	12.5	11	15		
52	150-125-250/15	16	15			
53	150-125-250/18.5	20	18.5	22		
54	150-125-250/22	24	22			
55	150-125-315/30	32	30	37		
56	150-125-315/37	39	37			
57	150-125-400/45	50	45	55		
58	150-125-400/55	57	55			

NISO, NIS, NISF Product range

No.	Model	Q [m ³ /h]	H [m]	Motor [kW]	n [r/min]	4-pole
59	150-125-400/75	200	68	75	37	
60	200-150-315/37		23	37		
61	200-150-315/45	400	27	45	55	
62	200-150-315/55		32	55		
63	200-150-315/75	38	75	75		
64	200-150-400/75	43	75			
65	200-150-400/90	50	90	110		
66	200-150-400/110	62	110			
67	250-200-315/37	500	20	37	37	
68	250-200-315/45		23	45		
69	250-200-315/55	24	55	75		
70	250-200-315/75	32	75			
71	250-200-400/90	630	37	90	90	
72	250-200-400/110		44	110		
73	250-200-400/132	53	132	160		
74	250-200-400/160	60	160			
75	300-250-315(Q)/75	800	26	75	1480	
76	300-250-315(Q)/90		32	90		
77	300-250-315(Q)/110	35	110	110		
78	300-250-400(Q)/110	38	110			
79	300-250-400(Q)/132	45	132	160		
80	300-250-400(Q)/160	53	160			
81	300-250-400(Q)/200	63	200	75		
82	300-250-315/75	20	75			
83	300-250-315/90	25	90	110		
84	300-250-315/110	31	110			
85	300-250-400/132	1000	37	132	132	
86	300-250-400/160		45	160		
87	300-250-400/200	50	200			

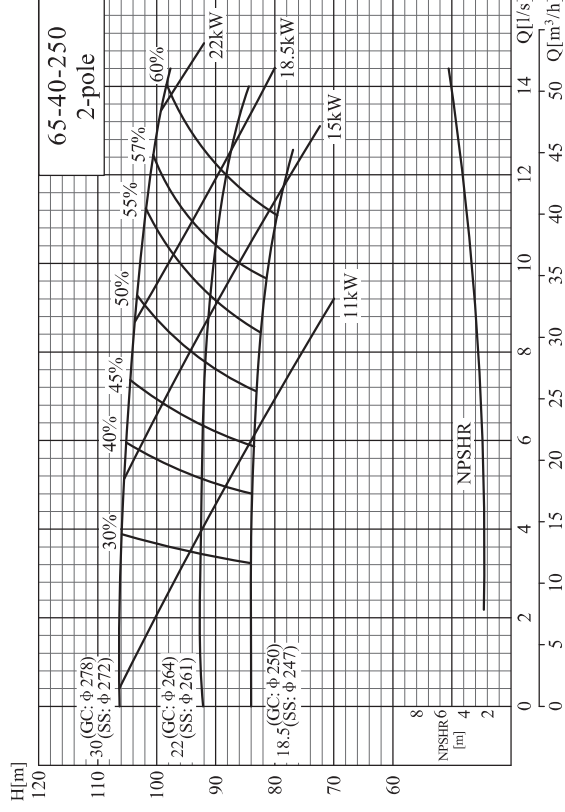
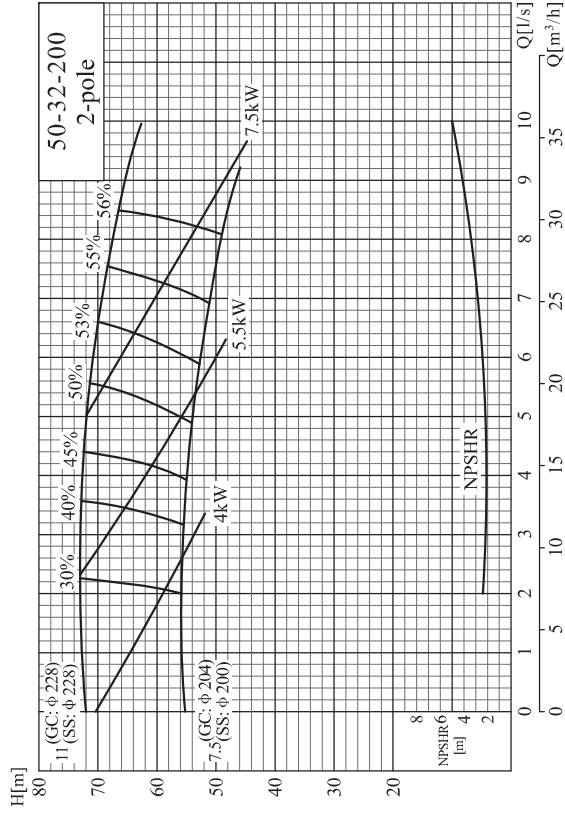
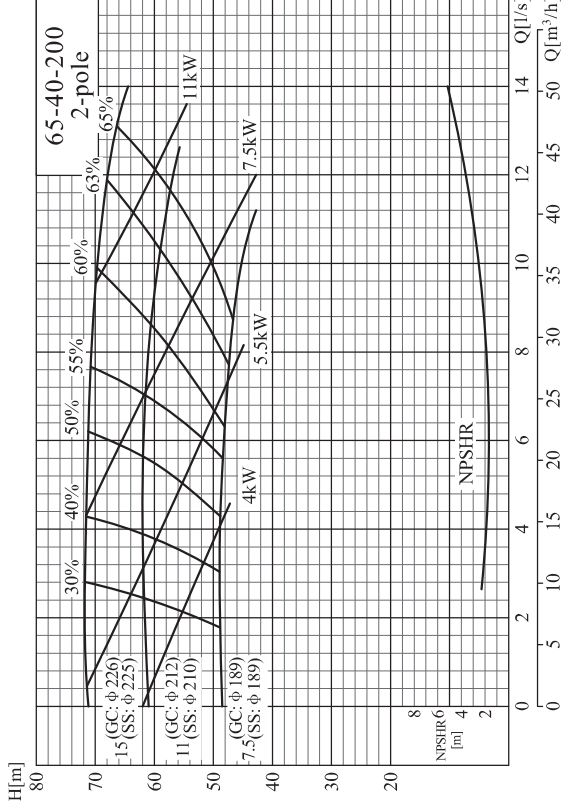
Performance curve

NISO,NIS,NISF 50-32-160/50-32-200



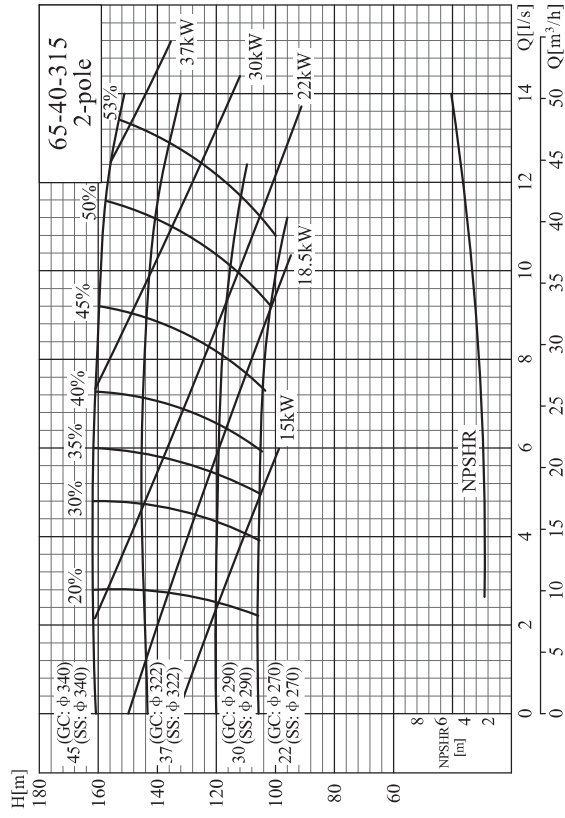
Performance curve

NISO,NIS,NISF 65-40-200/65-40-250



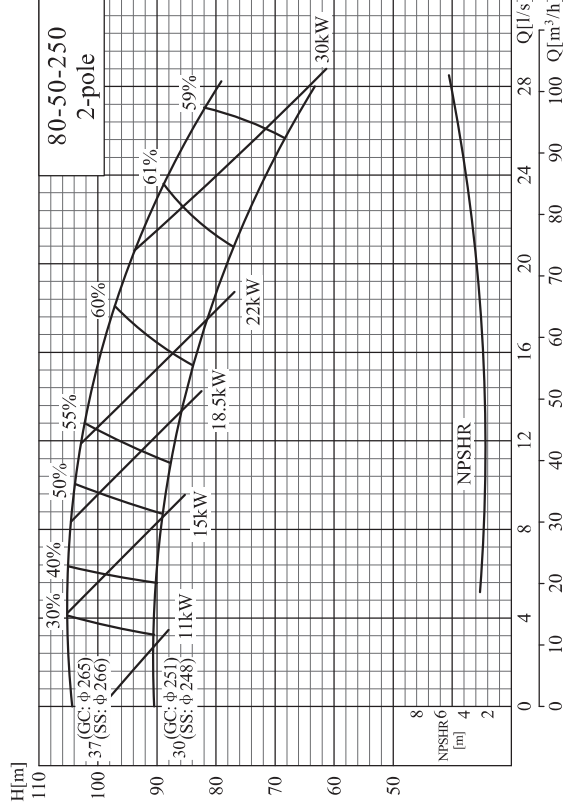
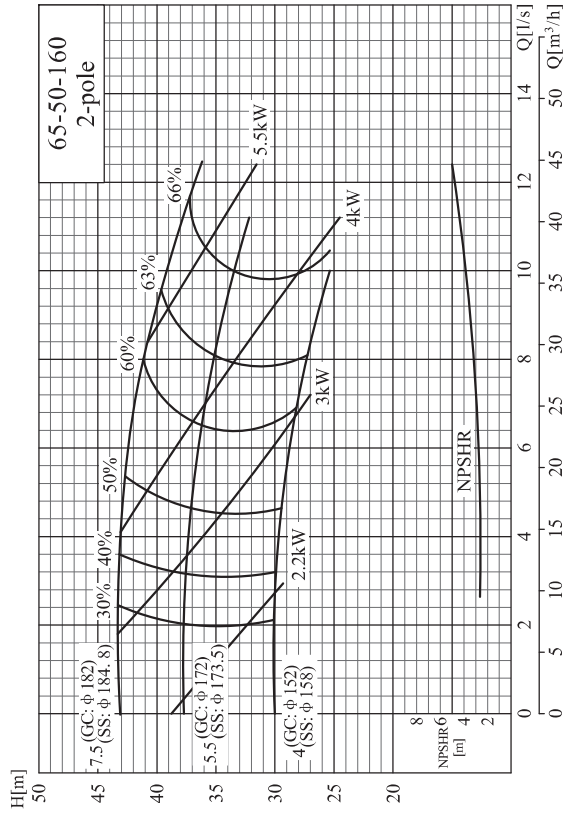
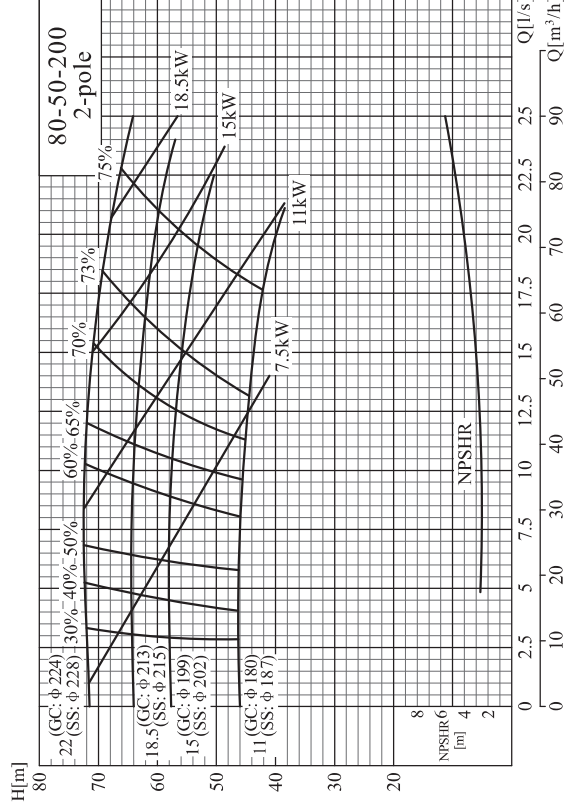
Performance curve

NISO,NIS,NISF 65-40-315/65-50-160



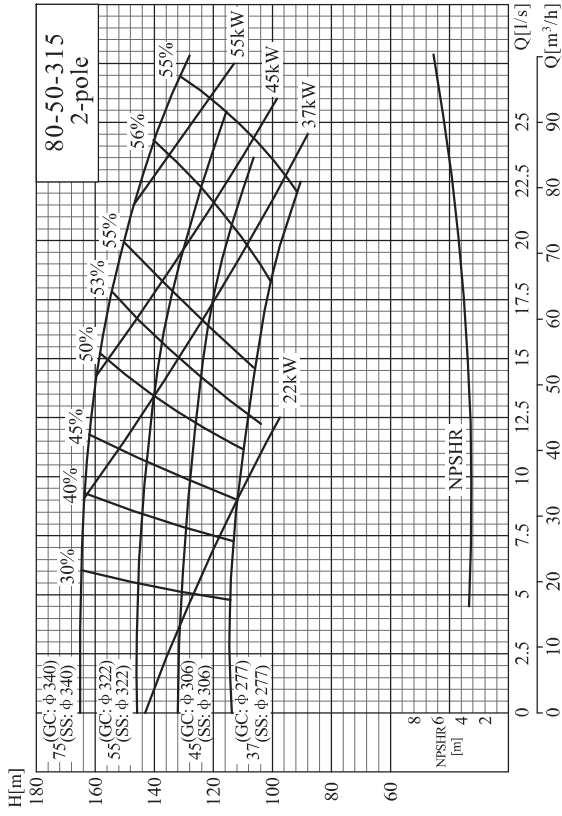
Performance curve

NISO,NIS,NISF 80-50-200/80-50-250



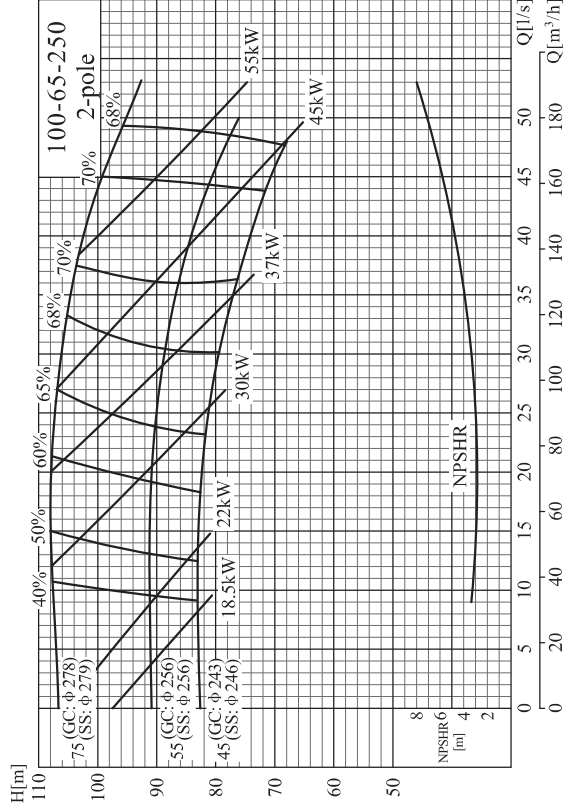
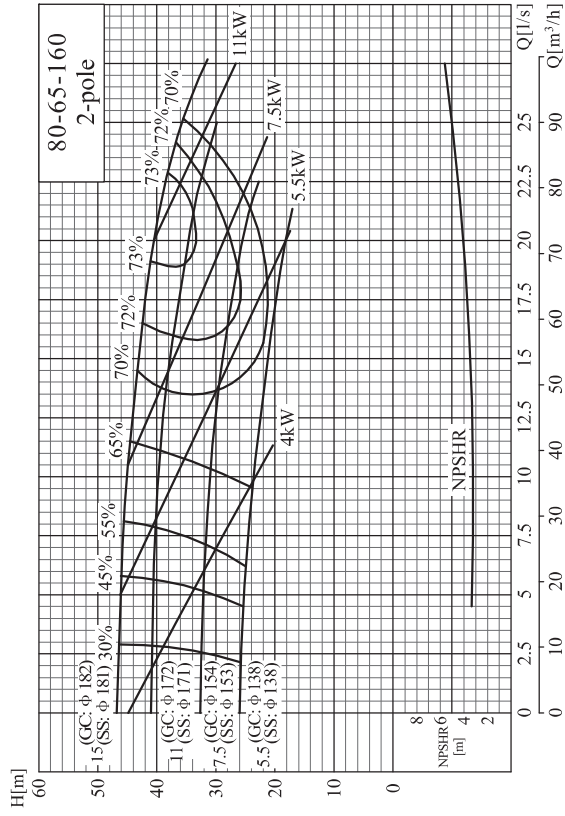
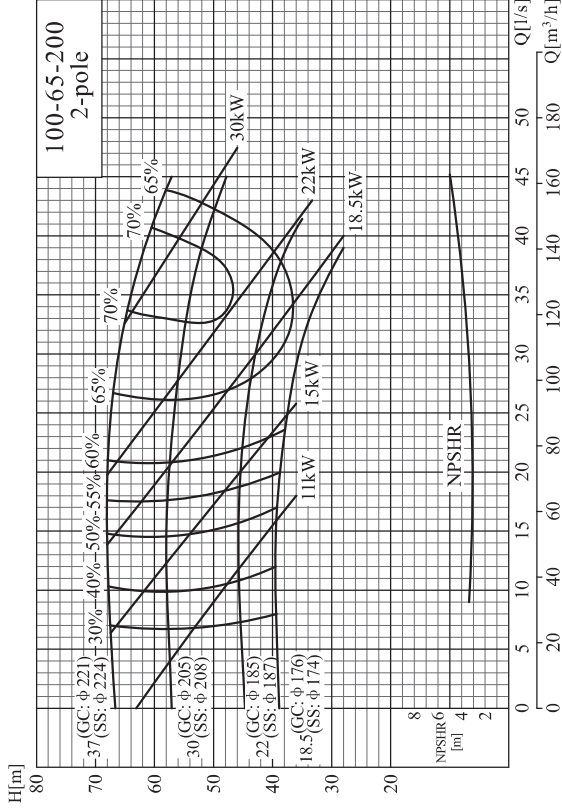
Performance curve

NISO,NIS,NISF 80-50-315/80-65-160



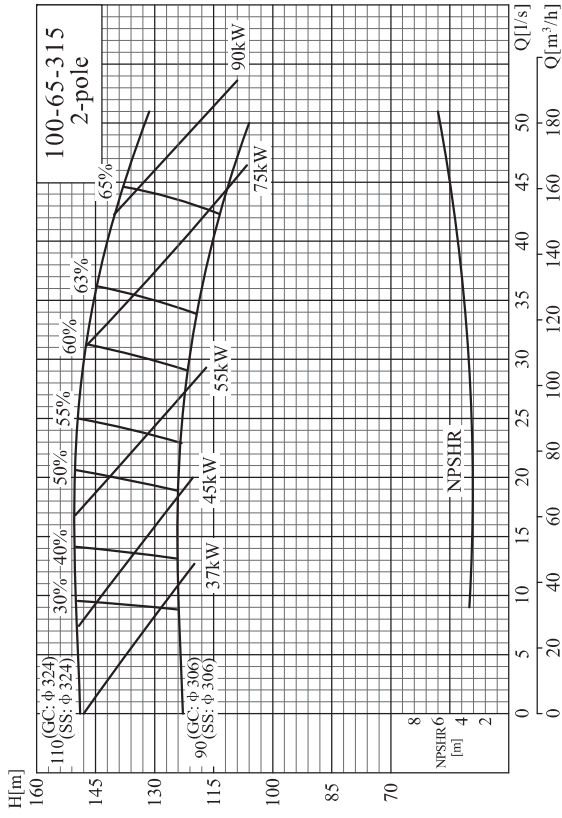
Performance curve

NISO,NIS,NISF 100-65-200/100-65-250



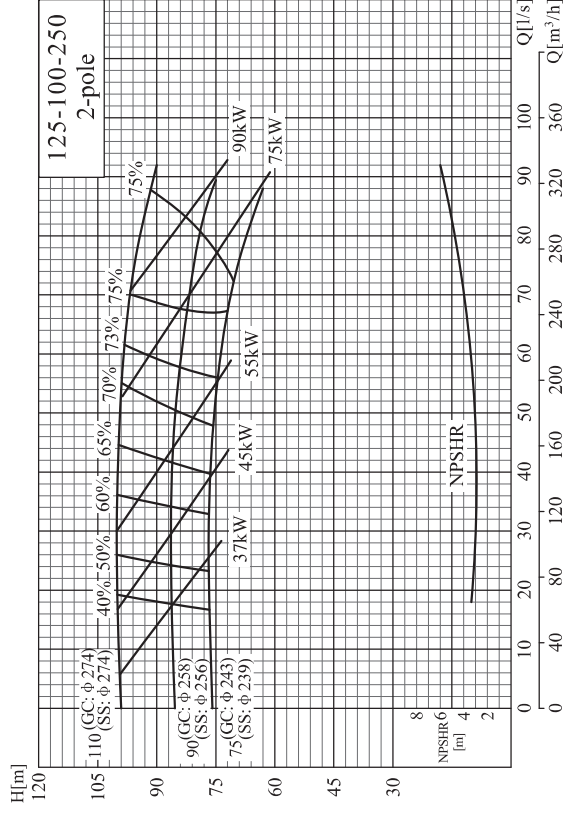
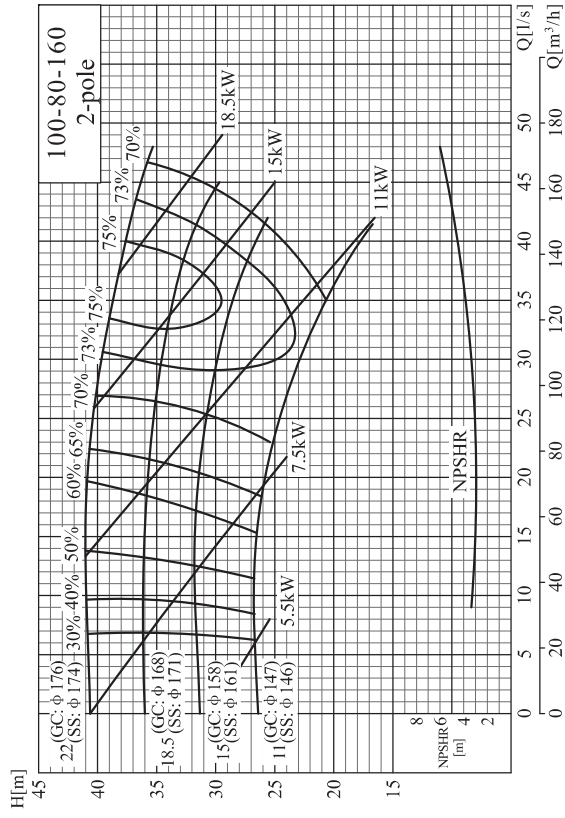
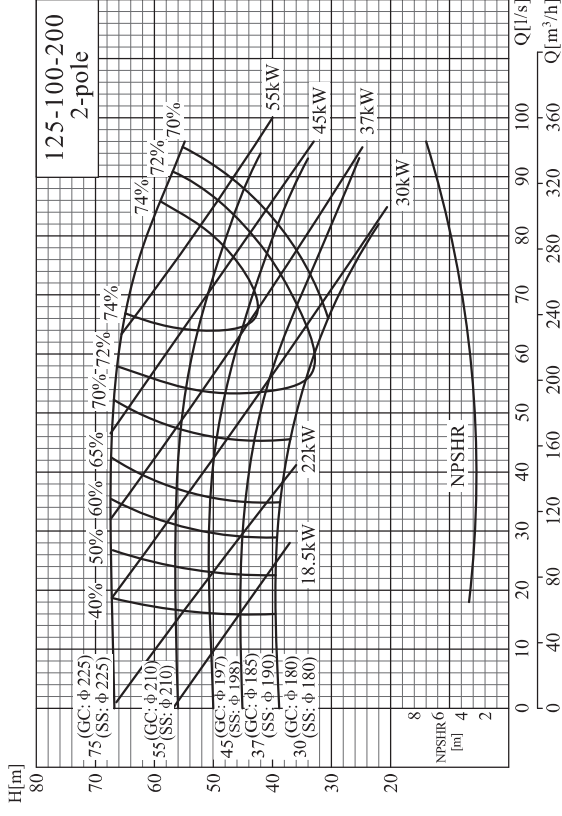
Performance curve

NISO,NIS,NISF100-65-315/100-80-160



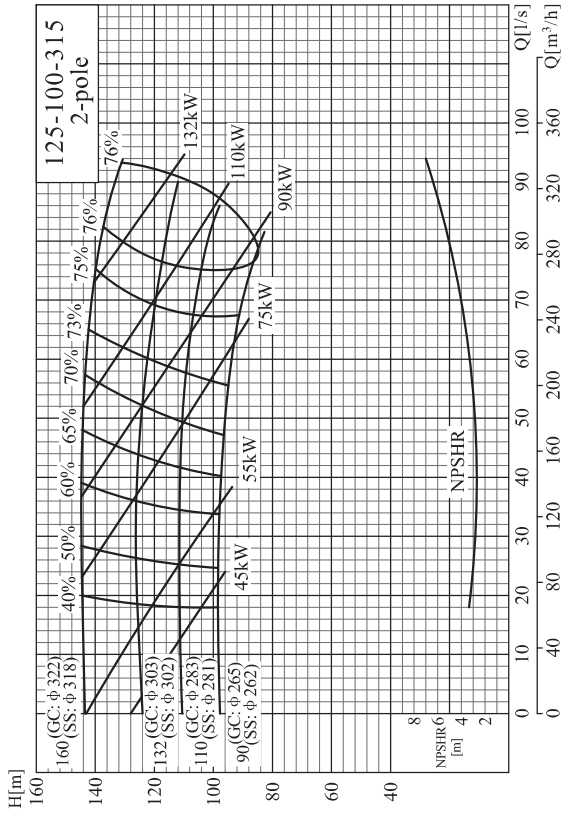
Performance curve

NISO,NIS,NISF125-100-200/125-100-250



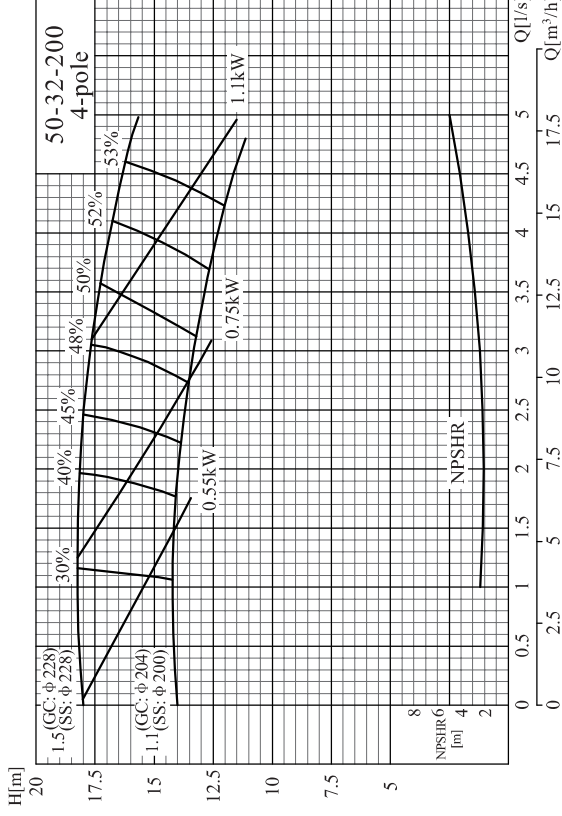
Performance curve

NISO,NIS,NISF 125-100-315/50-32-160



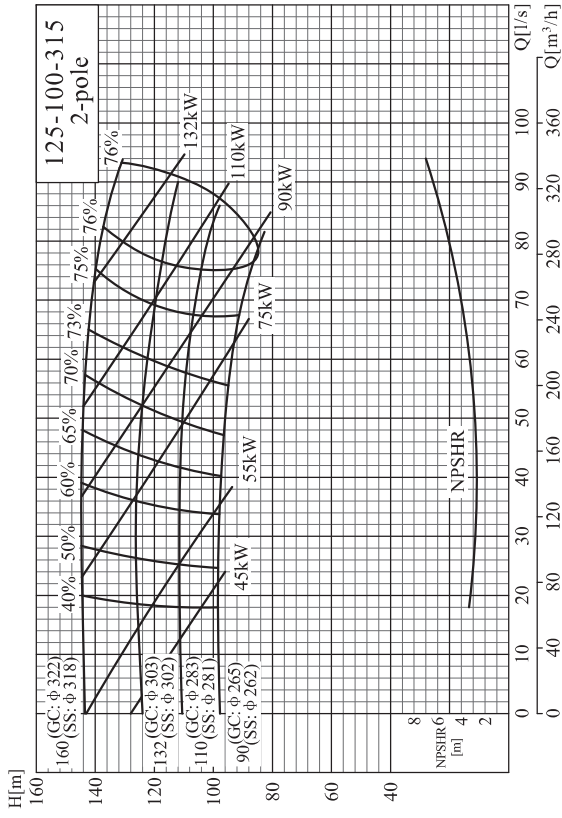
Performance curve

NISO,NIS,NISF 50-32-200/65-40-200



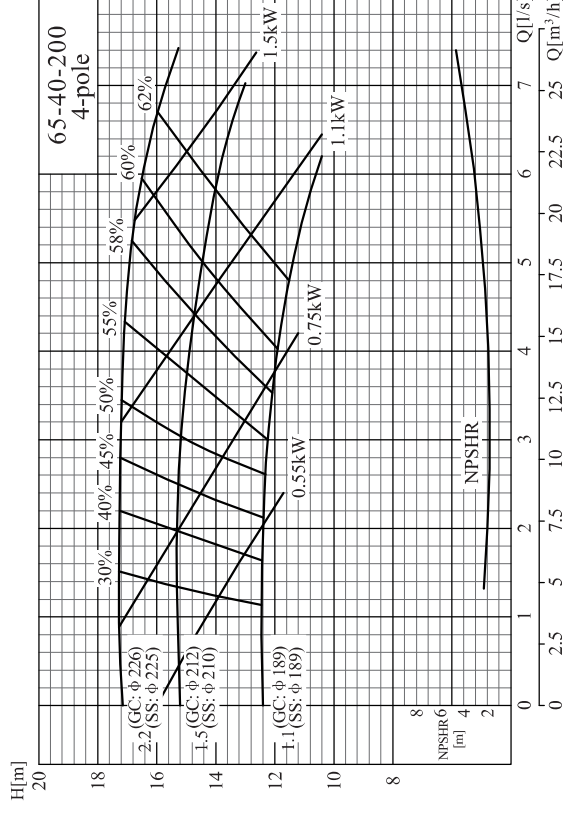
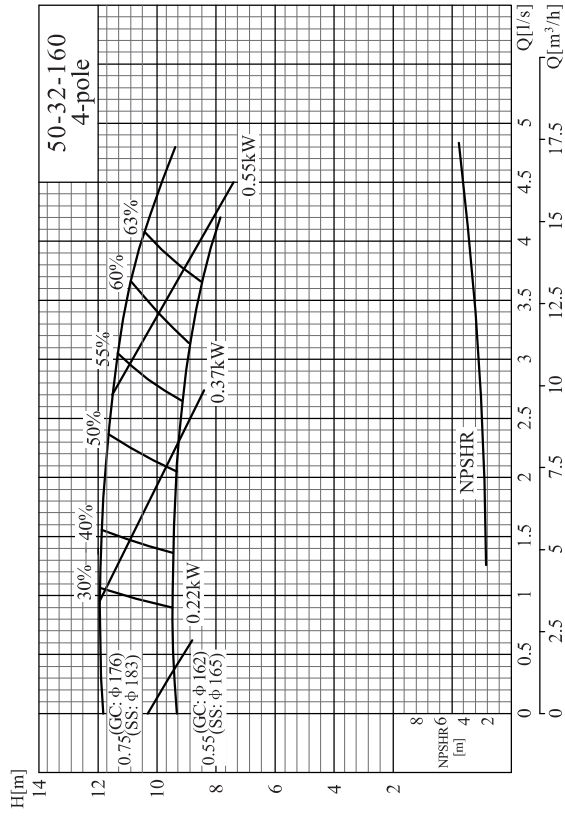
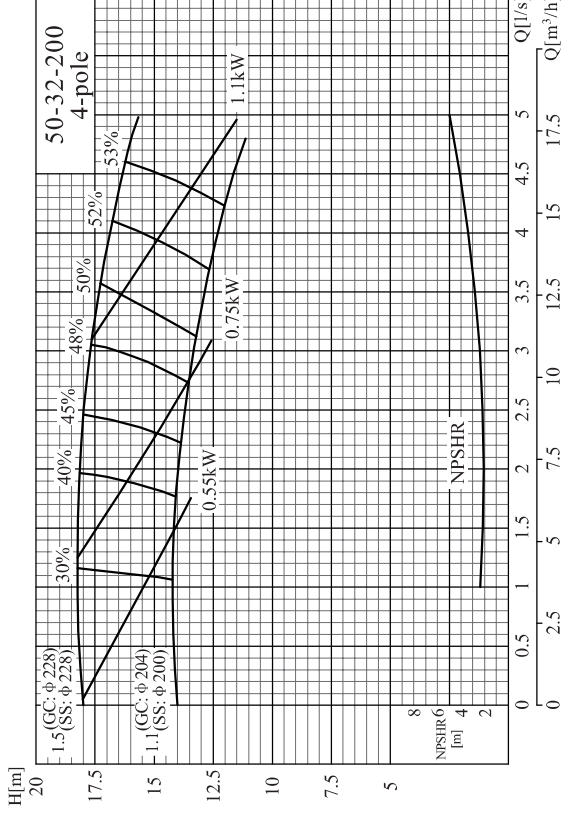
Performance curve

NISO,NIS,NISF 125-100-315/50-32-160



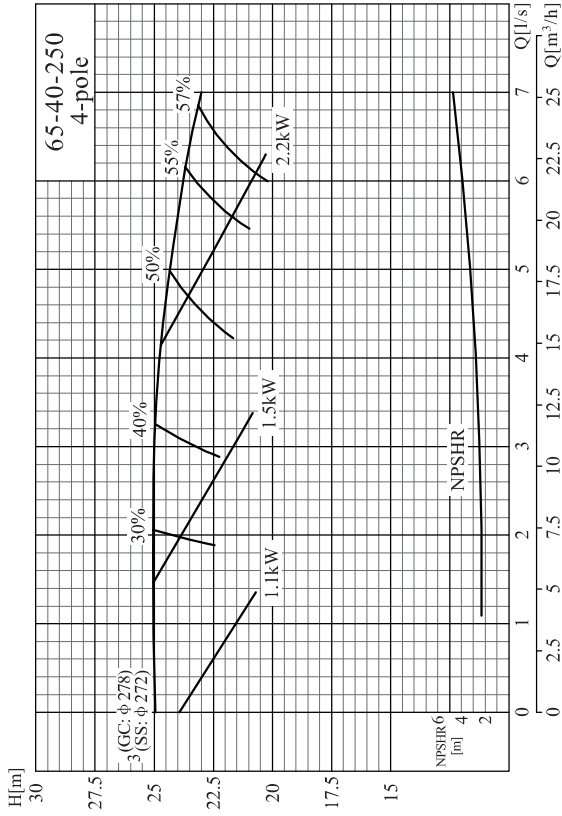
Performance curve

NISO,NIS,NISF 50-32-200/65-40-200



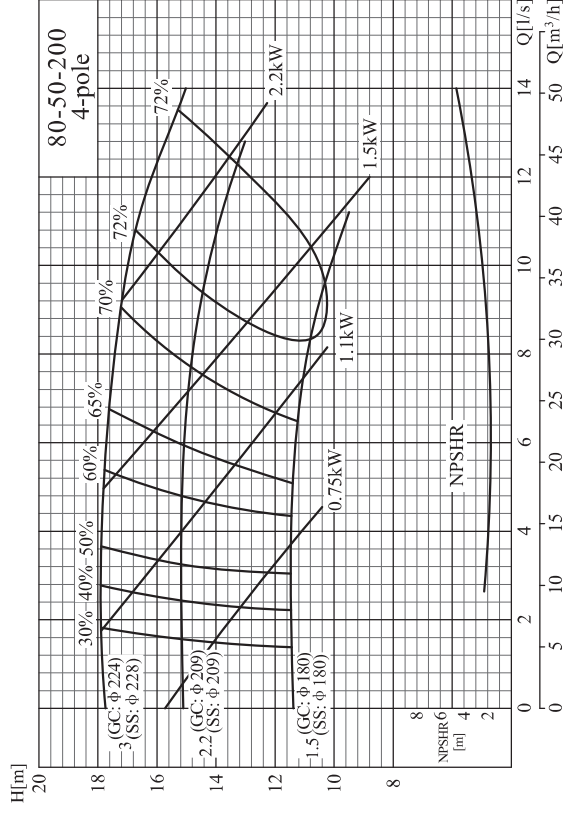
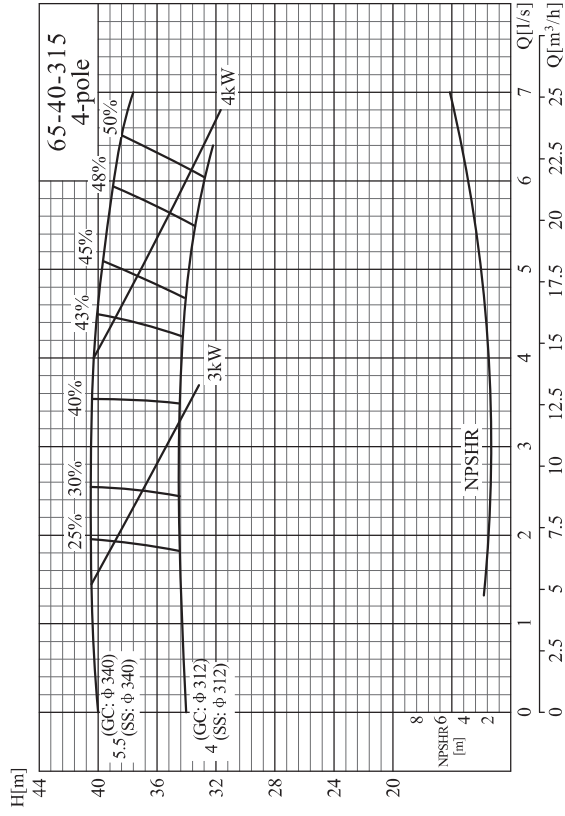
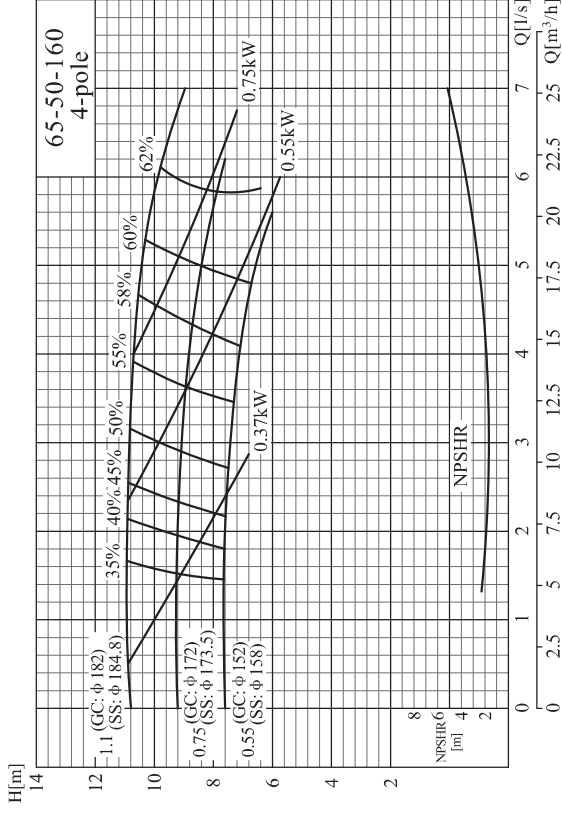
Performance curve

NISO,NIS,NISF 65-40-250/65-40-315



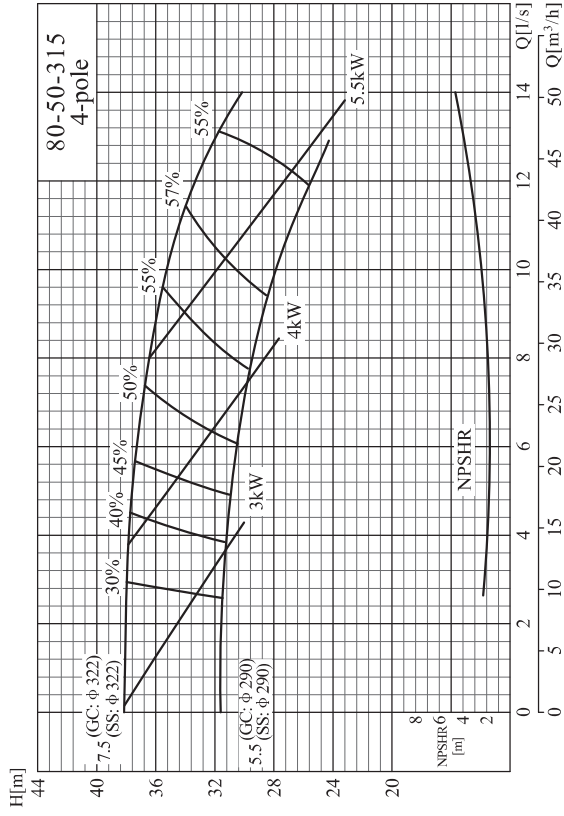
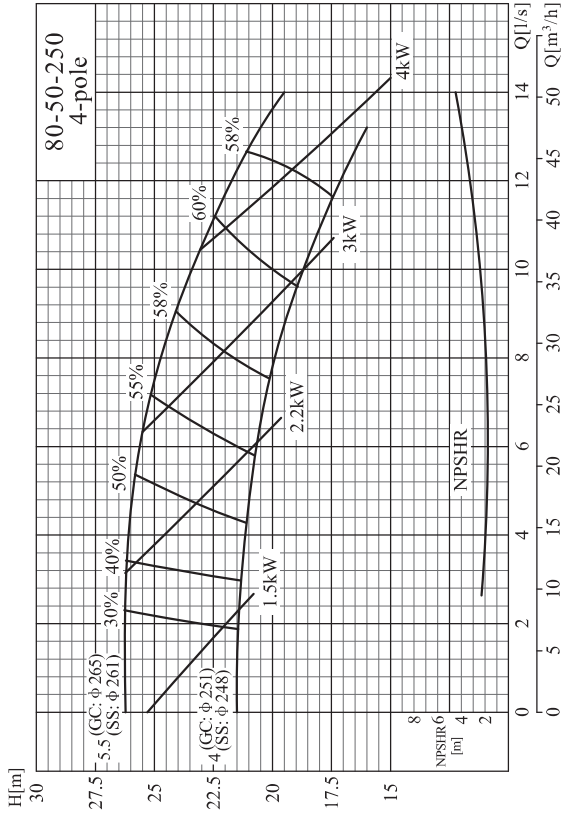
Performance curve

NISO,NIS,NISF 65-50-160/80-50-200



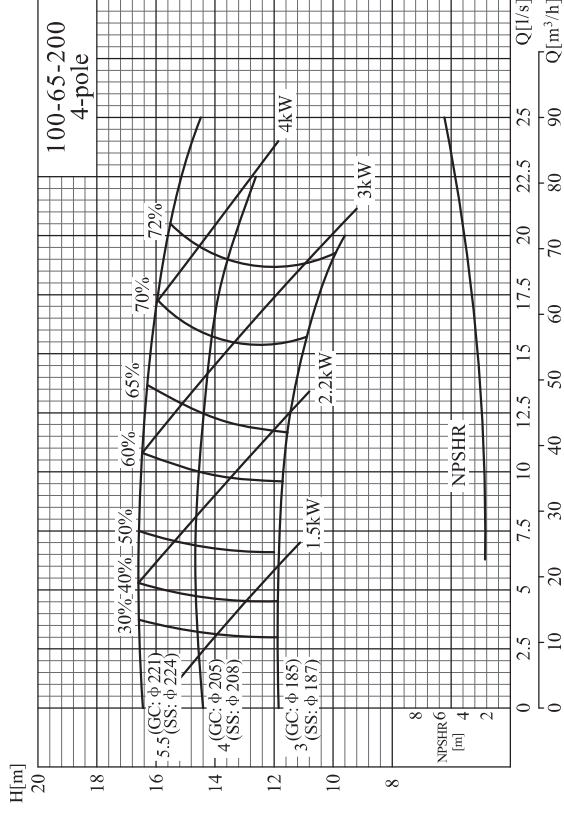
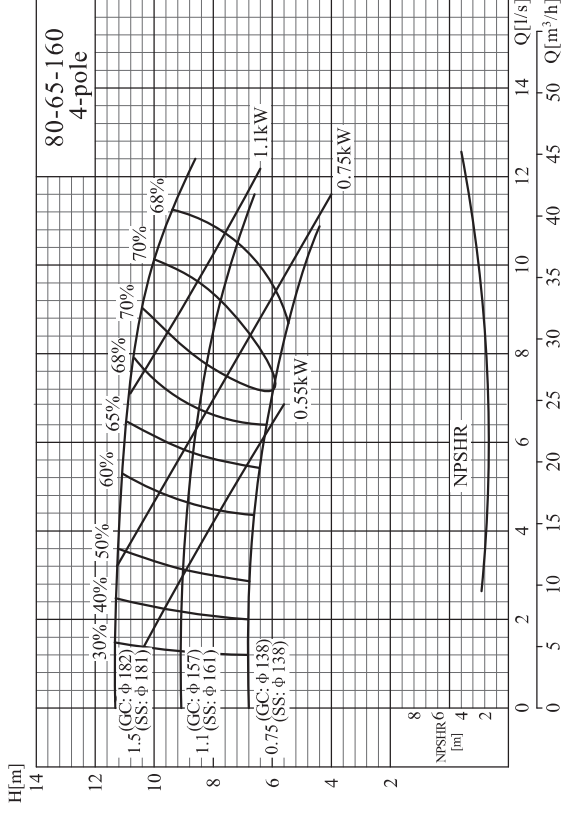
Performance curve

NISO,NIS,NISF 80-50-250/80-50-315



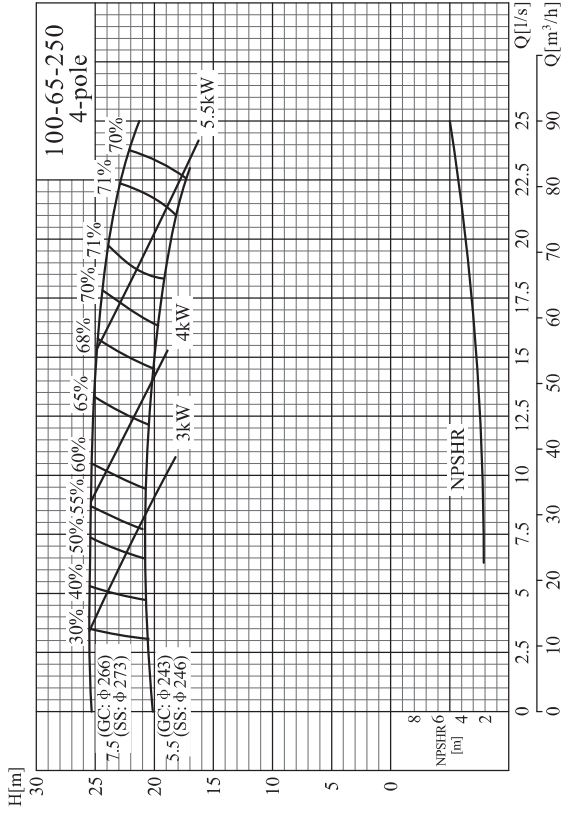
Performance curve

NISO,NIS,NISF 80-65-160/100-65-200



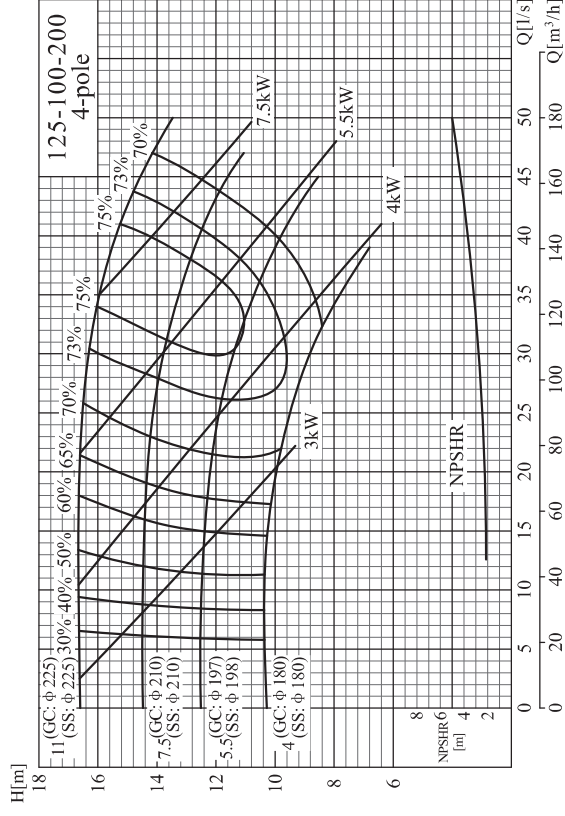
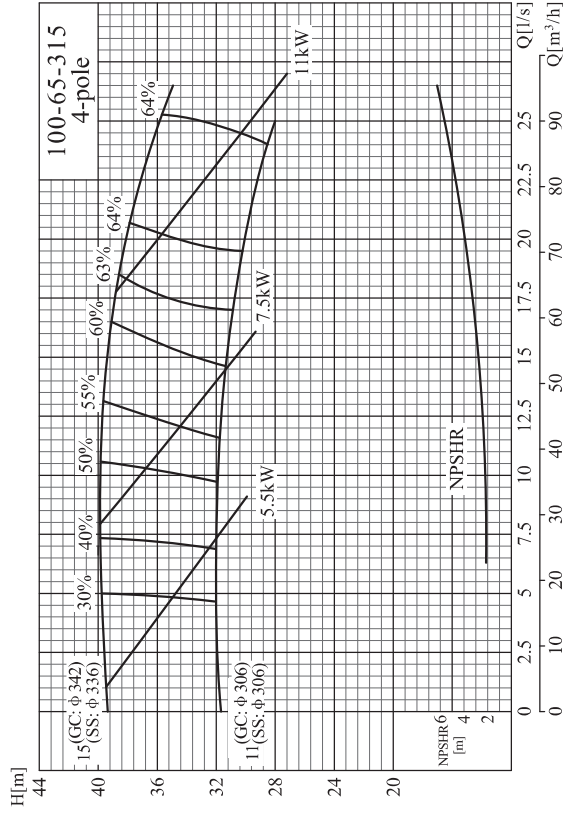
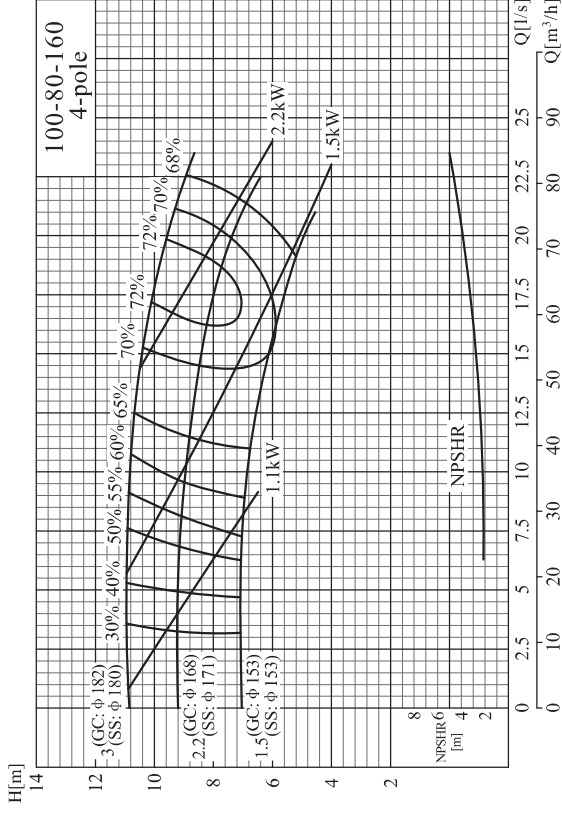
Performance curve

NISO,NIS,NISF 100-65-250/100-65-315



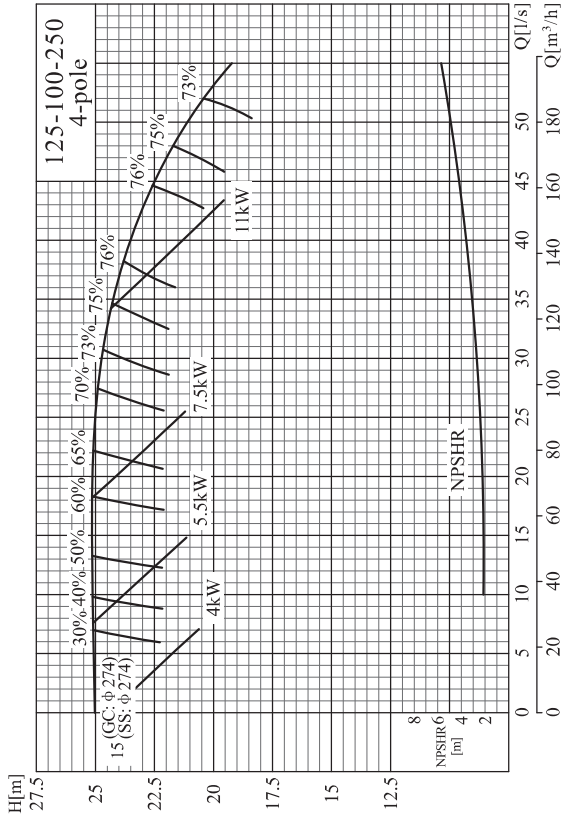
Performance curve

NISO,NIS,NISF 100-80-160/125-100-200



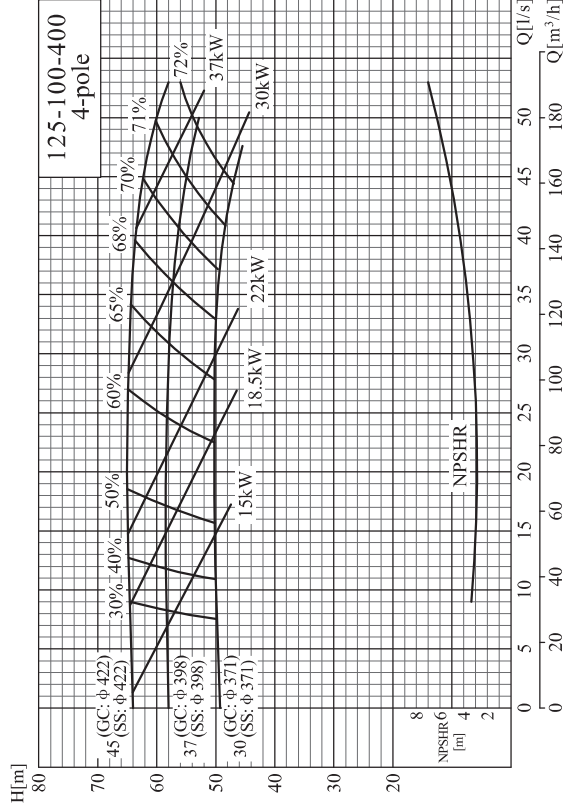
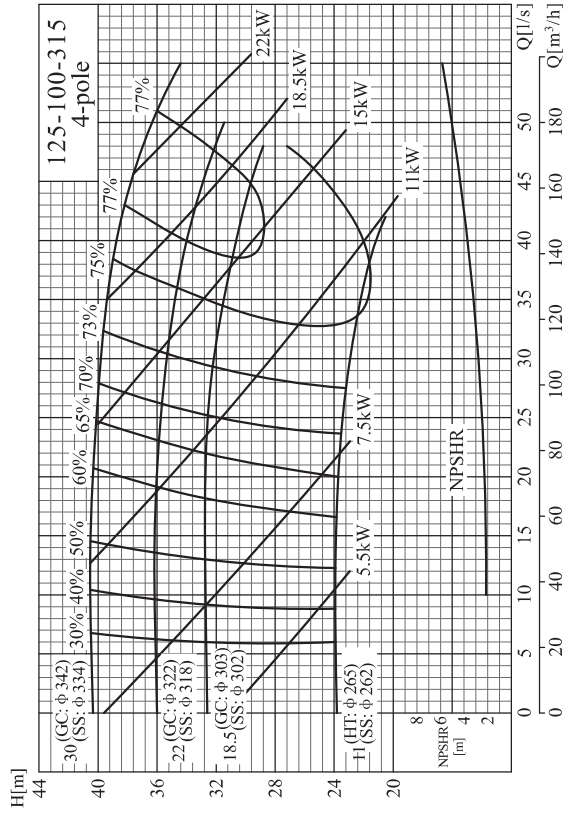
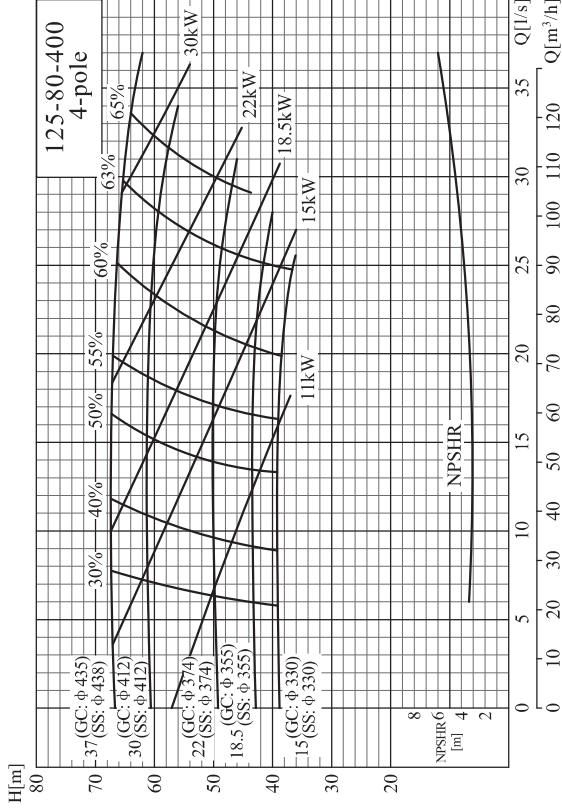
Performance curve

NISO,NIS,NISF 125-100-250/125-100-315



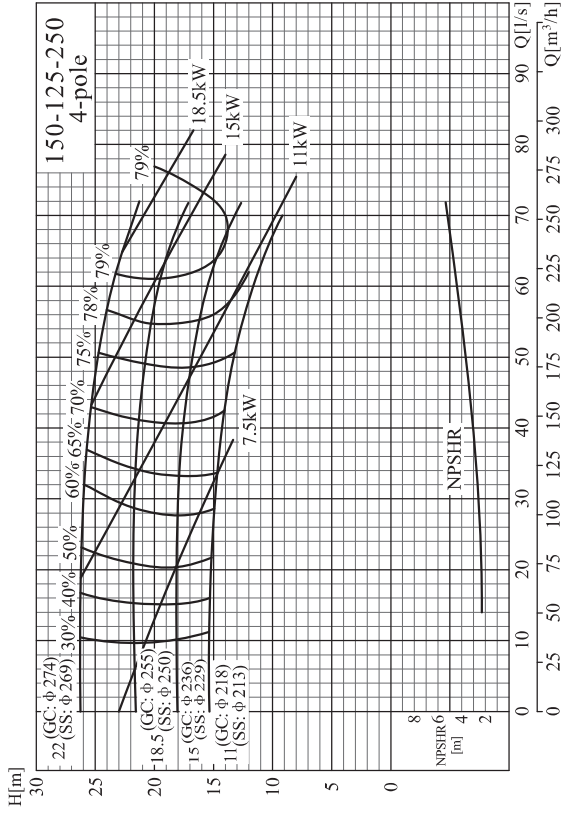
Performance curve

NISO,NIS,NISF 125-80-400/125-100-400



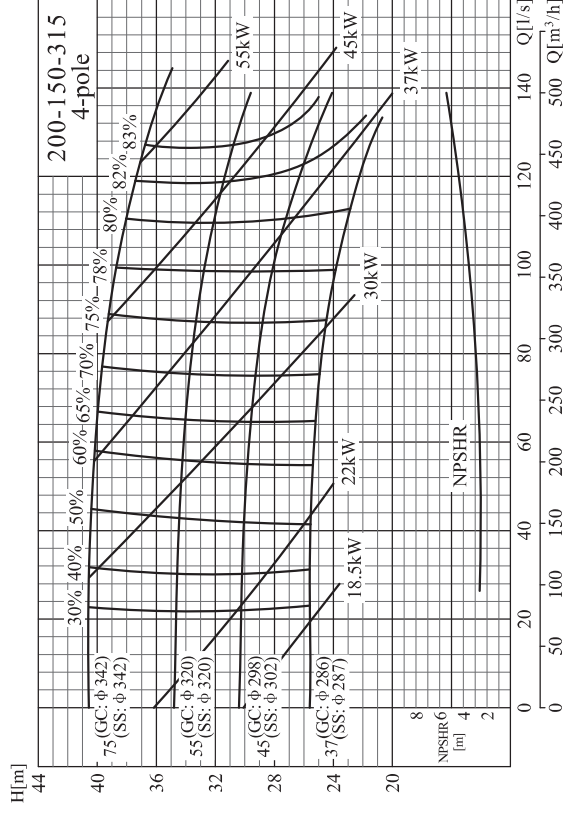
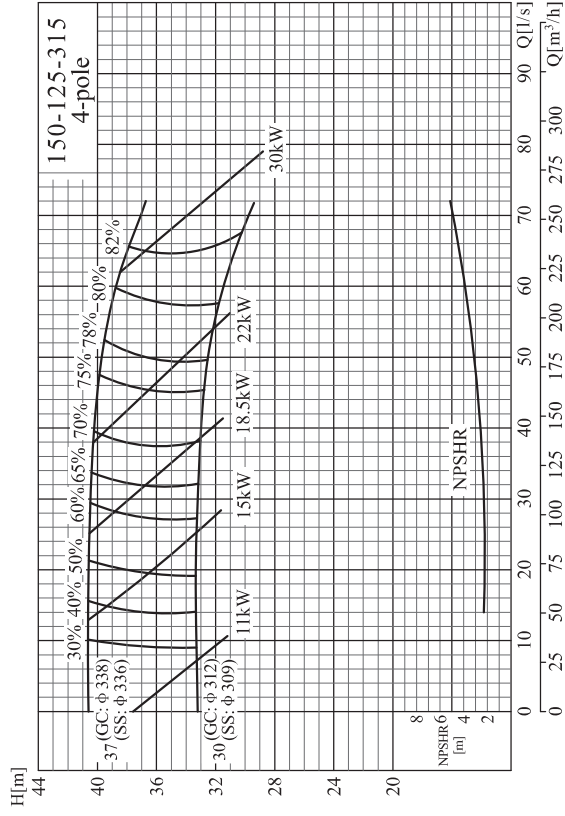
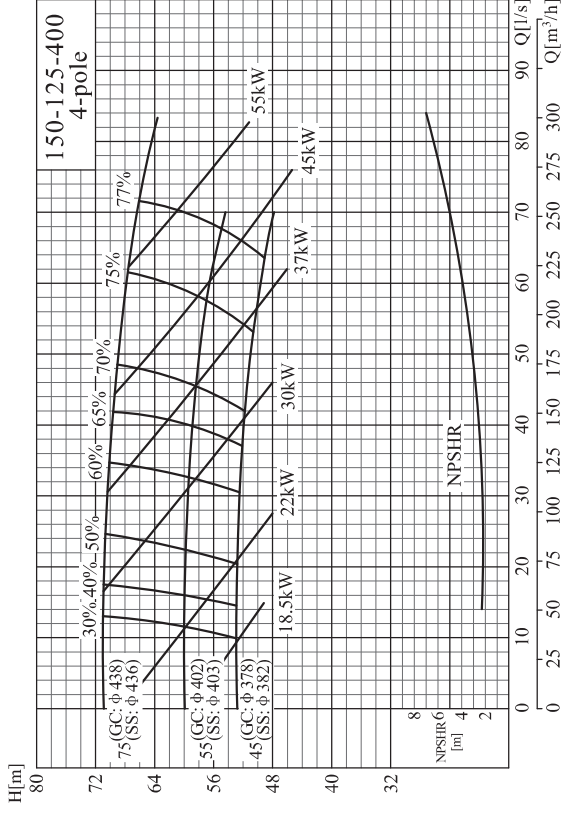
Performance curve

NISO,NIS,NISF 150-125-250/150-125-315



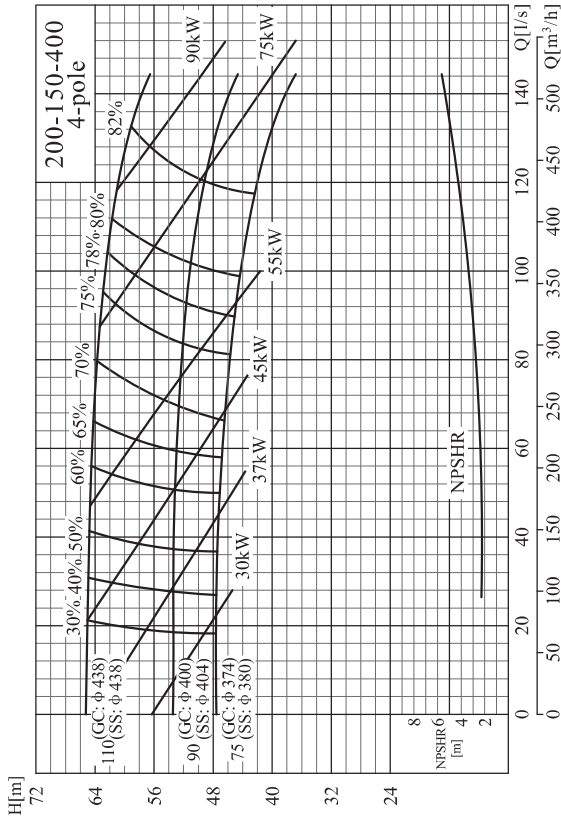
Performance curve

NISO,NIS,NISF 150-125-400/200-150-315



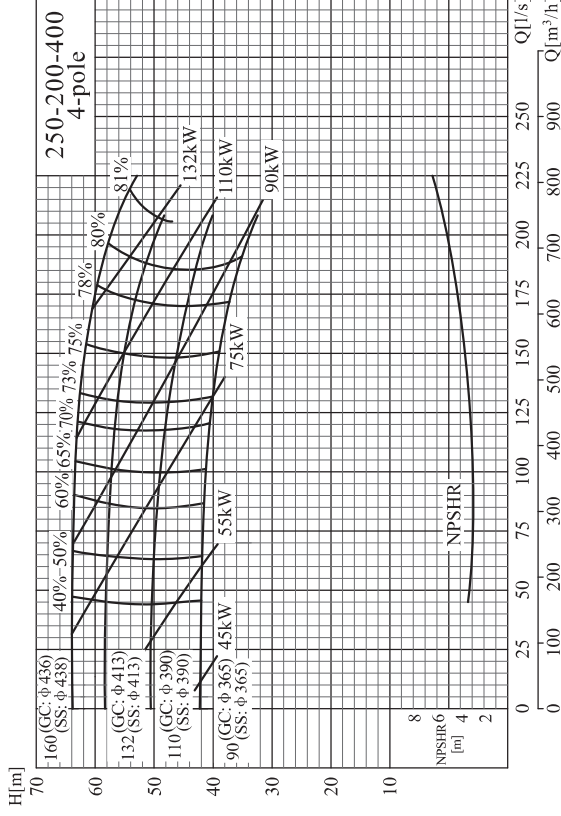
Performance curve

NISO,NIS,NISF 200-150-400/250-200-315



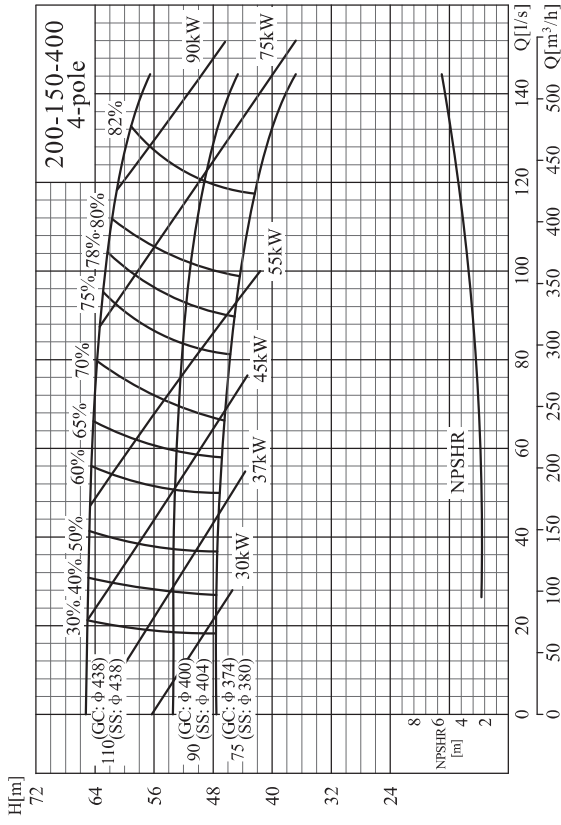
Performance curve

NISO,NIS,NISF 250-200-400/300-250-315(O)



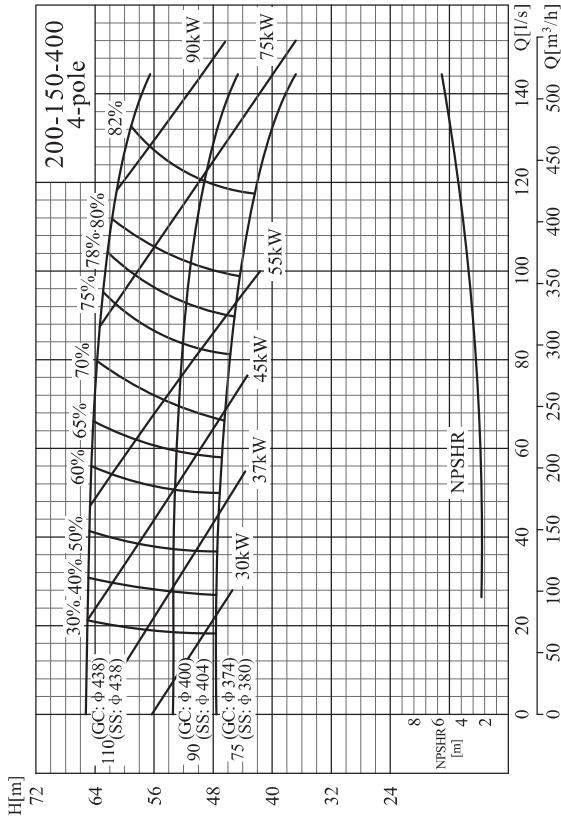
Performance curve

NISO,NIS,NISF 200-200-315



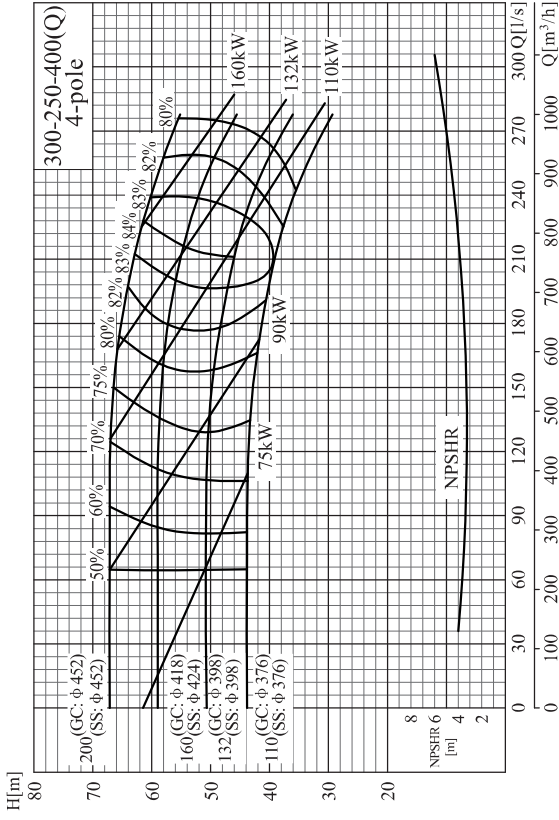
Performance curve

NISO,NIS,NISF 250-250-315(O)



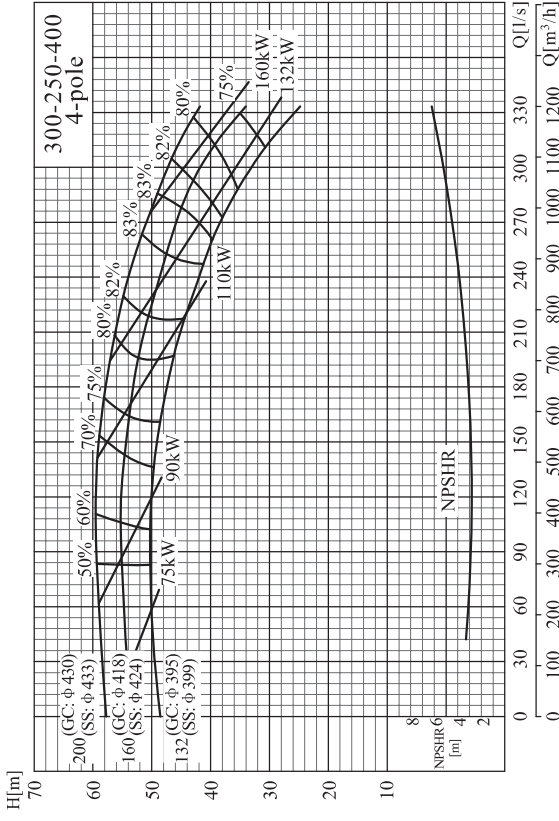
Performance curve

NISO,NIS,NISF 300-250-400(Q)/300-250-315

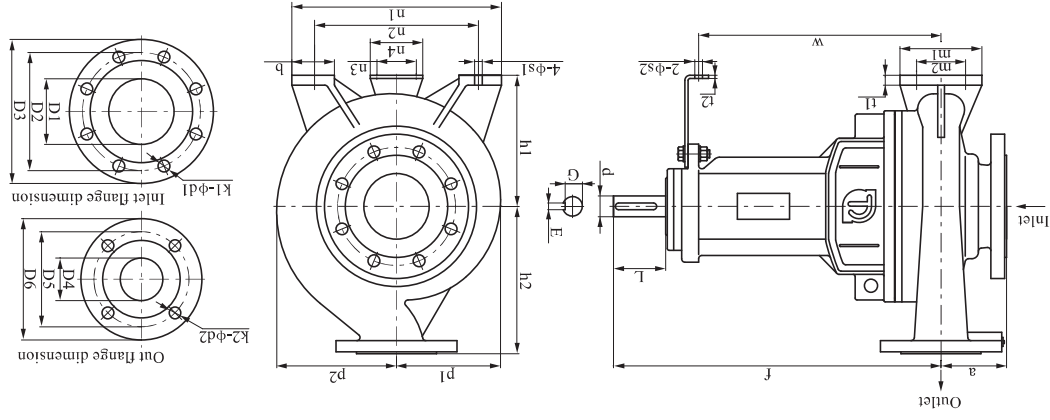


Performance curve

NISO,NIS,NISF 300-250-400



NISO dimension drawing



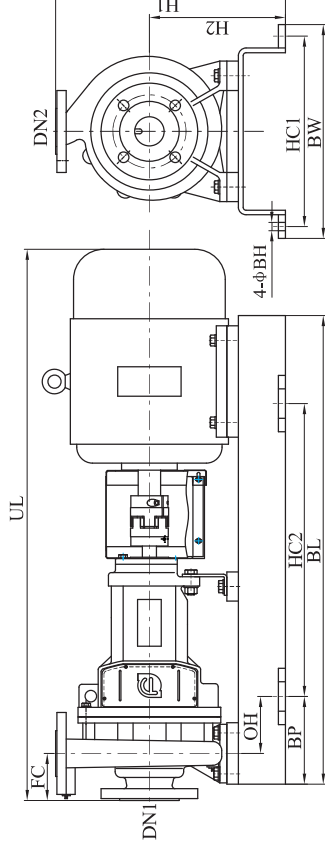
NISO dimension table

No.	Model	Dimension										Pump base plate and installation dimension									
		a	f	h1	h2	b	p1	p2	m1	m2	n1	n2	n3	n4	t1	t2	w	s1	s2		
1	50-32-160	80	385	132	160	50	118	128	100	70	240	190	110	160	12	6	285	14	14		
2	50-32-200	80	385	160	180	50	139	147	100	70	240	190	110	160	12	6	285	14	14		
3	65-50-160	80	385	132	160	50	121	136	100	70	240	190	110	160	12	6	285	14	14		
4	65-40-200	100	385	160	180	50	140	151	100	70	265	212	110	160	13	6	285	14	14		
5	65-40-250	100	500	180	225	65	166	176	125	95	320	250	110	160	14	6	370	14	14		
6	65-40-315	125	500	200	250	65	194	200	125	95	345	280	110	160	16	6	370	14	14		
7	80-65-160	100	385	160	180	50	124	143	100	70	265	212	110	160	13	6	285	14	14		
8	80-50-200	100	385	160	200	52	147	161	100	70	265	212	110	160	13	6	285	14	14		
9	80-50-250	125	500	180	225	65	167	179	125	95	320	250	110	160	15	6	370	14	14		
10	80-50-315	125	500	225	280	65	204	215	125	95	345	280	110	160	18	6	370	14	14		
11	100-65-200	100	500	180	225	65	159	183	125	95	320	250	110	160	14	6	370	14	14		
12	100-65-250	125	500	200	250	80	180	201	160	120	360	280	110	160	16	6	370	18	14		
13	100-65-315	125	530	225	280	80	210	228	160	120	400	315	110	160	18	6	370	18	14		
14	100-80-160	100	500	160	200	65	132	160	125	95	280	212	110	160	14	6	370	14	14		
15	125-80-400	125	530	280	355	80	261	279	160	120	435	355	110	160	20	6	370	18	14		
16	125-100-200	125	500	200	280	80	175	210	160	120	360	280	110	160	17	6	370	18	14		
17	125-100-250	140	530	225	280	80	193	225	160	120	400	315	110	160	18	6	370	18	14		
18	125-100-315	140	530	250	315	80	224	250	160	120	400	315	110	160	19	6	370	18	14		
19	125-100-400	140	530	280	355	100	265	287	200	150	500	400	110	160	20	6	370	18	14		
20	150-125-250	140	530	250	355	80	204	244	160	120	400	315	110	160	19	6	370	18	14		
21	150-125-315	140	530	280	355	100	236	271	200	150	500	400	110	160	20	6	370	22	14		
22	150-125-400	140	530	315	400	100	273	301	200	150	500	400	110	160	21	6	370	22	14		
23	200-150-315	160	670	315	400	82	255	304	200	150	515	450	140	180	25	10	500	22	18		
24	200-150-400	160	670	315	450	82	291	330	200	150	515	450	140	180	25	10	500	22	18		
25	250-200-315	180	670	315	450	82	278	344	200	150	515	450	140	180	25	10	500	22	18		
26	250-200-400	180	670	380	450	82	314	367	200	150	515	450	140	180	25	10	500	22	18		
27	300-250-315(Q)	225	698	375	455	120	303	381	300	250	710	600	140	180	25	10	528	28	18		
28	300-250-400(Q)	225	676	425	500	120	328	395	300	250	710	600	140	180	25	12	506	28	18		
29	300-250-315	225	698	375	455	120	303	381	300	250	710	600	140	180	25	10	528	28	18		
30	300-250-400	225	676	425	500	120	328	395	300	250	710	600	140	180	25	12	506	28	18		

NISO dimension table

No.	Model	Inlet flange dimension				Outlet flange dimension				Shaft extension dimension				Weight (kg)		
		D1	D2	D3	d1	D4	D5	D6	k2	d2	D	L	E	G		
1	50-32-160	50	125	165	4	18	32	100	140	4	18	24	50	8	20	38
2	50-32-200	50	125	165	4	18	32	100	140	4	18	24	50	8	20	43
3	65-50-160	65	145	185	4	18	50	125	165	4	18	24	50	8	20	41
4	65-40-200	65	145	185	4	18	40	110	150	4	18	24	50	8	20	45
5	65-40-250	65	145	185	4	18	40	110	150	4	18	32	80	10	27	68
6	65-40-315	65	145	185	4	18	40	110	150	4	18	32	80	10	27	84
7	80-65-160	80	160	200	8	18	65	145	185	4	18	24	50	8	20	44
8	80-50-200	80	160	200	8	18	50	125	165	4	18	24	50	8	20	48
9	80-50-250	80	160	200	8	18	50	125	165	4	18	32	80	10	27	71
10	80-50-315	80	160	200	8	18	50	125	165	4	18	32	80	10	27	90
11	100-65-200	100	180	220	8	18	65	145	185	4	18	32	80	10	27	67
12	100-65-250	100	180	220	8	18	65	145	185	4	18	32	80	10	27	82
13	100-65-315	100	180	220	8	18	65	145	185	4	18	42	110	12	37	120
14	100-80-160	100	180	220	8	18	80	160	200	8	18	32	80	10	27	70
15	125-80-400	125	210	250	8	18	80	160	200	8	18	42	110	12	37	158
16	125-100-200	125	210	250	8	18	100	180	220	8	18	32	80	10	27	88
17	125-100-250	125	210	250	8	18	100	180	220	8	18	42	110	12	37	122
18	125-100-315	125	210	250	8	18	100	180	220	8	18	42	110	12	37	137
19	125-100-400	125	210	250	8	18	100	180	220	8	18	42	110	12	37	163
20	150-125-250	150	240	285	8	22	125	210	250	8	18	42	106	12	37	129
21	150-125-315	150	240	285	8	22	125	210	250	8	18	42	106	12	37	157
22	150-125-400	150	240	285	8	22	125	210	250	8	18	42	106	12	37	181
23	200-150-315	200	295	340	12	22	150	240	285	8	22	60	110	18	53	222
24	200-150-400	200	295	340	12	22	150	240	285	8	22	60	110	18	53	293
25	250-200-315	250	355	405	12	26	200	295	340	12	22	60	110	18	53	258
26	250-200-400	250	355	405	12	26	200	295	340	12	22	60	110	18	53	328
27	300-250-315(Q)	300	410	460	12	27	250	355	405	12	27	60	108	18	53	528
28	300-250-400(Q)	300	410	460	12	27	250	355	405	12	27	60	108	18	53	632
29	300-250-315	300	410	460	12	27	250	355	405	12	27	60	108	18	53	528
30	300-250-400	300	410	460	12	27	250	355	405	12	27	60	108	18	53	632

NISO pump set dimension drawing



NISO pump set dimension table

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
		392	232	296	500	336	750	125	14	72.5	857	80	50	32	
50-32-160	3	392	232	296	500	336	750	125	14	72.5	857	80	50	32	95
	4	392	232	296	500	336	750	125	14	72.5	875	80	50	32	109
	5.5	392	232	325	500	365	800	150	14	97.5	941	80	50	32	133
50-32-200	7.5	440	243	340	600	380	860	130	14	77.5	941	80	50	32	146
	11	440	260	380	600	420	950	175	18	121	1077	80	50	32	190
	7.5	440	260	325	500	365	800	150	14	97.5	961	100	65	40	145
65-40-200	11	440	260	380	600	420	950	175	18	121	1097	100	65	40	192
	15	440	260	380	600	420	950	175	18	121	1097	100	65	40	208
	18.5	505	280	380	800	420	1080	140	18	73.5	1282	100	65	40	255
65-40-250	22	505	280	420	800	480	1100	150	18	81.5	1319	100	65	40	291
	30	525	300	460	800	500	1180	190	18	121.5	1379	100	65	40	363
	22	550	300	420	800	460	1100	150	18	81.5	1344	125	65	40	307
65-40-315	30	570	320	455	800	495	1200	200	18	131.5	1412	125	65	40	392
	37	570	320	455	800	495	1200	200	18	131.5	1412	125	65	40	403
	45	590	340	510	800	560	1250	225	22	155	1466	125	65	40	453
65-50-160	4	392	232	296	500	336	750	125	14	72.5	875	80	65	50	112
	5.5	392	232	325	500	365	800	150	14	97.5	941	80	65	50	135
	7.5	392	232	325	500	365	800	150	14	97.5	941	80	65	50	141

NISO pump set dimension table

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	2-pole	
															Total weight (kg)	
80-50-200	11	460	260	380	600	420	950	175	18	121	1097	100	80	50	194	
	15	460	260	380	600	420	950	175	18	121	1097	100	80	50	210	
	18.5	460	260	380	600	420	950	175	18	121	1137	100	80	50	222	
80-50-250	22	480	280	420	700	460	1000	150	18	96	1194	100	80	50	268	
	30	525	300	460	800	500	1180	190	18	121.5	1404	125	80	50	367	
	37	525	300	460	800	495	1180	190	18	121.5	1404	125	80	50	377	
80-50-315	37	625	345	455	800	495	1200	200	18	131.5	1402	125	80	50	410	
	45	625	345	510	800	560	1250	225	22	155	1466	125	80	50	451	
	55	650	370	575	900	625	1300	200	22	130	1547	125	80	50	573	
80-65-160	75	680	400	620	800	670	1400	300	22	230	1620	125	80	50	703	
	5.5	440	260	325	500	365	800	150	14	97.5	961	100	80	65	139	
	7.5	440	260	325	500	365	800	150	14	97.5	961	100	80	65	144	
100-65-200	11	440	260	380	600	420	950	175	18	121	1097	100	80	65	191	
	15	440	260	380	600	420	950	175	18	121	1097	100	80	65	206	
	18.5	505	280	380	800	420	1080	140	18	73.5	1282	100	100	65	254	
100-65-250	22	505	280	420	800	460	1100	150	18	81.5	1319	100	100	65	290	
	30	525	300	460	800	500	1180	190	18	121.5	1379	100	100	65	362	
	37	525	300	460	800	500	1180	190	18	121.5	1379	100	100	65	372	
100-65-315	45	590	340	510	800	550	1250	225	22	141.5	1466	125	100	65	444	
	55	620	370	575	900	625	1350	225	22	141.5	1547	125	100	65	576	
	75	650	400	620	800	670	1400	300	22	214	1620	125	100	65	695	
100-80-160	90	680	400	620	900	670	1450	275	22	189	1700	125	100	65	771	
	110	720	440	710	1000	760	1500	250	22	164	1909	125	100	65	1278	
	11	460	260	380	800	420	1080	140	18	73.5	1212	100	100	80	221	
125-100-200	15	460	260	380	800	420	1080	140	18	73.5	1212	100	100	80	237	
	18.5	460	260	380	800	420	1080	140	18	73.5	1282	100	100	80	253	
	22	480	280	420	800	495	1200	200	18	119	1412	125	100	80	293	
125-100-250	30	600	320	455	800	495	1200	200	18	119	1412	125	100	80	390	
	37	600	320	455	800	495	1200	200	18	119	1412	125	100	400		
	45	620	340	510	800	560	1250	225	22	141.5	1466	125	100	449		
125-100-315	55	650	370	575	900	625	1350	225	22	141.5	1547	125	100	580		
	75	680	400	620	800	670	1400	300	22	214	1620	125	100	699		

NISO pump set dimension table

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	2-pole	
															Total weight (kg)	
125-100-250	75	680	400	620	800	670	1400	300	22	214	1665	140	125	100	734	
	90	680	400	620	900	670	1450	275	22	189	1715	140	125	100	774	
	110	720	440	710	1000	760	1500	250	22	164	1924	140	125	100	1278	
125-100-315	90	715	400	620	900	670	1450	275	22	189	1715	140	125	100	784	
	110	755	440	710	1000	760	1500	250	22	164	1909	140	125	100	1238	
	132	755	440	710	1000	760	1560	280	22	194	2034	140	125	100	1344	
160	755	440	710	1000	760	1560	280	22	194	2034	140	125	100	1441		

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	4-pole	
															Total weight (kg)	
50-32-160	0.55	392	232	296	500	336	700	100	14	47.5	755	80	50	32	78	
	0.75	392	232	296	500	336	700	100	14	47.5	755	80	50	32	79	
	1.1	440	260	296	500	336	750	125	14	72.5	794	80	50	32	89	
50-32-200	1.5	440	260	296	500	336	750	125	14	72.5	819	80	50	32	91	
	1.1	440	260	325	500	365	750	125	14	72.5	824	100	65	40	92	
	1.5	440	260	325	500	365	750	125	14	72.5	849	100	65	40	94	
65-40-200	2.2	440	260	325	500	365	750	125	14	72.5	887	100	65	40	107	
	3	505	280	376	600	416	920	160	14	95	992	100	65	40	141	
	4	550	300	405	600	445	900	150	14	85	1045	125	65	40	171	
65-40-315	5.5	550	300	405	600	445	950	175	14	110	1101	125	65	40	192	
	0.55	392	232	296	500	336	700	100	14	47.5	755	80	50	32	81	
	0.75	392	232	296	500	336	700	100	14	47.5	755	80	50	32	81	
65-50-160	1.1	392	232	296	500	336	700	100	14	47.5	794	80	65	50	85	
	1.5	460	260	325	500	365	750	125	14	72.5	849	100	80	50	96	
	2.2	460	260	325	500	365	750	125	14	72.5	877	100	80	50	109	
80-50-200	3	460	260	325	500	365	750	125	14	72.5	877	100	80	50	113	
	4	505	280	376	600	416	920	160	14	95	1042	125	80	50	155	
	5.5	505	280	376	600	416	920	160	14	95	1107	125	80	50	173	
80-50-315	5.5	605	325	405	600	445	950	175	18	108.5	1101	125	80	50	199	
	7.5	605	325	405	600	445	950	175	18	108.5	1141	125	80	50	211	
	0.75	440	260	325	500	365	700	100	14	47.5	775	100	80	65	84	
80-65-160	1.1	440	260	325	500	365	750	125	14	72.5	824	100	80	65	91	
	1.5	440	260	325	500	365	750	125	14	72.5	849	100	80	65	93	

NISO pump set dimension table

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DNI	DN2	4-pole	
															Total weight (kg)	
100-65-200	3	505	280	376	600	416	920	160	14	95	992	100	100	65	140	
	4	505	280	376	600	416	920	160	14	95	1017	100	100	65	150	
	5.5	505	280	376	600	416	920	160	14	95	1082	100	100	65	169	
100-65-250	5.5	550	300	420	600	460	980	190	14	110	1111	125	100	65	190	
	7.5	550	300	420	600	460	980	190	18	110	1151	125	100	65	203	
100-65-315	11	605	325	460	800	500	1120	160	18	80	1267	125	100	65	298	
	15	605	325	460	800	500	1120	160	18	80	1307	125	100	65	312	
100-80-160	1.5	460	260	340	600	380	860	130	14	65	954	100	100	80	124	
	2.2	460	260	340	600	380	860	130	14	65	982	100	100	80	135	
	3	460	260	340	600	380	860	130	14	65	982	100	100	80	139	
125-80-400	15	735	380	500	800	540	1150	175	18	94	1317	125	125	80	362	
	18.5	735	380	500	800	540	1150	175	18	94	1374	125	125	80	381	
	22	735	380	510	800	560	1220	210	22	126.5	1404	125	125	80	418	
125-100-200	30	735	380	510	800	560	1220	210	22	126.5	1442	125	125	80	474	
	37	735	400	510	800	560	1250	225	22	141.5	1481	125	125	80	548	
	4	580	300	420	600	460	900	150	14	70	1045	125	125	100	171	
125-100-250	5.5	580	300	420	600	460	980	190	18	110	1111	125	125	100	195	
	7.5	580	300	420	600	460	980	190	18	110	1151	125	125	100	207	
	11	580	300	420	800	460	1100	150	18	70	1237	125	125	100	263	
125-100-315	15	605	325	460	800	500	1120	160	18	80	1322	140	125	100	312	
	11	665	350	460	800	500	1120	160	18	79	1282	140	125	100	314	
	18.5	665	350	460	800	500	1180	190	18	109	1379	140	125	100	354	
125-100-400	22	665	350	460	800	500	1180	190	18	109	1409	140	125	100	380	
	30	665	350	510	800	560	1220	210	22	126.5	1457	140	125	100	452	
	30	735	380	570	800	620	1220	210	22	110	1447	140	125	100	478	
150-125-250	37	735	400	575	900	625	1300	200	22	100	1496	140	125	100	552	
	45	735	400	575	900	625	1300	200	22	100	1531	140	125	100	581	
300-250-315	11	705	350	460	800	500	1120	160	18	79	1282	140	150	125	309	
	15	705	350	460	800	500	1120	160	18	79	1322	140	150	125	324	
	18.5	705	350	460	800	500	1180	190	18	109	1379	140	150	125	349	
22	705	350	460	800	500	1180	190	18	109	1409	140	150	125	375		

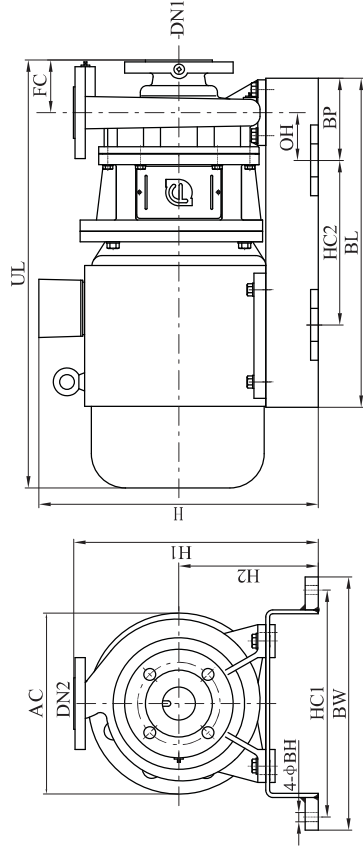
NISO pump set dimension table

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DNI	DN2	4-pole	
															Total weight (kg)	
150-125-315	30	735	380	570	800	620	1220	210	22	110	1447	140	150	125	483	
	37	735	400	575	900	625	1300	200	22	100	1496	140	150	125	559	
150-125-400	45	835	435	575	900	625	1300	200	22	100	1531	140	150	125	607	
	55	835	435	575	900	625	1350	225	22	125	1592	140	150	125	709	
200-150-315	75	835	435	620	800	670	1400	300	22	200	1665	140	150	125	844	
	37	835	435	620	800	670	1400	300	22	200	1656	160	200	150	628	
200-150-400	45	835	435	595	900	645	1500	300	22	200	1691	160	200	150	659	
	55	835	435	595	900	645	1500	300	22	200	1752	160	200	150	762	
200-200-315	75	835	435	625	1000	675	1600	300	22	200	1835	160	200	150	903	
	75	885	435	625	1000	675	1600	300	22	200	1835	160	200	150	973	
250-200-315	90	885	435	625	1000	675	1600	300	22	200	1885	160	200	150	1024	
	110	885	435	710	1200	760	1700	250	22	150	2124	160	200	150	1467	
250-200-400	37	885	435	620	800	670	1400	300	22	200	1676	180	250	200	663	
	45	885	435	595	900	645	1500	300	22	200	1711	180	250	200	694	
300-250-315(Q)	55	885	435	595	900	645	1500	300	22	200	1772	180	250	200	798	
	75	885	435	625	1000	675	1600	300	22	200	1855	180	250	200	943	
300-250-400(Q)	90	950	500	625	1000	675	1600	300	22	200	1905	180	250	200	1075	
	110	950	500	710	1200	760	1700	250	22	150	2144	180	250	200	1524	
300-250-315(Q)	132	950	500	710	1200	760	1750	275	22	175	2244	180	250	200	1606	
	160	950	500	710	1200	760	1750	275	22	175	2244	180	250	200	1710	
300-250-400(Q)	75	950	495	800	1150	850	1700	275	22	125	1933	225	300	250	1525	
	90	950	495	800	1150	850	1700	275	22	125	1983	225	300	250	1603	
300-250-400(Q)	110	950	495	800	1250	850	1800	275	22	125	2228	225	300	250	1931	
	110	1045	545	800	1250	850	1800	275	22	125	2206	225	300	250	1980	
300-250-400(Q)	132	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2085	
	160	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2145	
300-250-400(Q)	200	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2260	
	75	950	495	800	1150	850	1700	275	22	125	1933	225	300	250	1525	
300-250-315	90	950	495	800	1150	850	1700	275	22	125	1983	225	300	250	1603	
	110	950	495	800	1250	850	1800	275	22	125	2228	225	300	250	1931	

NISO pump set dimension table

Model	Power (kW)	4-pole										Total weight (kg)			
		H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL		FC	DN1	DN2
300-250-400	132	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2085
	160	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2145
	200	1045	545	800	1330	850	1880	275	22	125	2236	225	300	250	2260

NIS, NISF pump dimension drawing



NIS, NISF pump dimension table

Model	Power (kW)	2-pole										Total weight (kg)				
		H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH		UL	FC	DN1	DN2
50-32-160	3	382	372	212	306	250	336	450	100	14	47.5	563	80	50	32	75
	4	400	372	212	306	250	336	450	100	14	47.5	578	80	50	32	81
	5.5	425	372	212	335	300	365	500	100	14	47.5	650	80	50	32	105
50-32-200	7.5	453	420	240	350	300	380	500	100	14	46	650	80	50	32	120
	11	500	420	240	390	350	420	600	125	18	71	787	80	50	32	175
	7.5	453	420	240	335	300	365	500	100	14	47.5	670	100	65	40	120
65-40-200	11	500	420	240	390	350	420	600	125	18	71	807	100	65	40	177
	15	500	420	240	390	350	420	600	125	18	71	807	100	65	40	187
	18.5	520	485	260	390	400	420	660	130	18	63.5	865	100	65	40	222
65-40-250	22	535	485	260	430	400	460	700	150	18	81.5	895	100	65	40	257
	30	585	505	280	470	450	500	750	150	18	81.5	967	100	65	40	318
	22	555	530	280	430	400	460	700	150	18	81.5	920	125	65	40	270
65-40-315	30	585	530	280	465	500	495	800	150	18	81.5	992	125	65	40	340
	37	585	530	280	465	500	495	800	150	18	81.5	992	125	65	40	359
	45	640	555	305	520	500	560	820	160	22	90	1042	125	65	40	428
65-50-160	4	400	372	212	306	250	336	450	100	14	47.5	578	80	65	50	83
	5.5	425	372	212	335	300	365	500	100	14	47.5	650	80	65	50	107
	7.5	425	372	212	335	300	365	500	100	14	47.5	650	80	65	50	110

NIS, NISF pump dimension table

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	2-pole	
																Total weight (kg)	
125-100-250	7.5	780	660	380	630	600	670	1000	200	22	114	1265	140	125	100	701	
	9	780	660	380	630	600	670	1100	250	22	164	1315	140	125	100	738	
	11.0	945	695	415	720	600	760	1100	250	22	164	1523	140	125	100	1169	
125-100-315	9	780	695	380	630	600	670	1100	250	22	164	1310	140	125	100	744	
	11.0	945	730	415	720	600	760	1100	250	22	164	1545	140	125	100	1170	
	13.2	945	730	415	720	700	760	1220	260	22	174	1655	140	125	100	1230	
	16.0	945	730	415	720	700	760	1220	260	22	174	1655	140	125	100	1350	

NIS, NISF pump dimension table

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	2-pole	
																Total weight (kg)	
80-50-200	11	500	440	240	390	350	420	600	125	18	71	807	100	80	50	181	
	15	500	440	240	390	350	420	600	125	18	71	807	100	80	50	191	
	18.5	500	440	240	390	400	420	660	130	18	76	862	100	80	50	211	
80-50-250	22	535	460	260	430	400	460	700	150	18	96	892	100	80	50	254	
	30	585	505	280	470	450	500	750	150	18	81.5	992	125	80	50	320	
	37	585	505	280	470	450	500	750	150	18	81.5	992	125	80	50	339	
80-50-315	37	610	585	305	465	500	495	800	150	18	81.5	992	125	80	50	370	
	45	640	585	305	520	500	560	820	160	22	90	1042	125	80	50	434	
	55	715	630	350	585	550	625	950	200	22	130	1156	125	80	50	534	
80-65-160	7.5	780	660	380	630	600	670	1000	200	22	130	1231	125	80	50	675	
	5.5	453	420	240	335	300	365	500	100	14	47.5	670	100	80	65	115	
	7.5	453	420	240	335	300	365	500	100	14	47.5	670	100	80	65	118	
100-65-200	11	500	420	240	390	350	420	600	125	18	71	807	100	80	65	175	
	15	500	420	240	390	350	420	600	125	18	71	807	100	80	65	185	
	18.5	520	485	260	390	400	420	660	130	18	63.5	865	100	100	65	222	
100-65-250	22	535	485	260	430	400	460	700	150	18	81.5	895	100	100	65	257	
	30	585	505	280	470	450	500	750	150	18	81.5	967	100	100	65	318	
	37	585	505	280	470	450	500	750	150	18	81.5	967	100	100	65	337	
100-65-315	45	640	555	305	520	500	560	820	160	22	76.5	1042	125	100	65	426	
	55	715	600	350	585	550	625	950	200	22	116.5	1156	125	100	65	529	
	75	780	630	380	630	600	670	1000	200	22	114	1231	125	100	65	673	
100-65-400	90	780	660	380	630	600	670	1100	250	22	164	1295	125	100	65	730	
	110	945	695	415	720	600	760	1100	250	22	164	1530	125	100	65	1161	
	11	515	440	240	390	400	420	660	130	18	61.5	810	100	100	80	177	
100-80-160	15	515	440	240	390	400	420	660	130	18	61.5	810	100	100	80	187	
	18.5	515	440	240	390	400	420	660	130	18	61.5	865	100	100	80	207	
	22	535	460	260	430	400	460	700	150	18	83.5	895	100	100	80	248	
125-100-200	30	585	560	280	465	500	495	800	150	18	69	992	125	125	100	349	
	37	585	560	280	465	500	495	800	150	18	69	992	125	125	100	368	
	45	640	585	305	520	500	560	820	160	22	76.5	1042	125	125	100	431	
80-65-160	55	715	630	350	585	550	625	950	200	22	116.5	1156	125	125	100	534	
	75	780	660	380	630	600	670	1000	200	22	114	1231	125	125	100	678	
	75	780	660	380	630	600	670	1000	200	22	114	1231	125	125	100	678	

