

NIS
NISF
NISO

50Hz
End Suction
Centrifugal Pumps



CONTENT

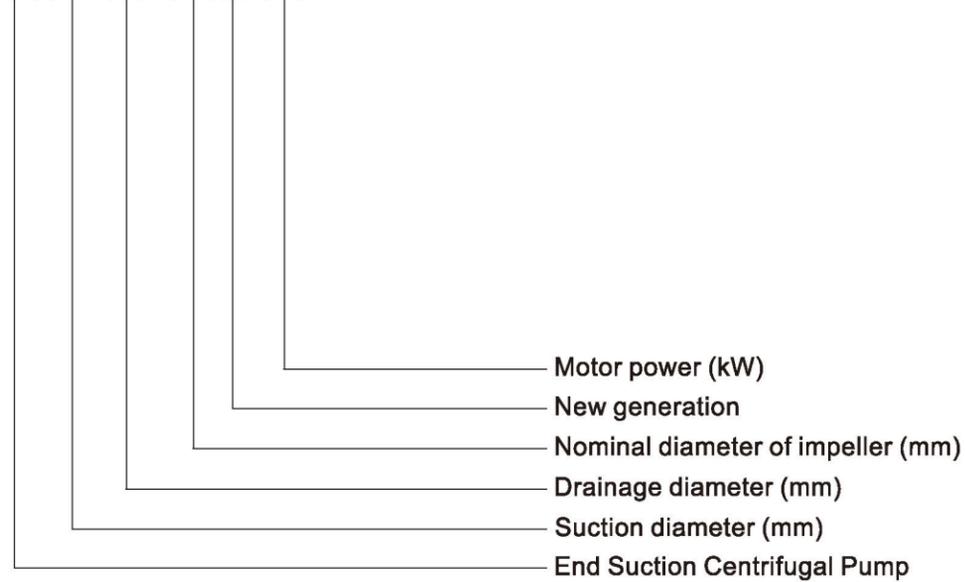
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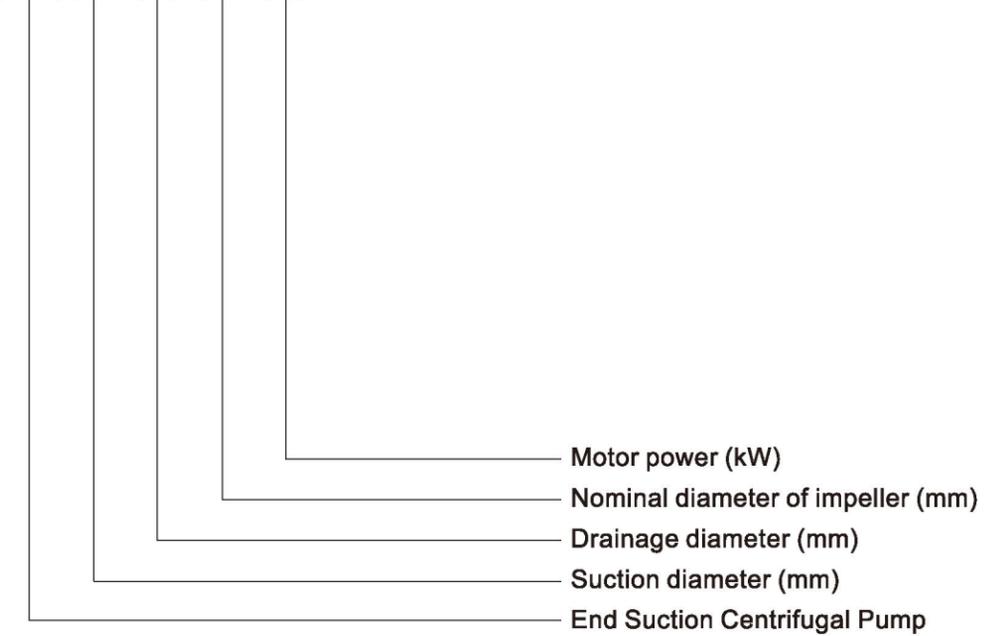
Model definition

NIS 100 - 65 - 200 G / 30

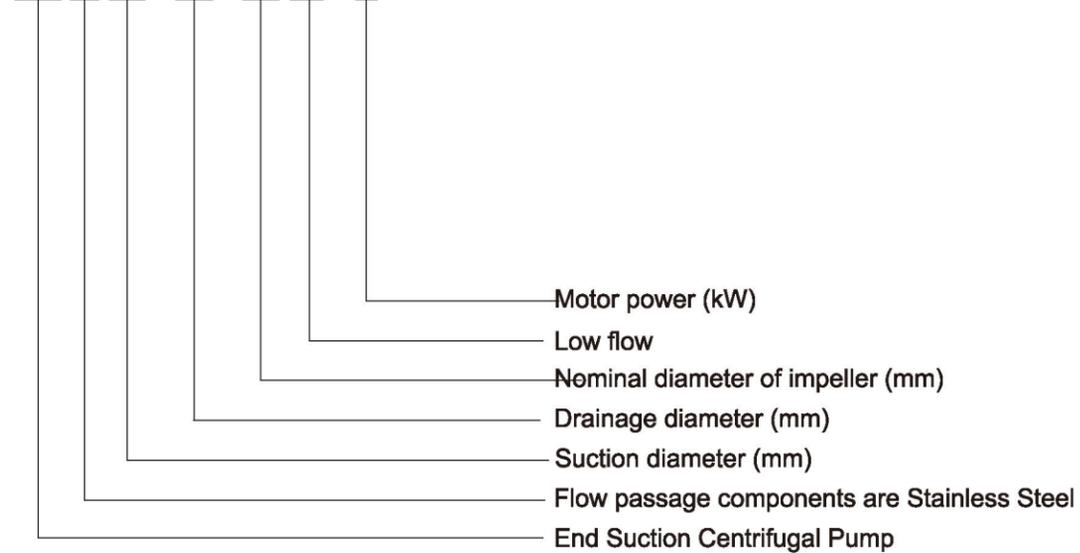


Model definition

NISO 100 - 65 - 200 / 30



NIS F 300 - 250 - 315 (Q) / 75



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)

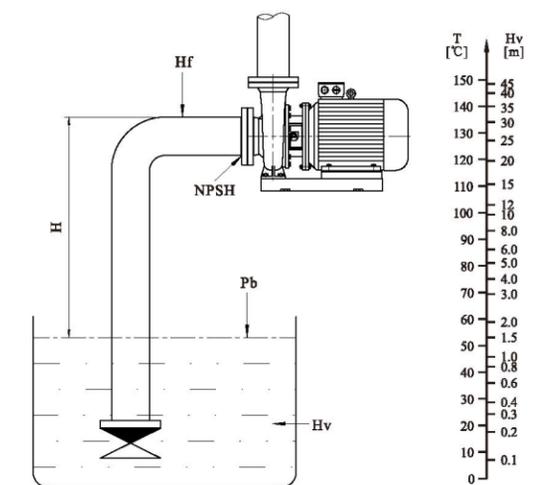
Minimum 0.5m delivery head.

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

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

H is calculated in the following conditions:

1. The liquid temperature is comparatively higher;
2. Liquid flow exceeds rated value;
3. Suction head is comparatively large or inlet pipeline long;
4. System pressure is too low;
5. Bad inlet condition.



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 ISO7005-2; Inlet and outlet flange and pump body of Stainless Steel pump conform to standard of PN16 in ISO7005-1.

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

Motor parameter

Standard TEFC motor

- IP grade: IP 55
- Insulation grade: F

Standard voltage: 50Hz: 1x220V

3x220/380V
3x380V

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 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.

Performance parameters

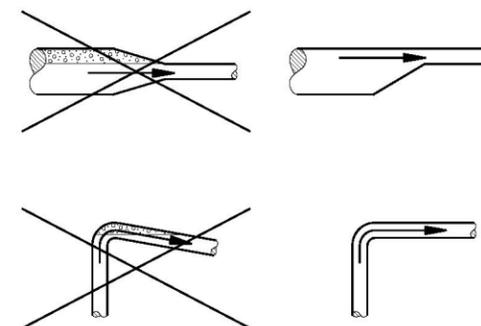
- Max. Flow: 1600 m³/h
- Max. Head: 160 m
- Max. Working pressure: 16 bar
- Max. Power: 200kW
- Liquid temperature: -15°C~ 110°C
- Inlet and outlet diameter:
Inlet diameter: DN50~DN350
Outlet diameter: DN32~DN300

Curve conditions

- Following conditions are suitable for the performance curves shown above.
- All curves are based on the measured values of motor 3x380V, 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.

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.



Working conditions

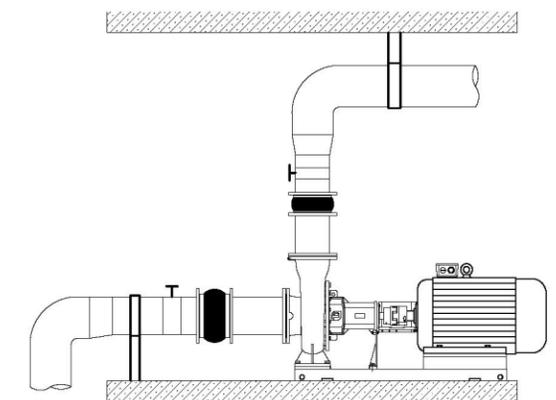
Relative humidity of pump

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

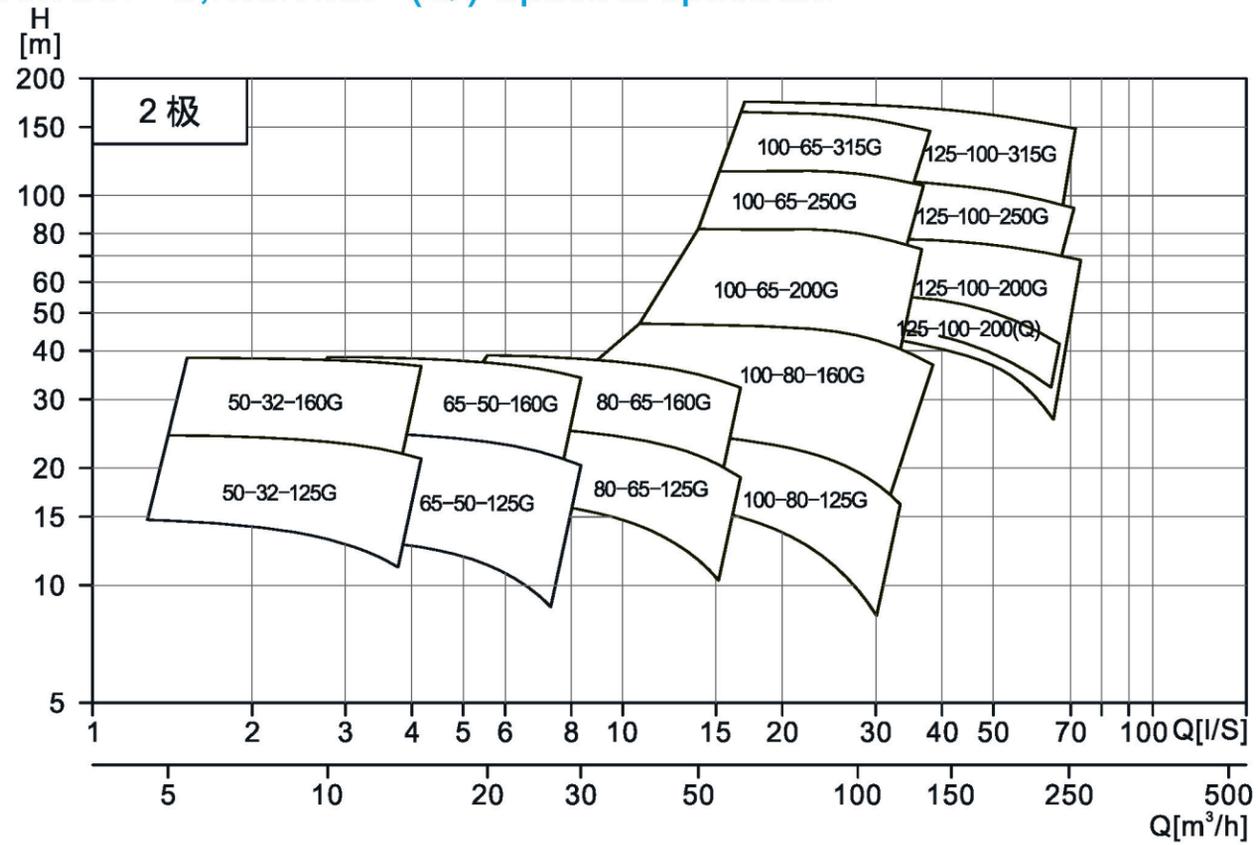
Ambient humidity and altitude

- 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.

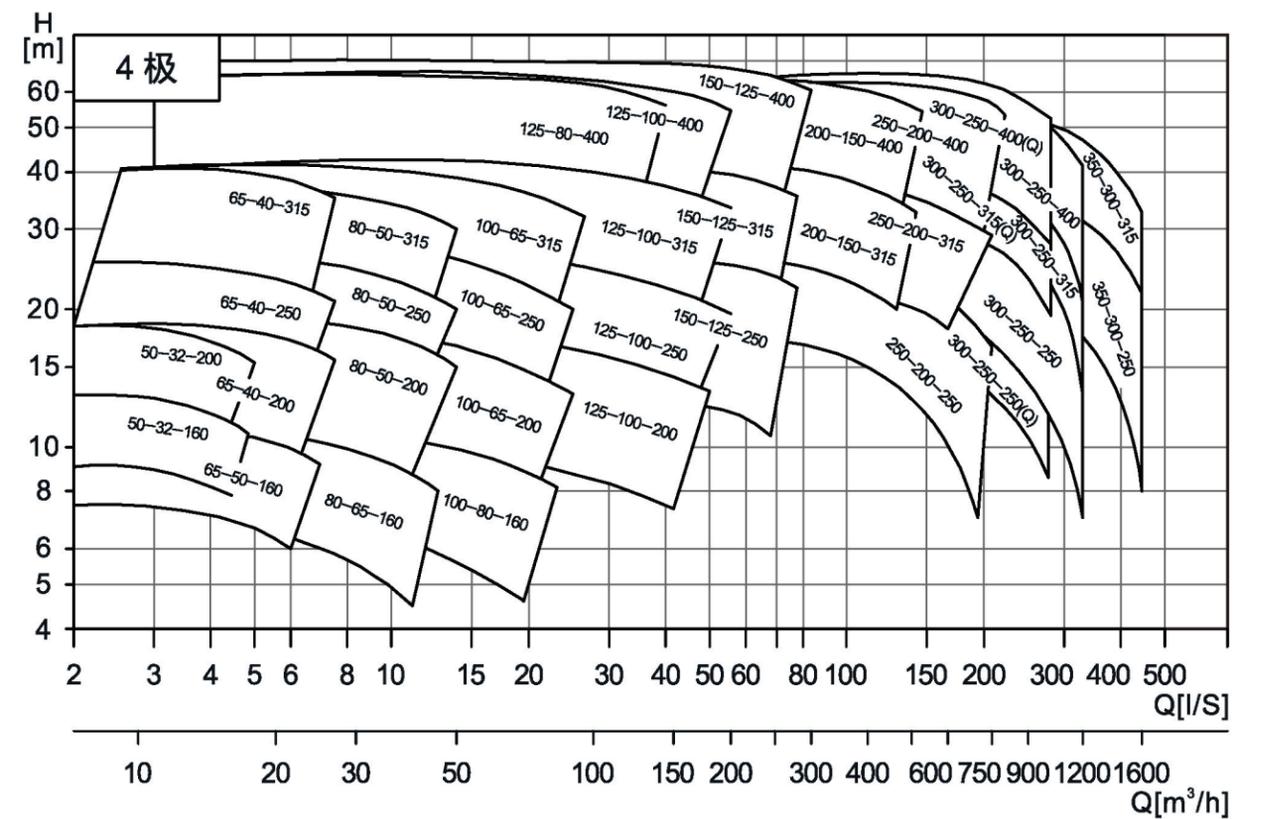
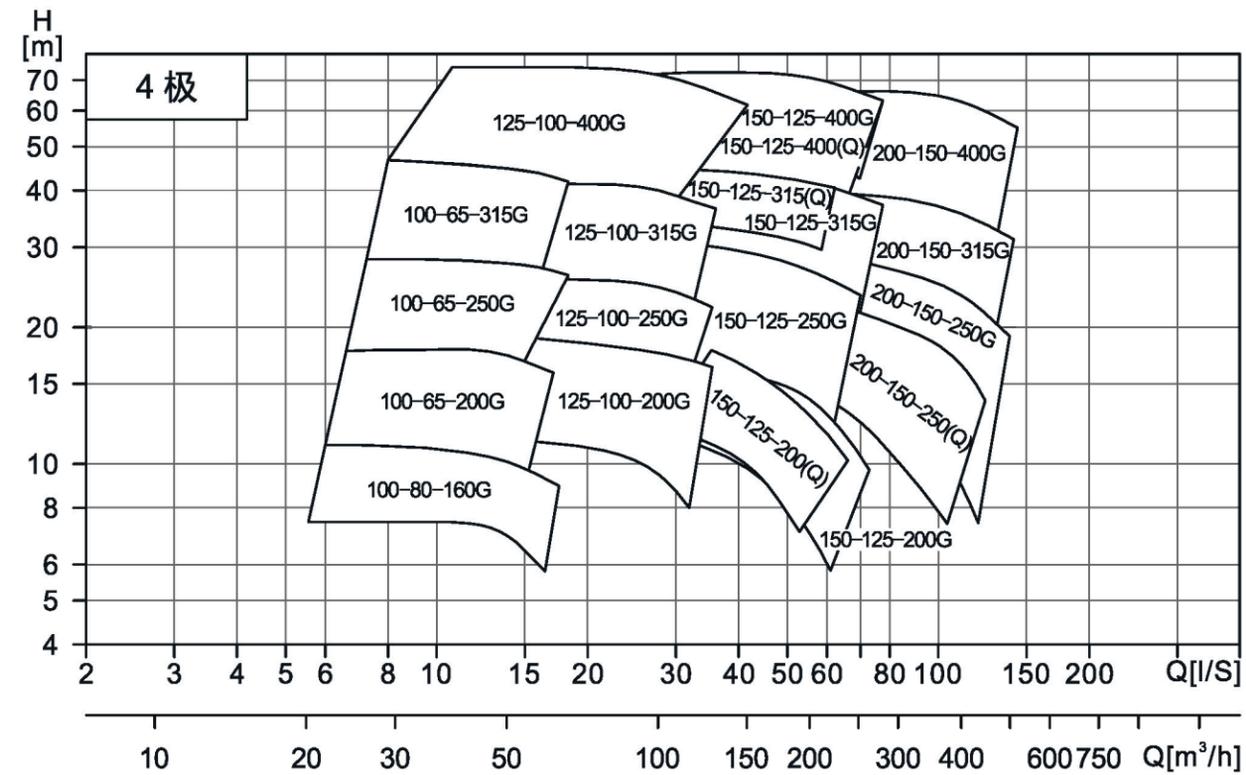
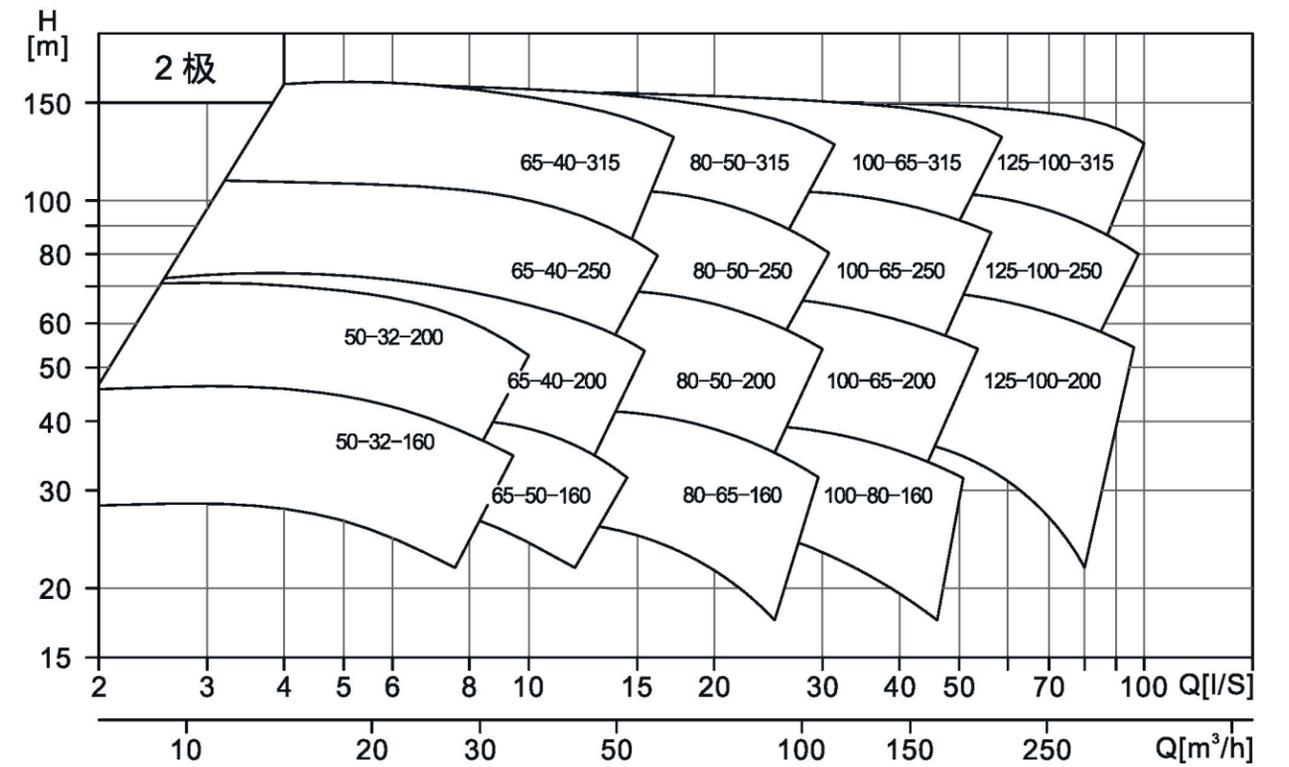
- Install an isolation valve on each end of the pump so that the system does not have to be drained when cleaning or repairing the pump.
- Ensure that the pipe is sufficiently supported (inlet and outlet side) as close as possible to the pump. The butt flange should be attached to pump flange without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



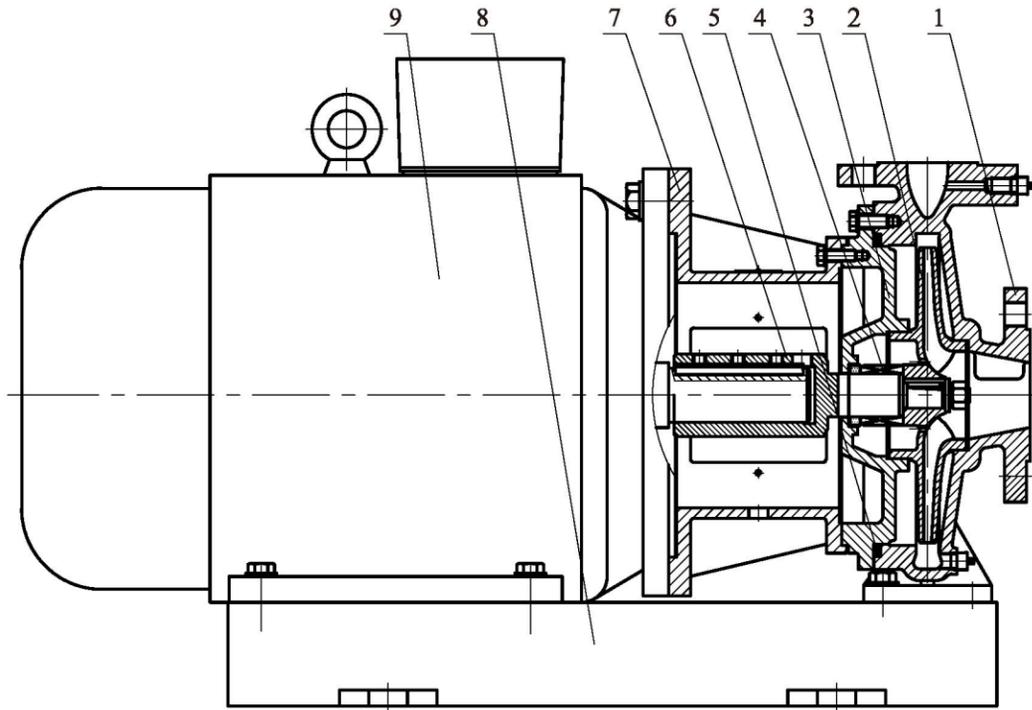
NIS/NISF*G,NIS/NISF*(Q) Spectral spectrum



NISO,NIS,NISF Spectral spectrum



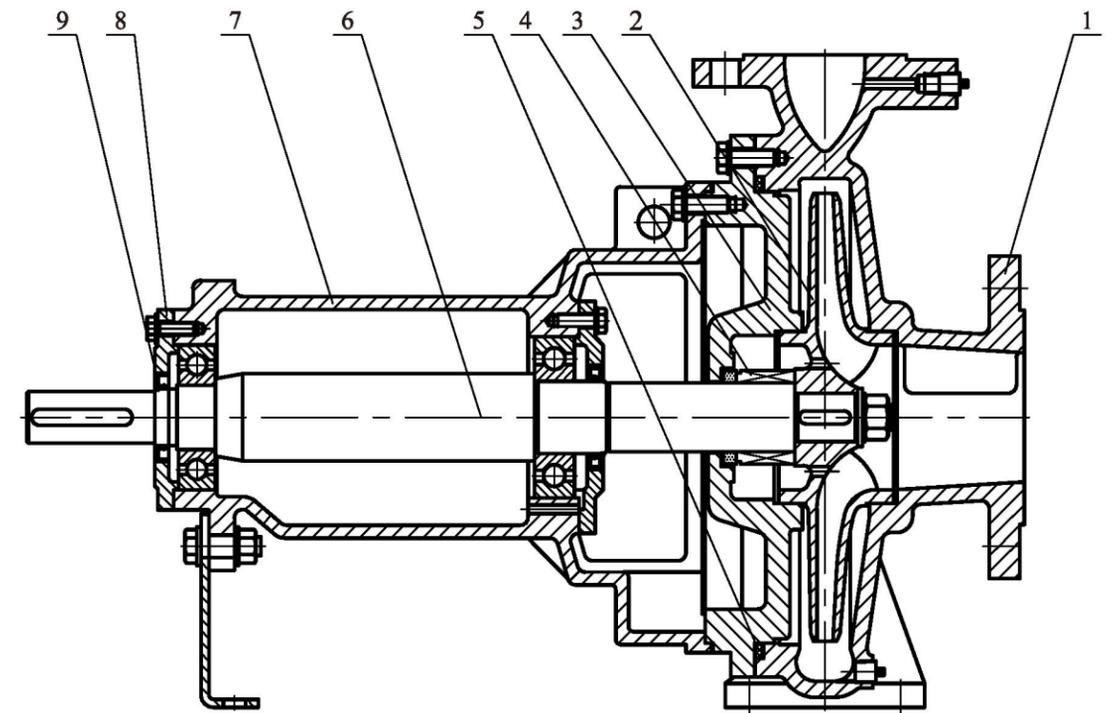
NIS,NISF Sectional drawing



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	AISIA570
9	Motor		

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/NISF*G,NIS/NISF*(Q) Product range

2-pole							
No.	Model	Q [m³/h]	H [m]	Flow range [r/min]	Motor [kW]	n [r/min]	
1	50-32-125G/0.75	12.5	11.5	5~15	0.75	2900	
2	50-32-125G/1.1		17		1.1		
3	50-32-125G/1.5		22		1.5		
4	50-32-160G/2.2		34		2.2		
5	50-32-160G/3		38		3		
6	65-50-125G/1.1	25	9	10~30	1.1		
7	65-50-125G/1.5		13.5		1.5		
8	65-50-125G/2.2		20		2.2		
9	65-50-160G/3		27		3		
10	65-50-160G/4		35		4		
11	80-65-125G/2.2	50	11	20~60	2.2		
12	80-65-125G/3		15		3		
13	80-65-125G/4		20		4		
14	80-65-160G/5.5		28		5.5		
15	80-65-160G/7.5		34		7.5		
16	100-65-200G/18.5	100	42	40~120	18.5	2950	
17	100-65-200G/22		51		22		
18	100-65-200G/30		67		30		
19	100-65-200G/37		80		37		
20	100-65-250G/45		103		45		
21	100-65-250G/55		116		55		
22	100-65-315G/75		140		75		
23	100-65-315G/90		160		90		
24	100-80-125G/4	100	9	40~120	4		2900
25	100-80-125G/5.5		14.5		5.5		
26	100-80-125G/7.5		19		7.5		
27	100-80-160G/11	100	26	40~120	11		2950
28	100-80-160G/15		36		15		
29	100-80-160G/18.5		44		18.5		
30	125-100-200(Q)/30	160	43	60~200	30		2950
31	125-100-200(Q)/37		52		37		

NIS/NISF*G,NIS/NISF*(Q) Product range

2-pole						
No.	Model	Q [m³/h]	H [m]	Flow range [r/min]	Motor [kW]	n [r/min]
32	125-100-200G/30	200	35	80~240	30	2950
33	125-100-200G/37		45		37	
34	125-100-200G/45		54		45	
35	125-100-200G/55		68		55	
36	125-100-200G/75		74		75	
37	125-100-250G/75		86		75	
38	125-100-250G/90		102		90	
39	125-100-315G/110		128		110	
40	125-100-315G/132		150		132	
41	125-100-315G/160		160		160	

4-pole						
No.	Model	Q [m³/h]	H [m]	Flow range [r/min]	Motor [kW]	n [r/min]
1	100-65-200G/3	50	13	20~60	3	1450
2	100-65-200G/4		17.5		4	
3	100-65-250G/5.5		24		5.5	
4	100-65-250G/7.5		28		7.5	
5	100-65-315G/11		40		11	
6	100-65-315G/15	100	45	40~120	15	1480
7	100-80-160G/1.5		7		1.5	
8	100-80-160G/2.2		10		2.2	
9	125-100-200G/4		9.5		4	
10	125-100-200G/5.5		13		5.5	
11	125-100-200G/7.5		18		7.5	
12	125-100-250G/11		25		11	
13	125-100-315G/15		33		15	
14	125-100-315G/18.5		40		18.5	
15	125-100-400G/30		55		30	
16	125-100-400G/37		68		37	
17	125-100-400G/45	72	45			

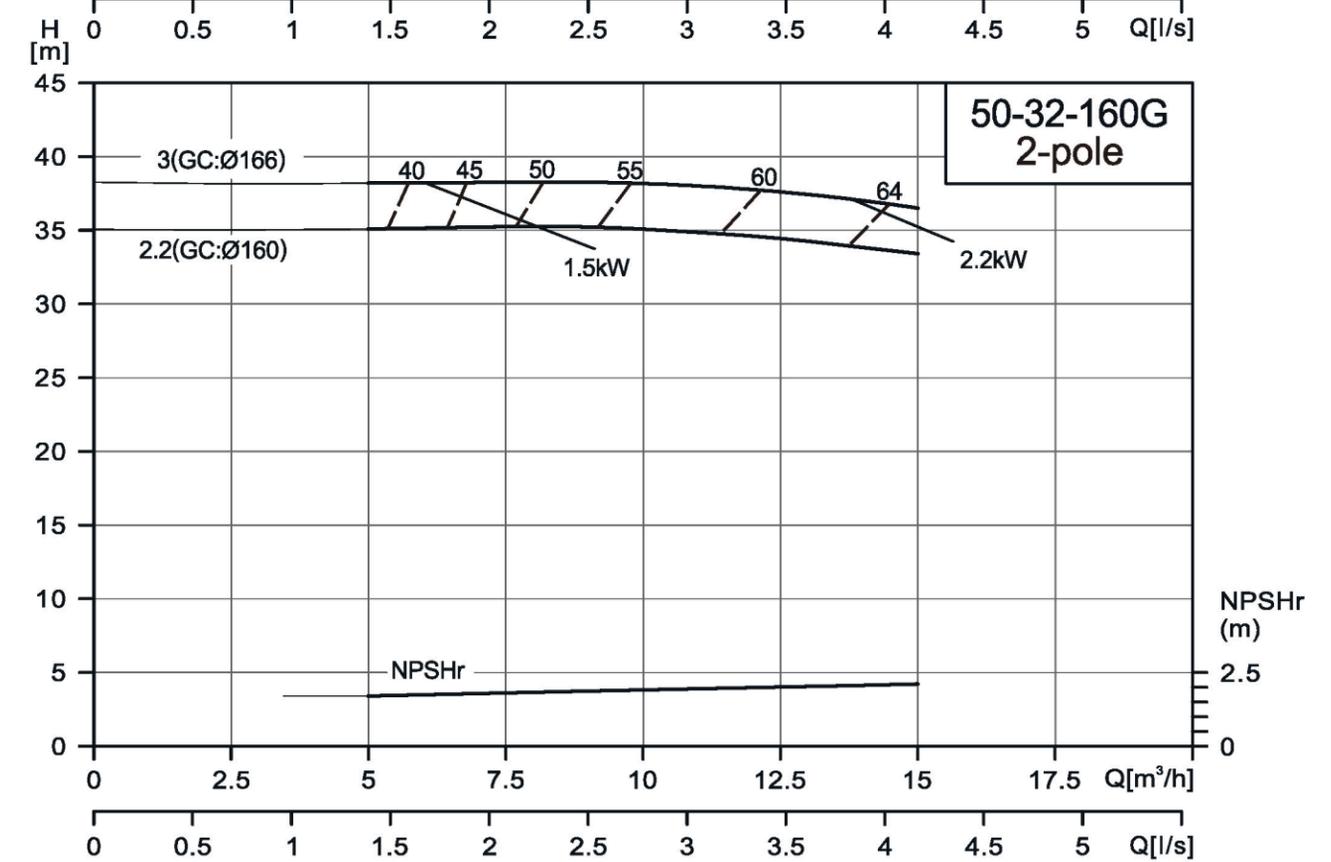
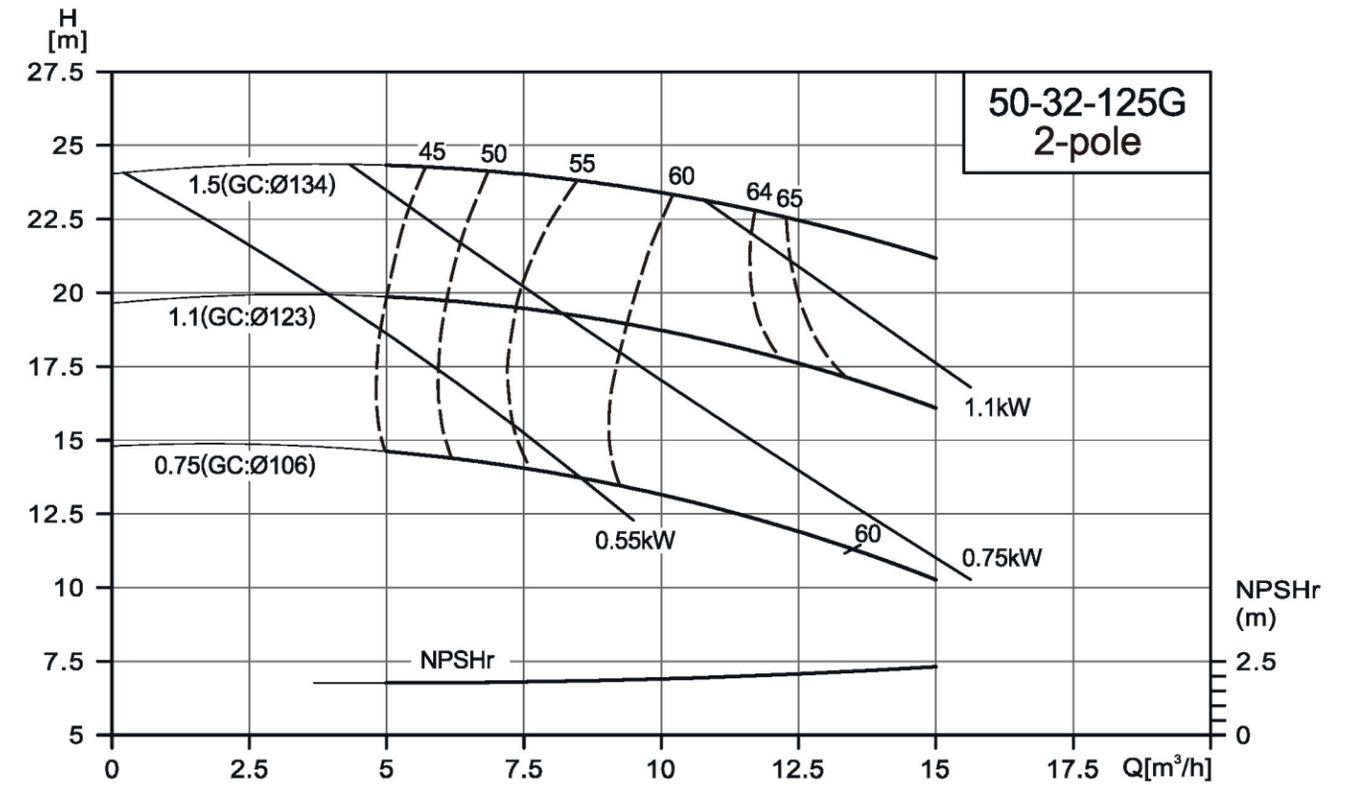
NIS/NISF*G,NIS/NISF*(Q) Product range

4-pole

No.	Model	Q [m³/h]	H [m]	Flow range [r/min]	Motor [kW]	n [r/min]
18	150-125-200(Q)/5.5	160	8.5	60~200	5.5	1450
19	150-125-200(Q)/7.5		12		7.5	
20	150-125-200(Q)/11		16		11	
21	150-125-200G/5.5	200	7	80~240	5.5	1450
22	150-125-200G/7.5		10		7.5	
23	150-125-200G/11		14		11	
24	150-125-250G/15		18		15	
25	150-125-250G/18.5		23		18.5	
26	150-125-250G/22		27		22	
27	150-125-315(Q)/22	160	32	60~200	22	1480
28	150-125-315(Q)/30	160	43	60~200	30	
29	150-125-315G/30	200	36	80~240	30	
30	150-125-315G/37	200	42	80~240	37	37
31	150-125-400(Q)/37	160	50	60~200	37	1480
32	150-125-400G/45	200	54	80~240	45	
33	150-125-400G/55		64		55	
34	150-125-400G/75		71		75	
35	200-150-250(Q)/11	300	9.5	120~360	11	1480
36	200-150-250(Q)/15		12.5		15	
37	200-150-250(Q)/18.5		16		18.5	
38	200-150-250(Q)/22	300	20	120~360	22	22
39	200-150-250G/15	400	9	160~480	15	1480
40	200-150-250G/18.5		12		18.5	
41	200-150-250G/22		15.5		22	
42	200-150-250G/30		20		30	
43	200-150-315G/37		24		37	
44	200-150-315G/45		29		45	
45	200-150-315G/55		36		55	
46	200-150-400G/75		47		75	
47	200-150-400G/90	56	90			
48	200-150-400G/110	63	110	160~480	110	110

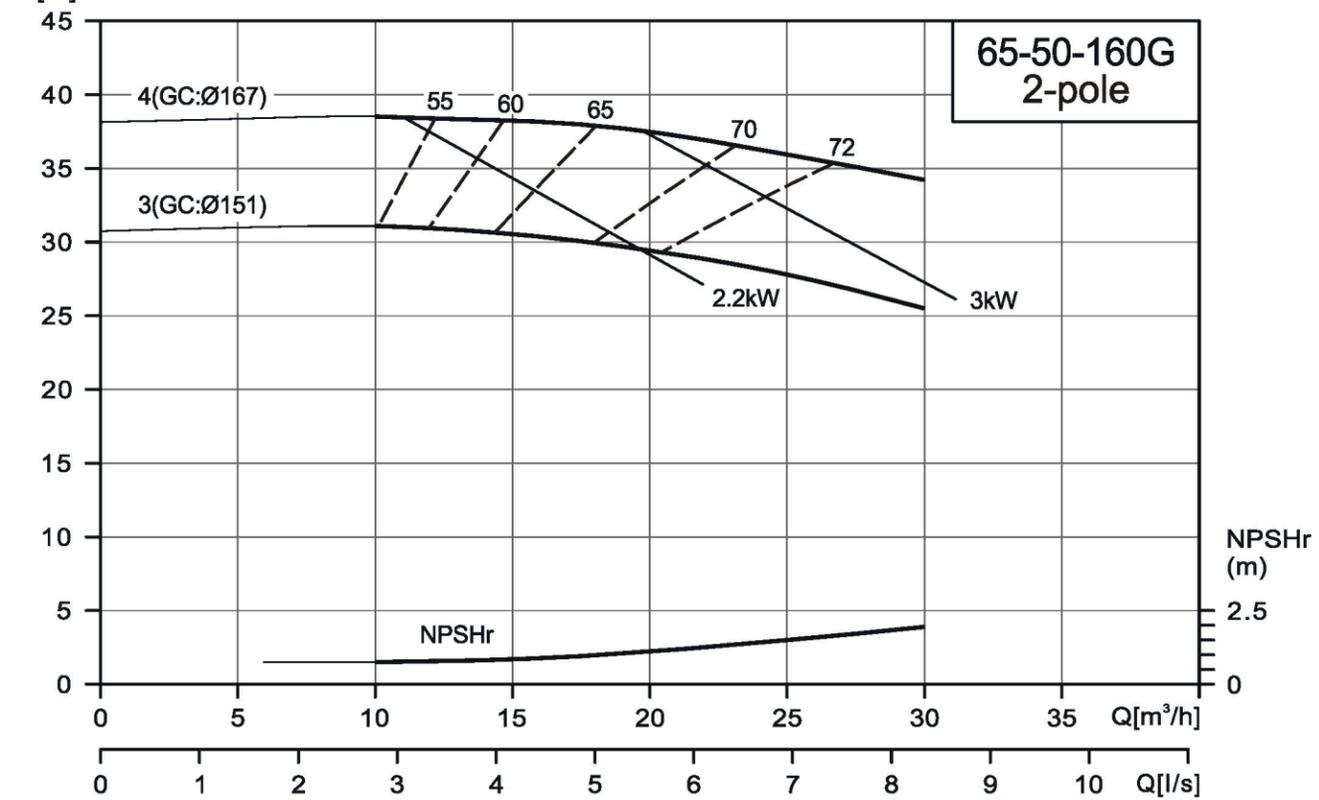
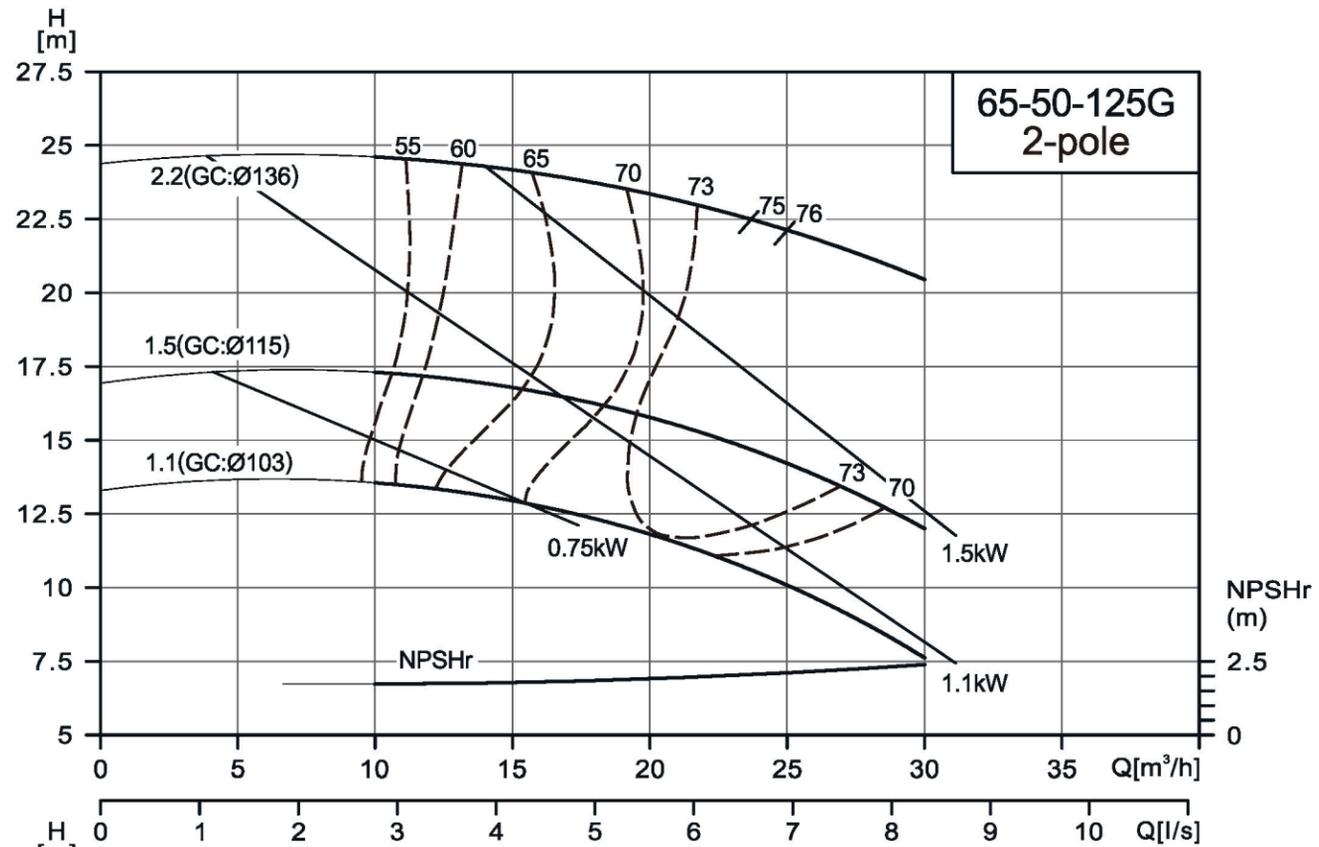
Performance curve

NIS/NISF50-32-125G/50-32-160G



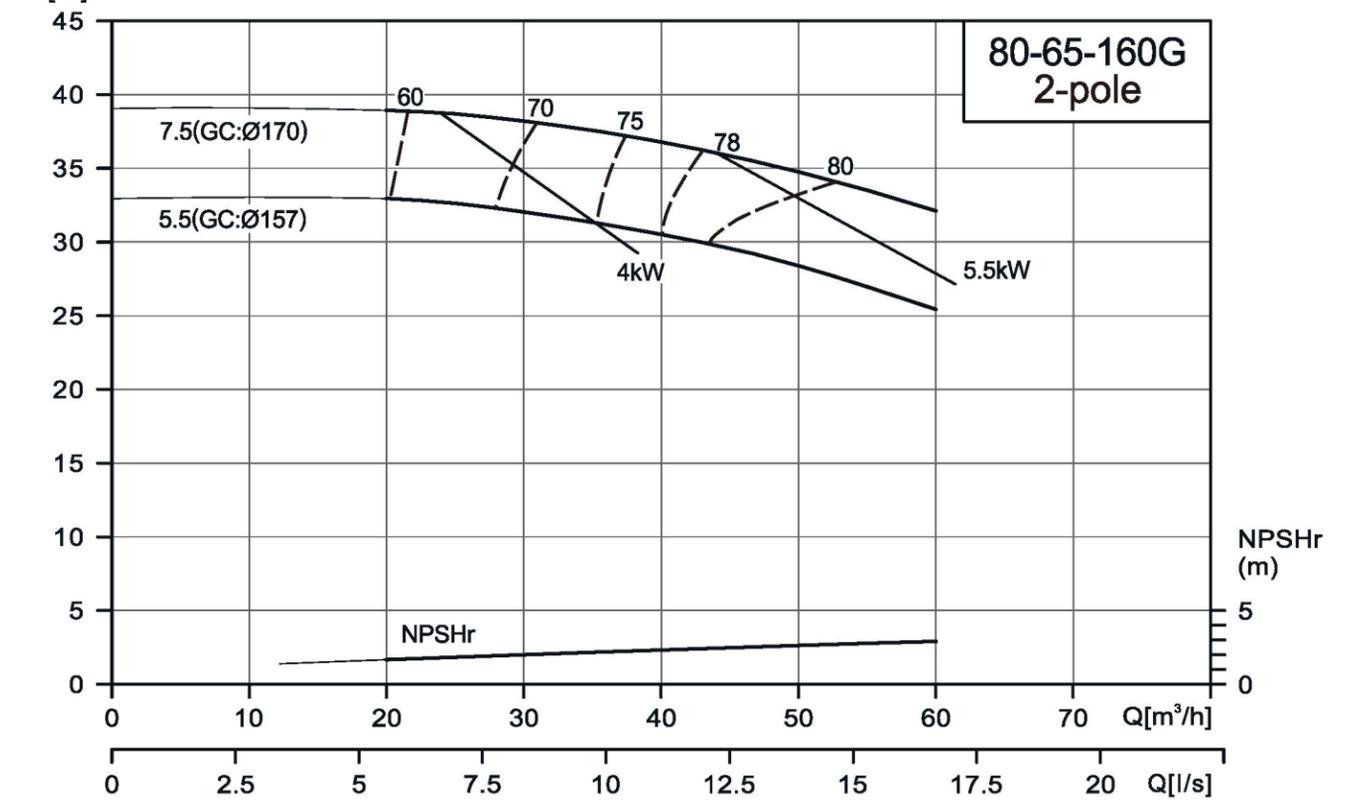
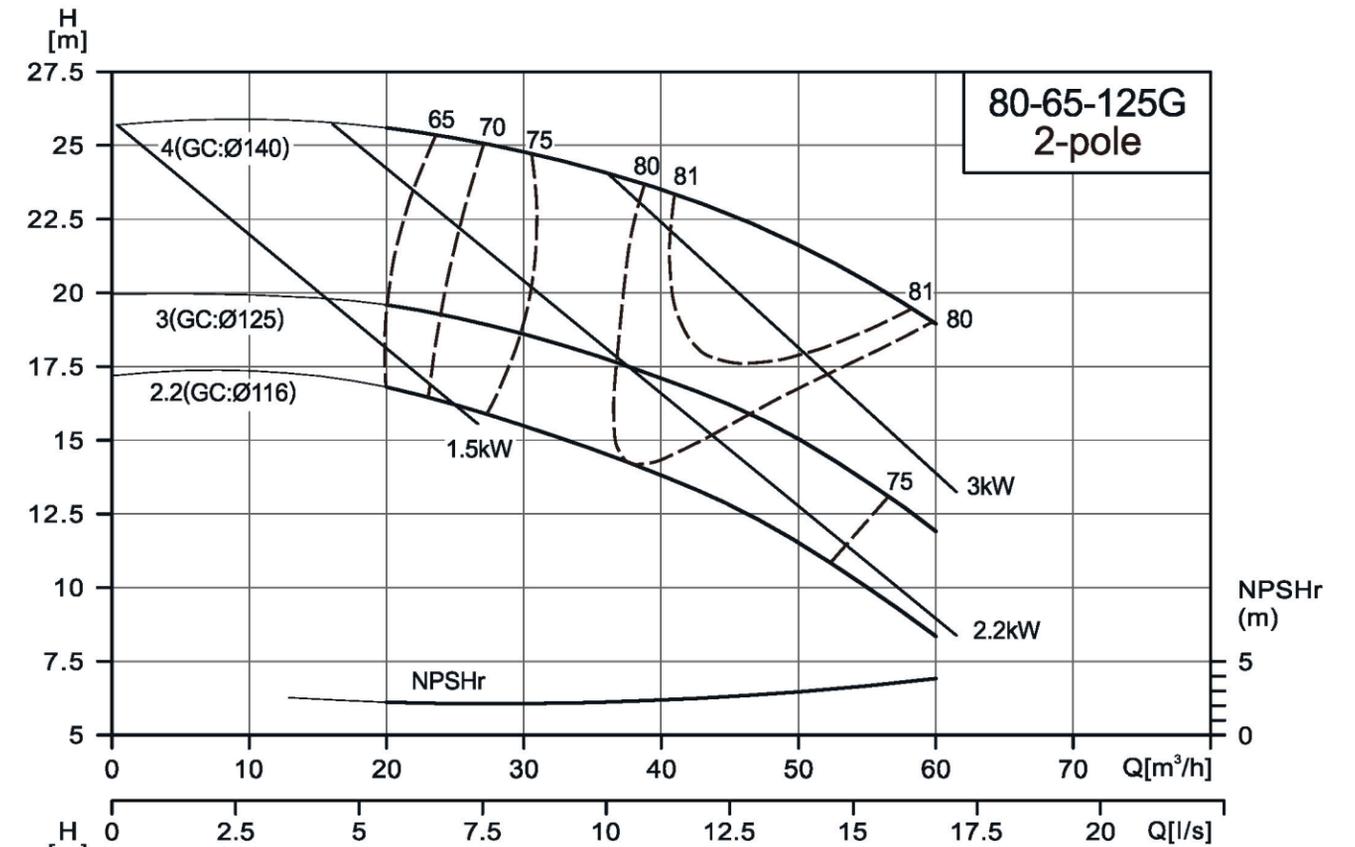
Performance curve

NIS/NISF65-50-125G/65-50-160G



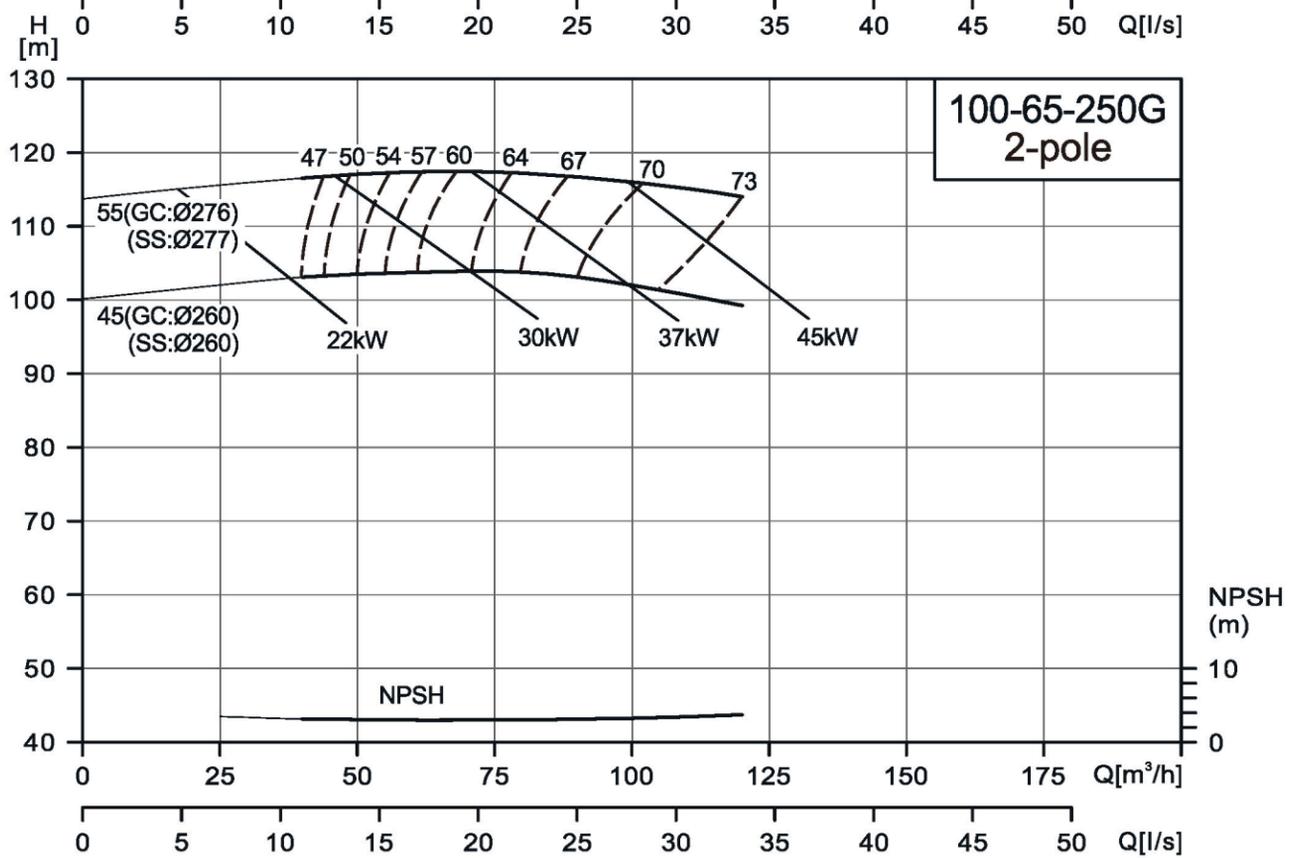
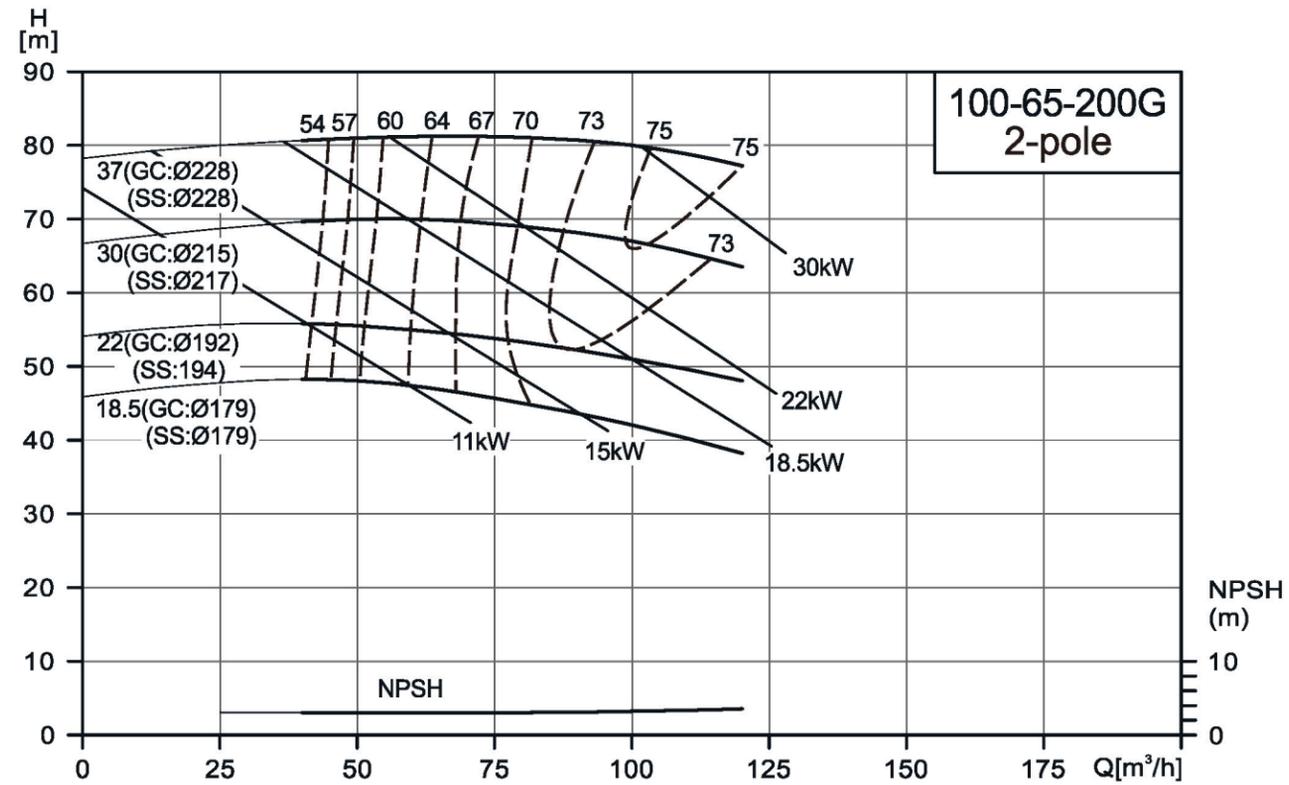
Performance curve

NIS/NISF80-65-125G/80-65-160G



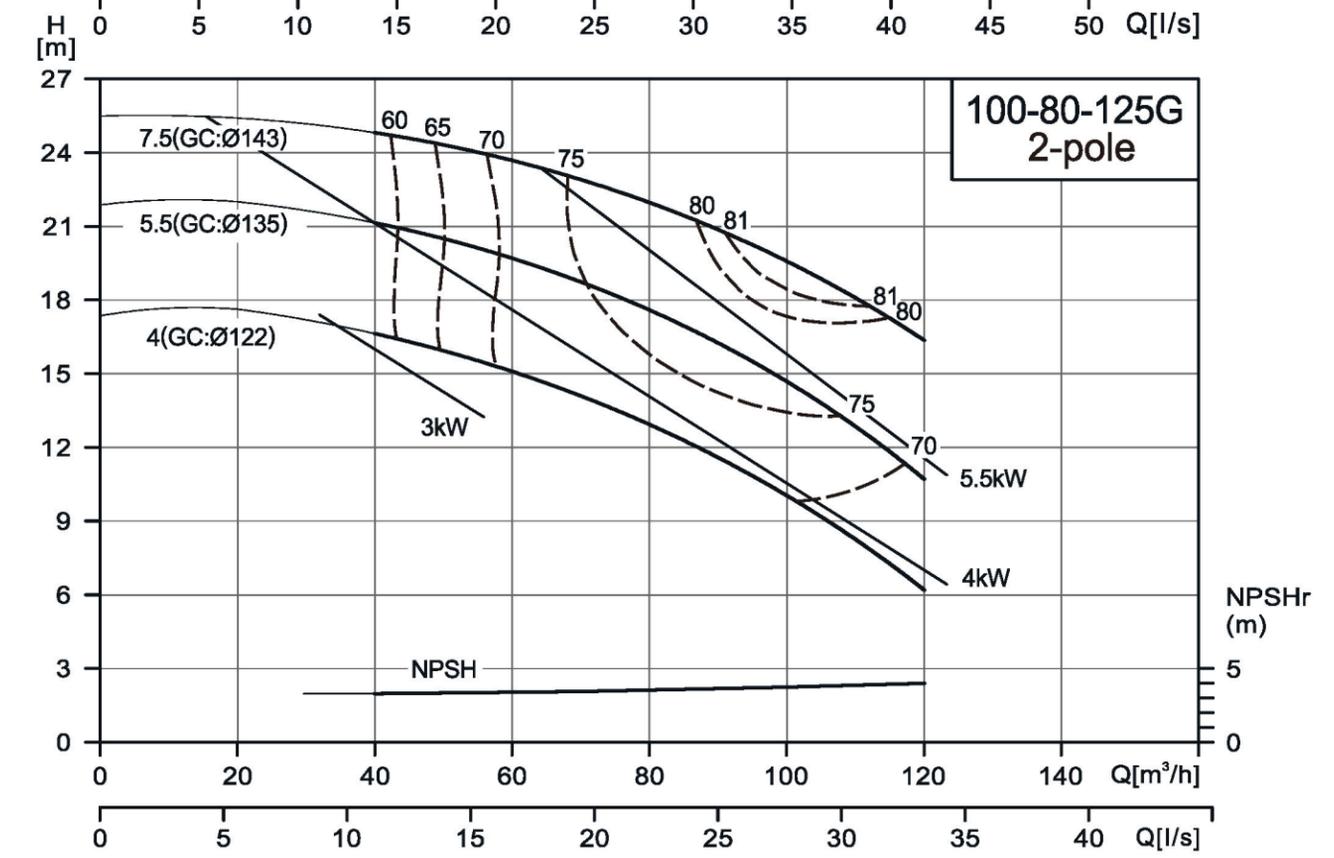
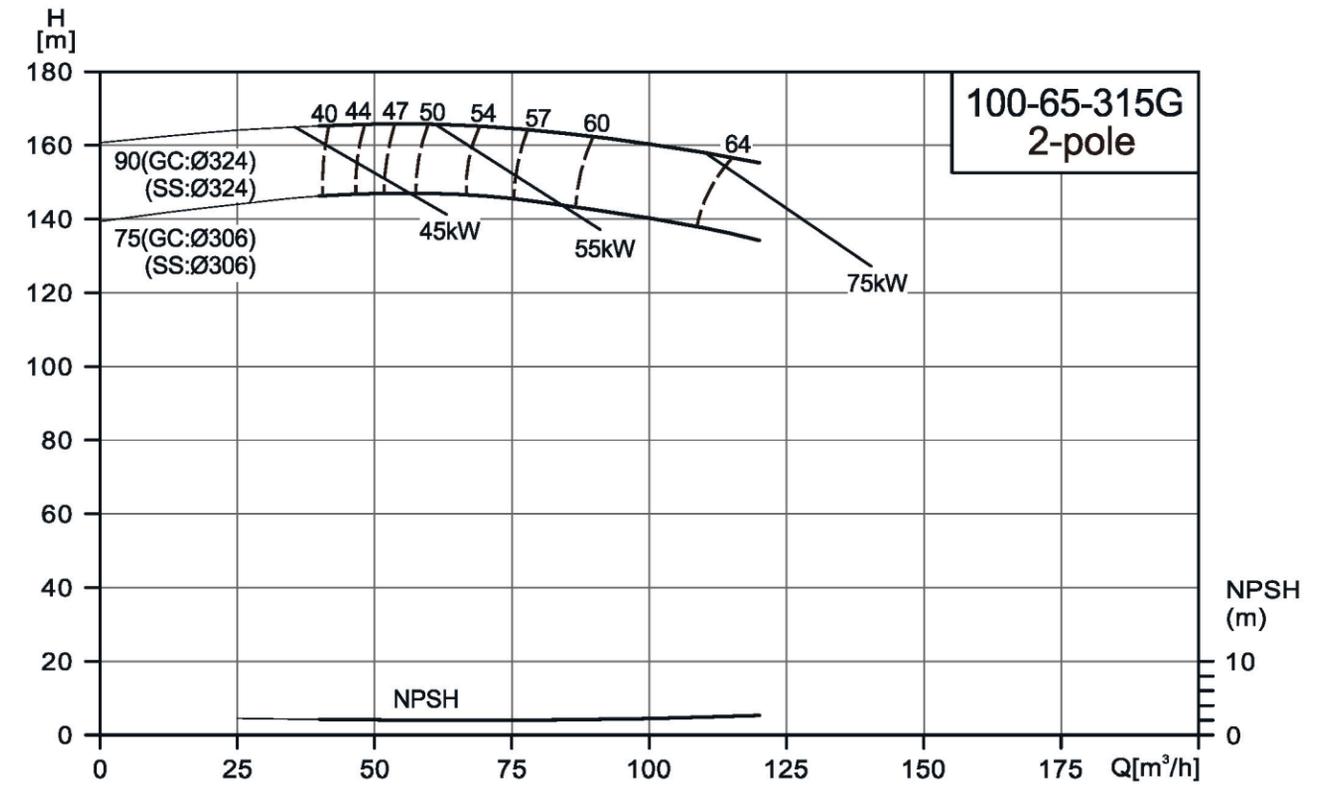
Performance curve

NIS/NISF100-65-200G/100-65-250G



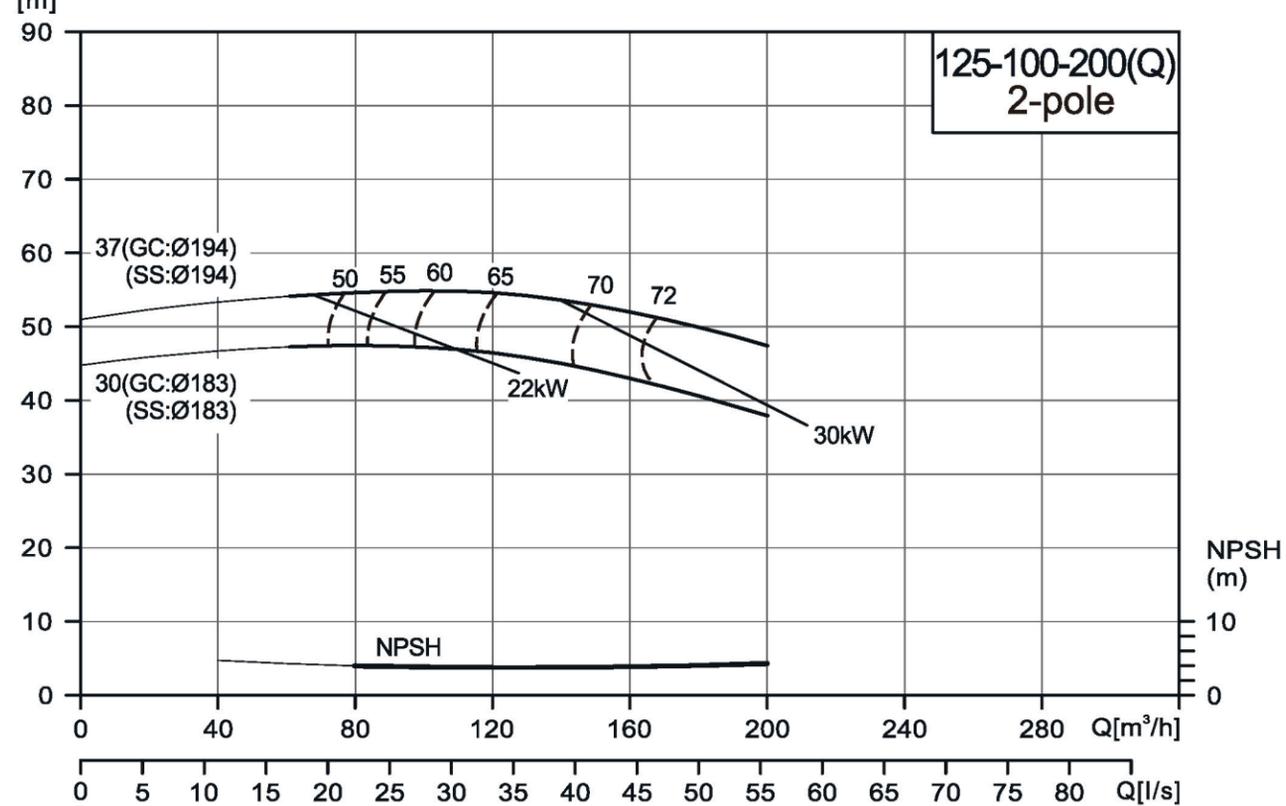
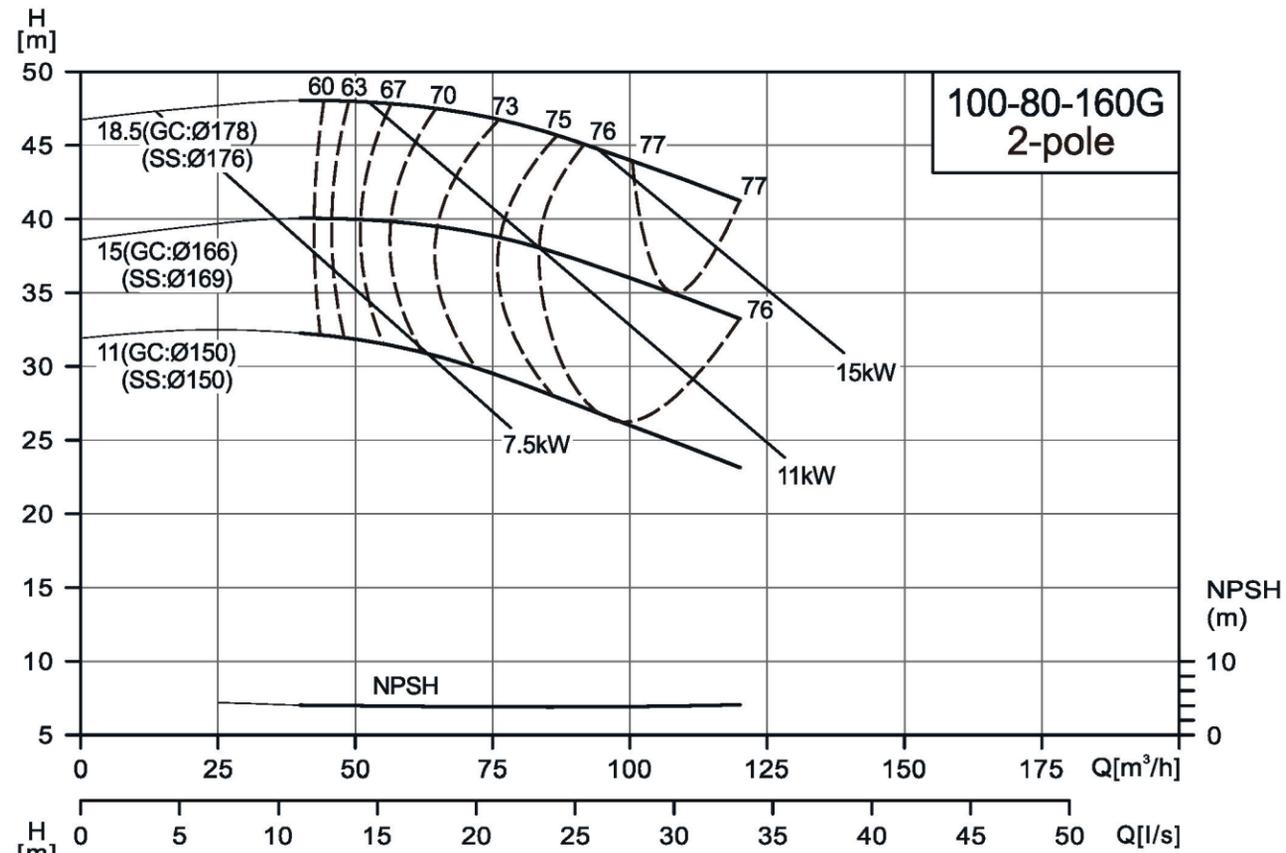
Performance curve

NIS/NISF100-65-315G/100-80-125G



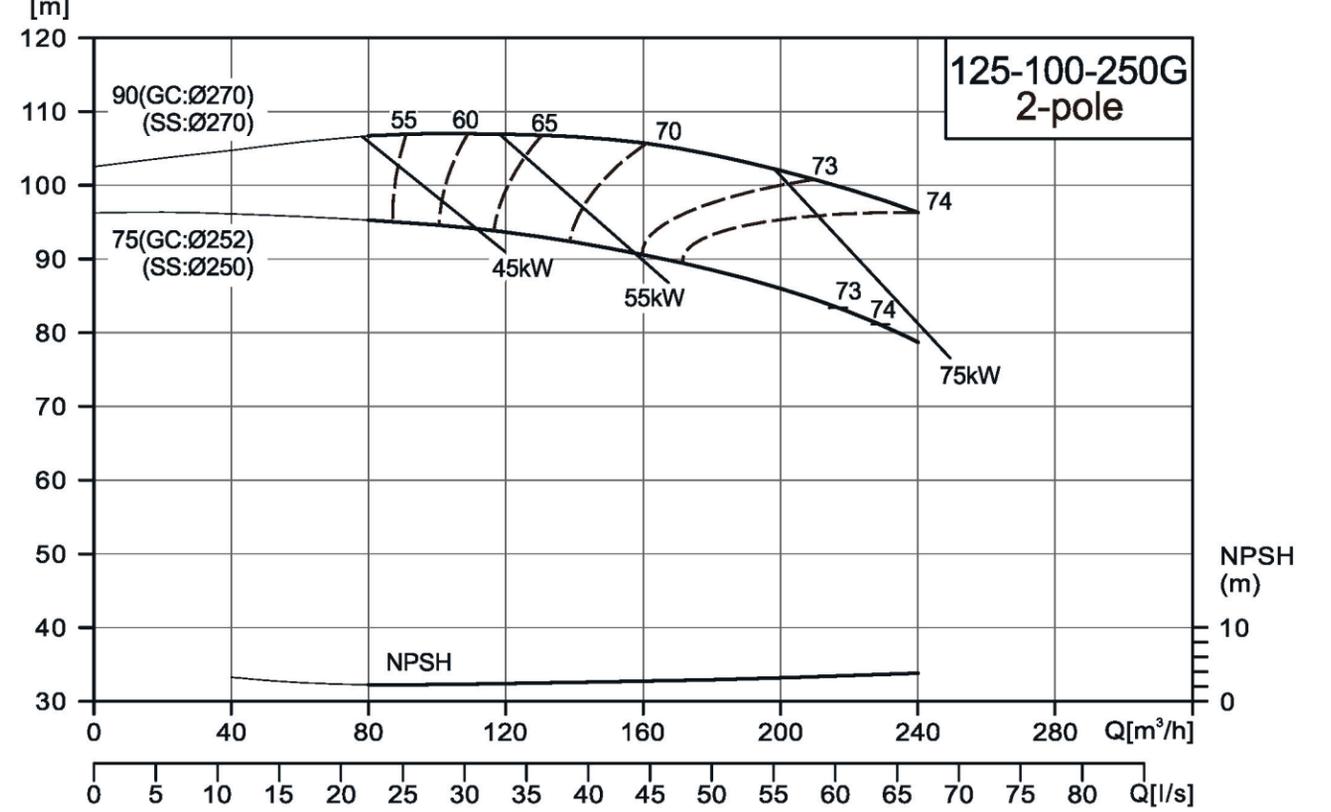
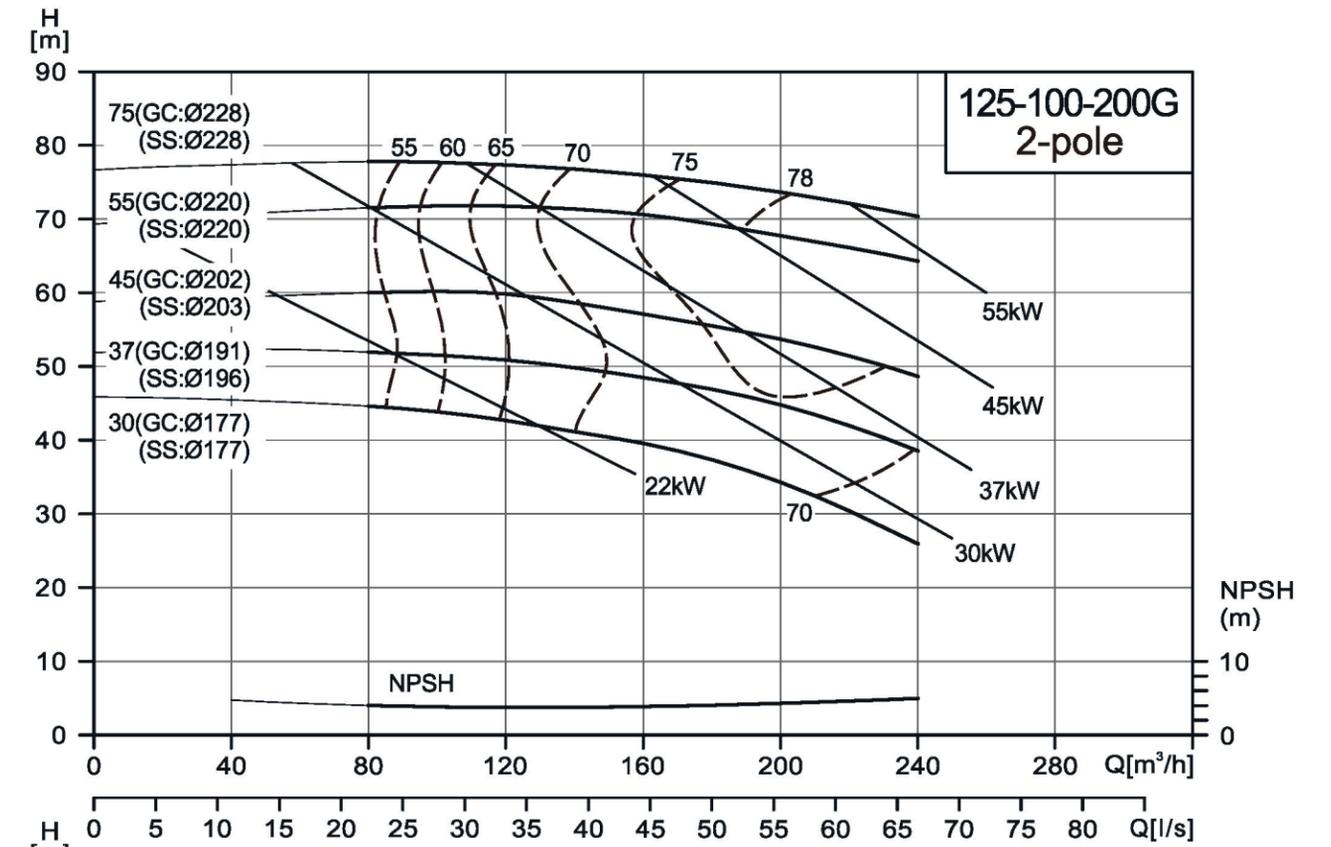
Performance curve

NIS/NISF100-80-160G/125-100-200(Q)



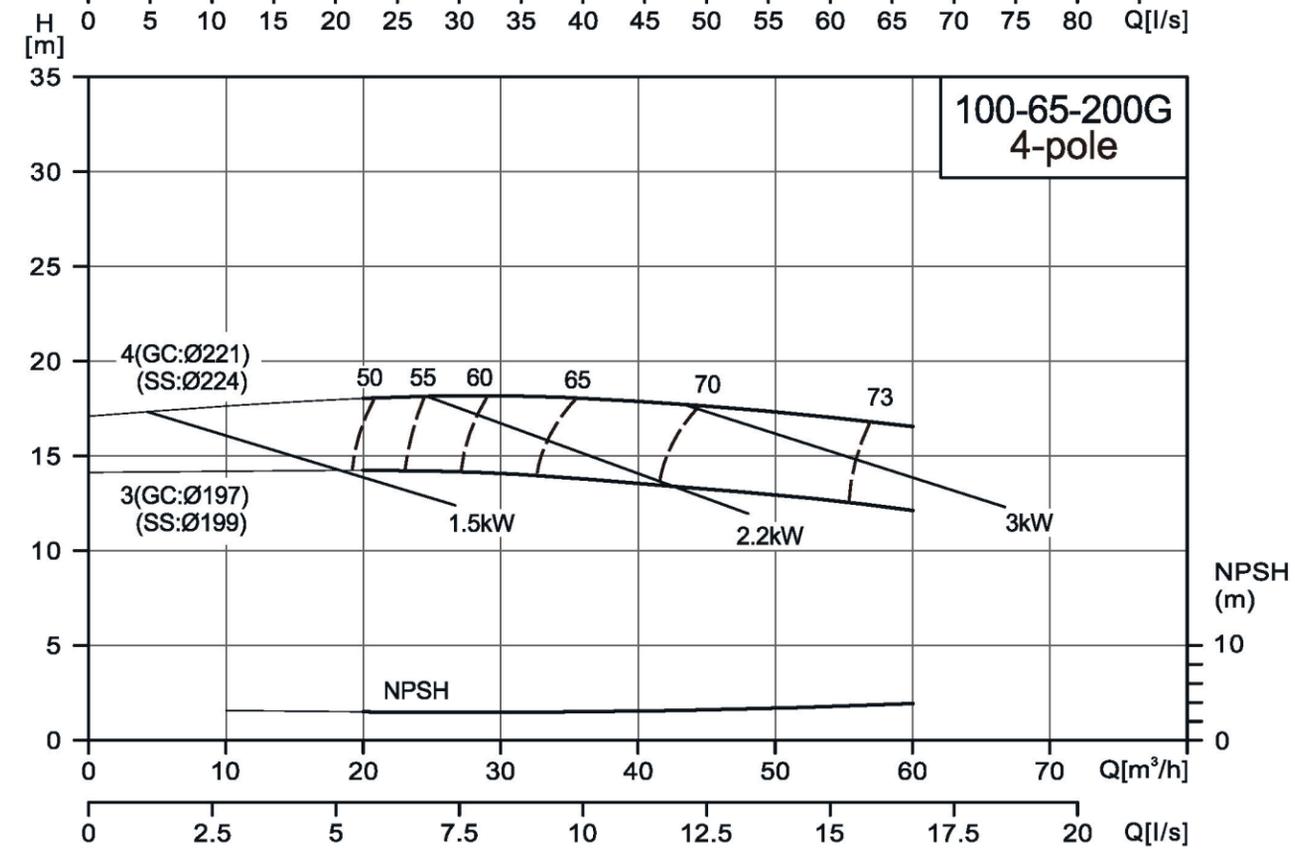
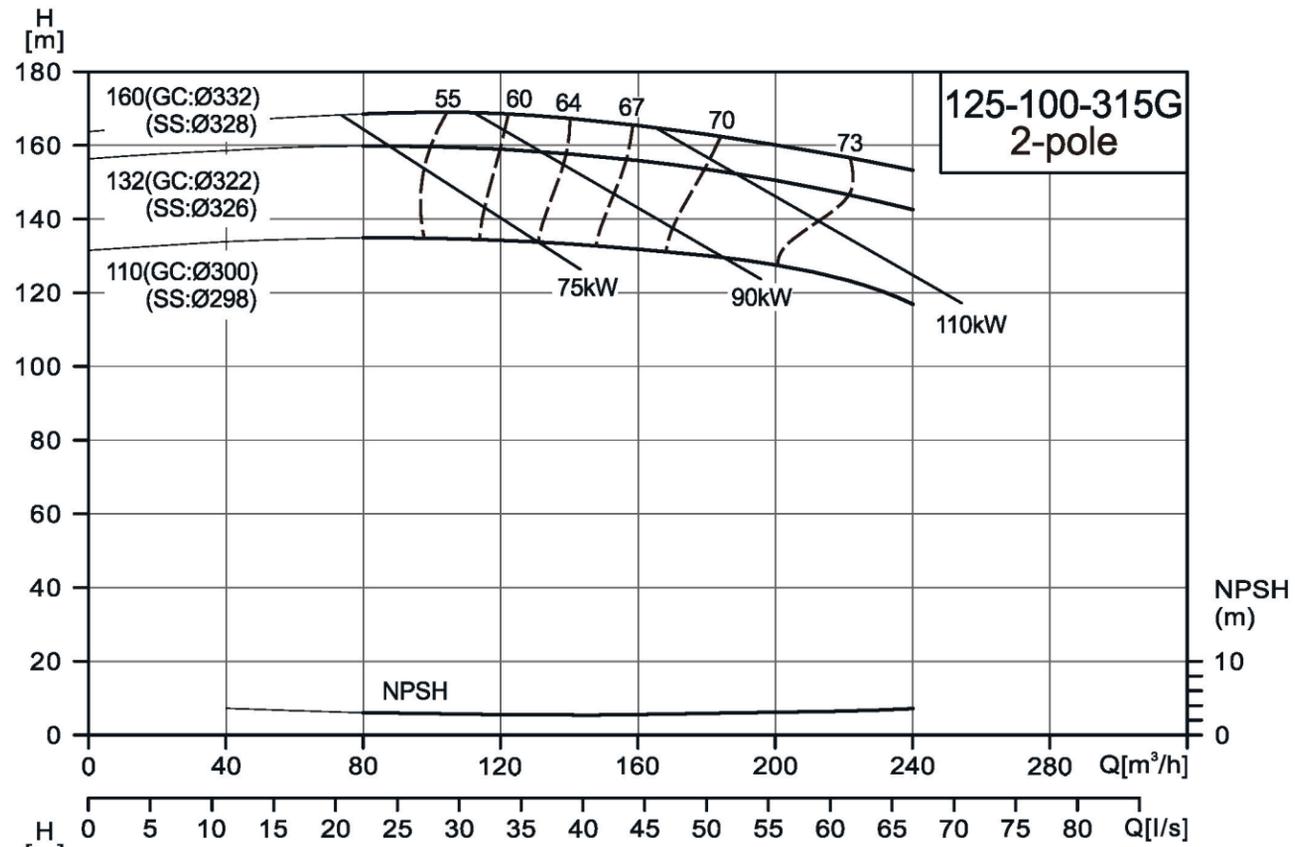
Performance curve

NIS/NISF125-100-200G/125-100-250G



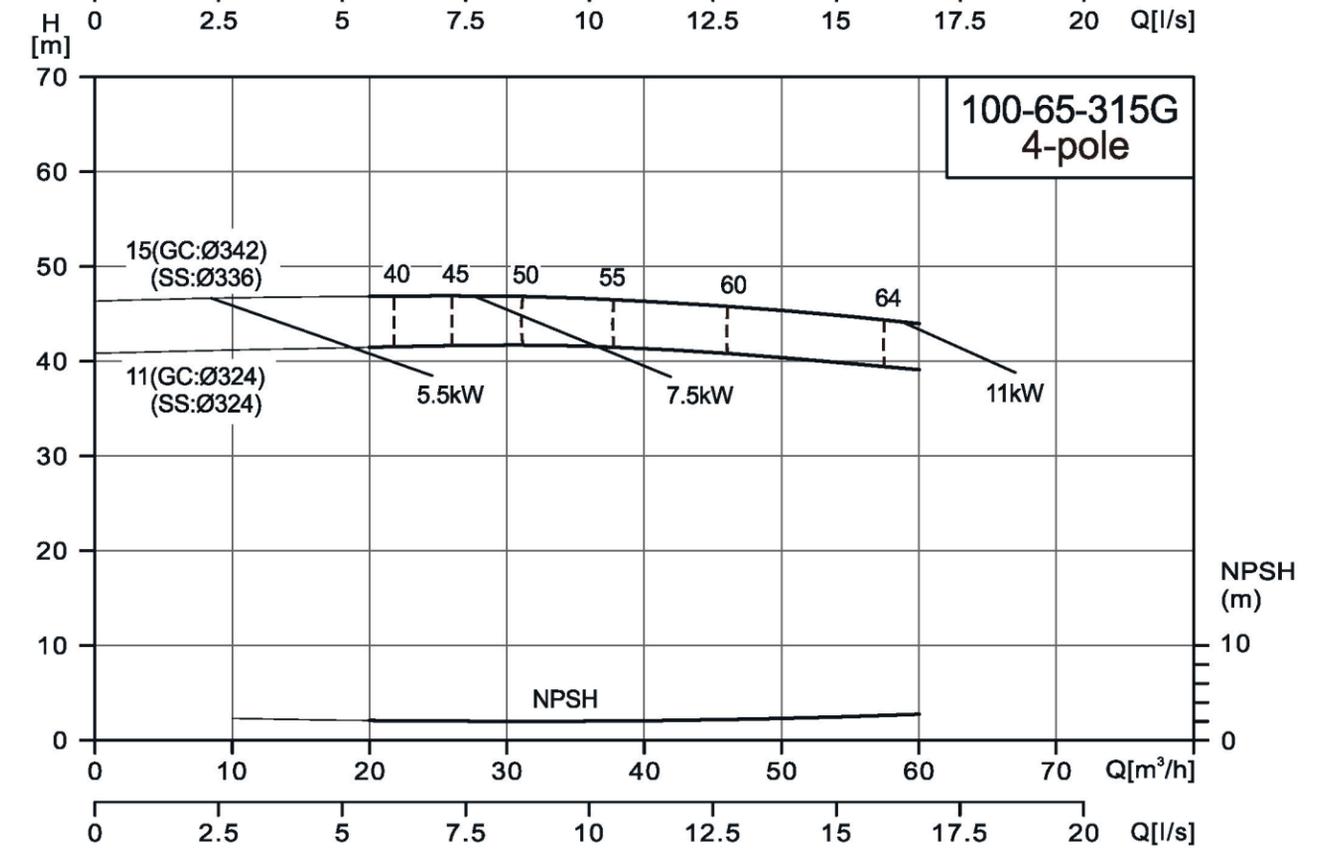
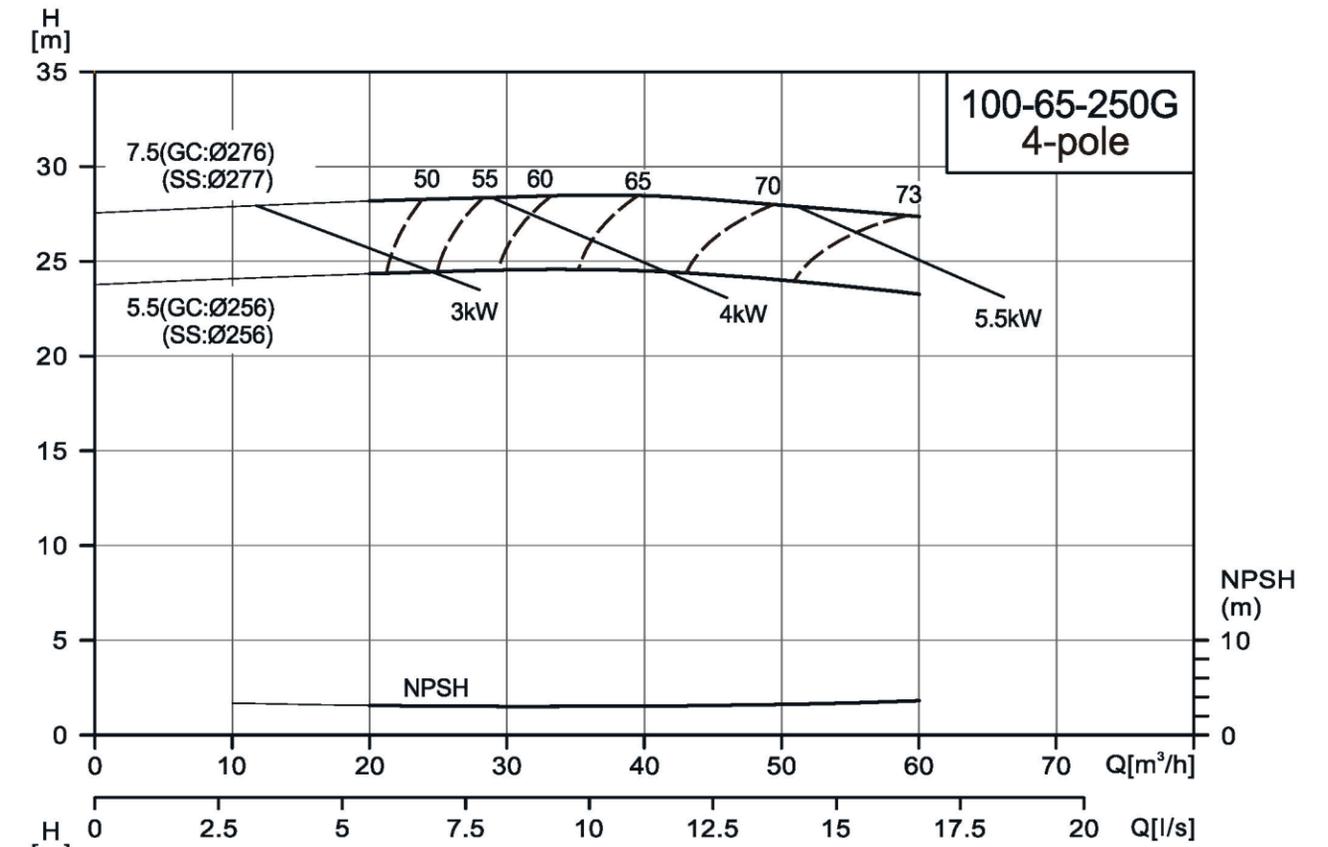
Performance curve

NIS/NISF125-100-315G/100-65-200G



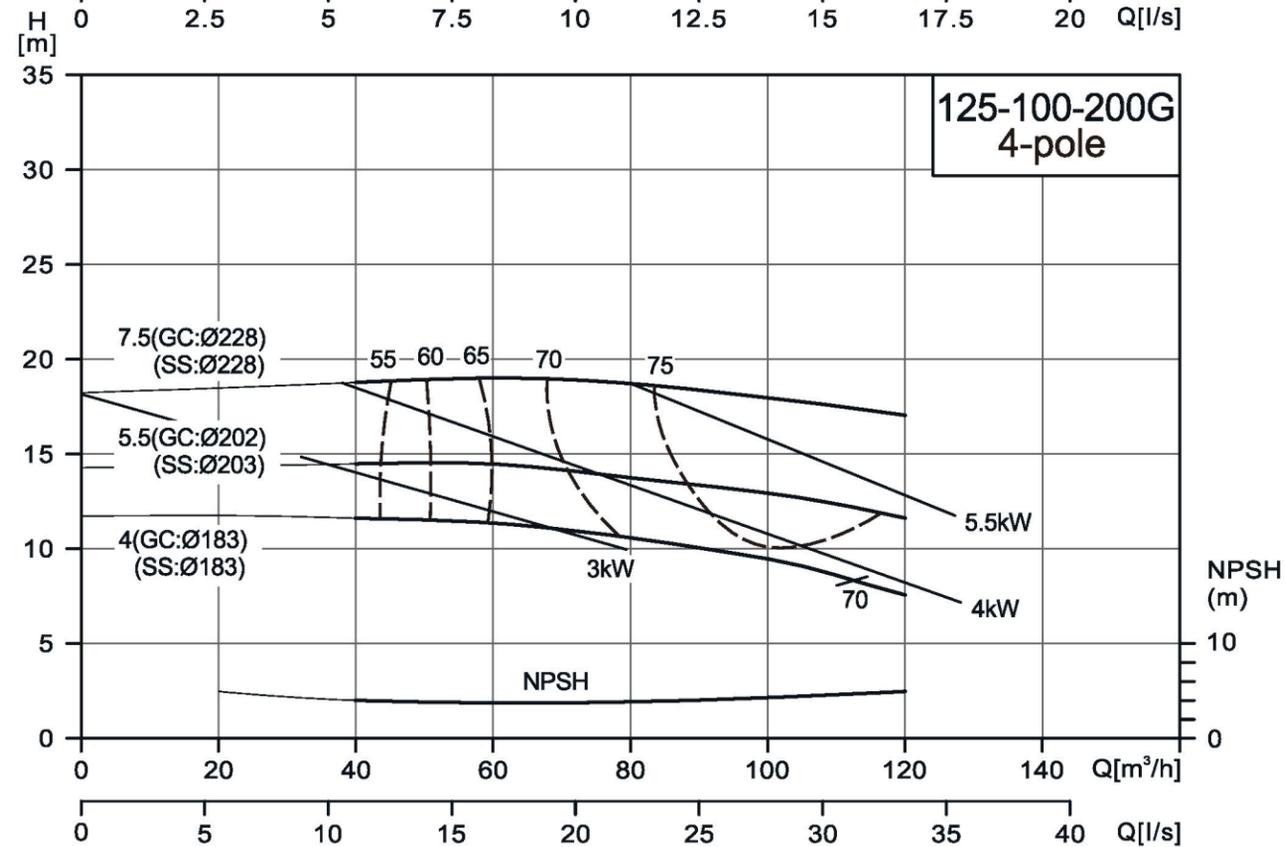
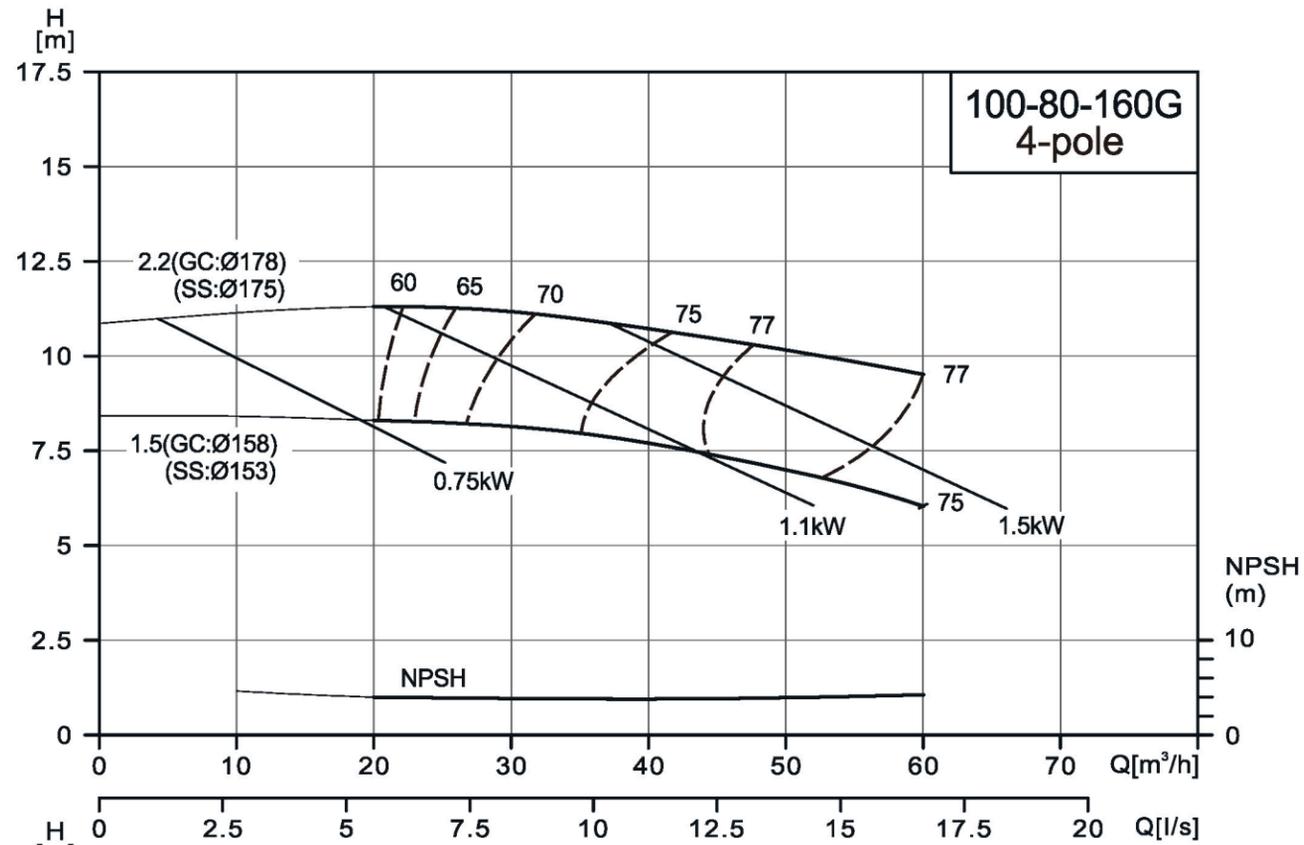
Performance curve

NIS/NISF100-65-250G/100-65-315G



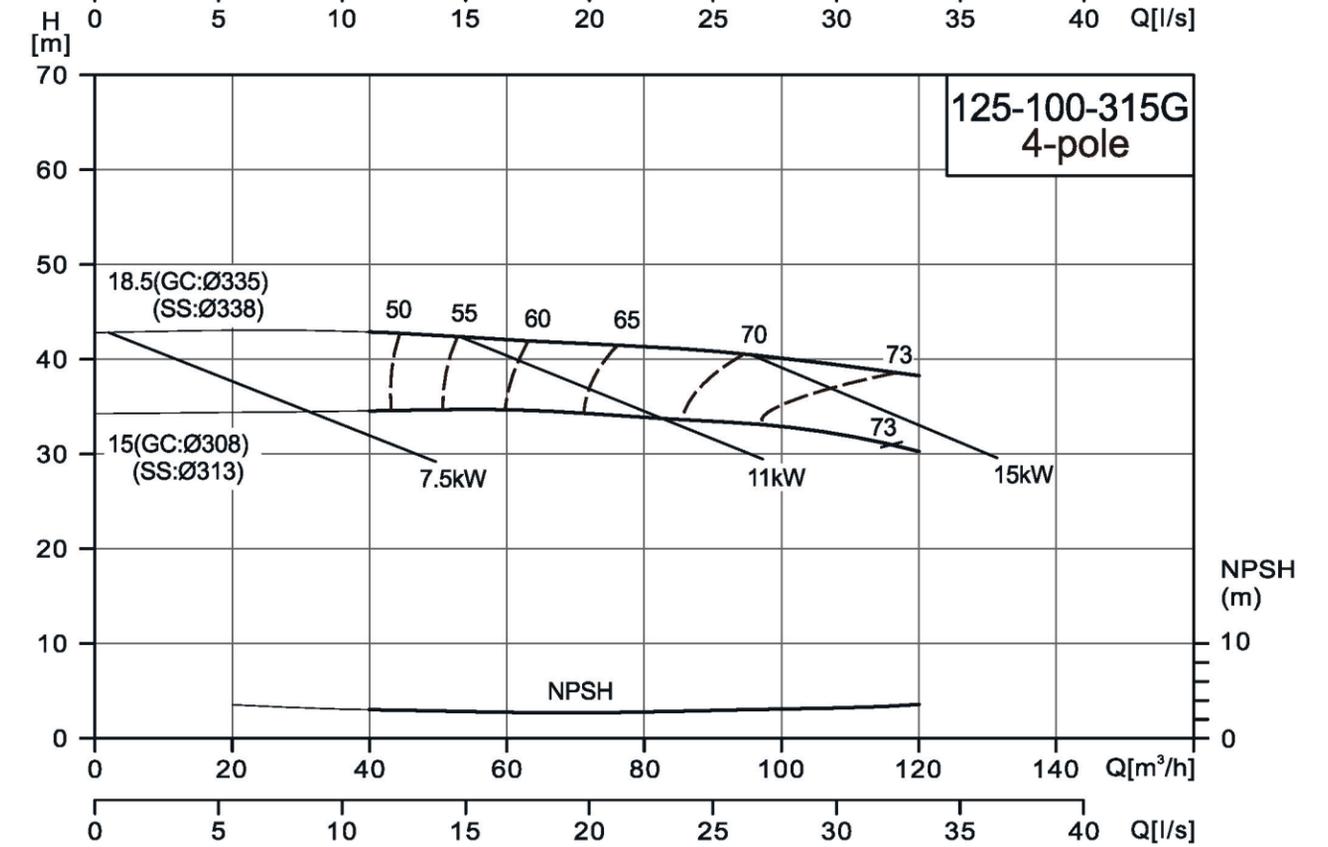
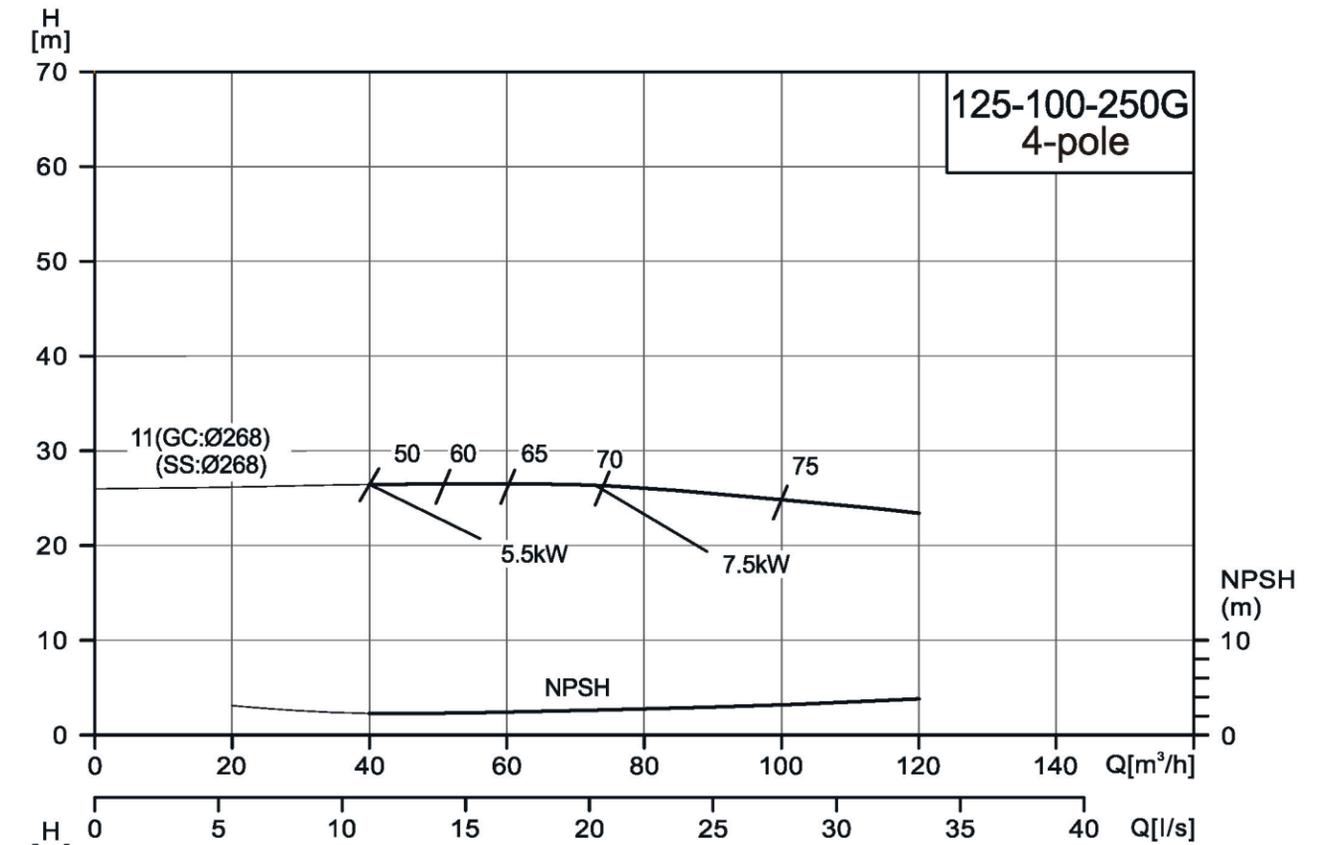
Performance curve

NIS/NISF100-80-160G/125-100-200G



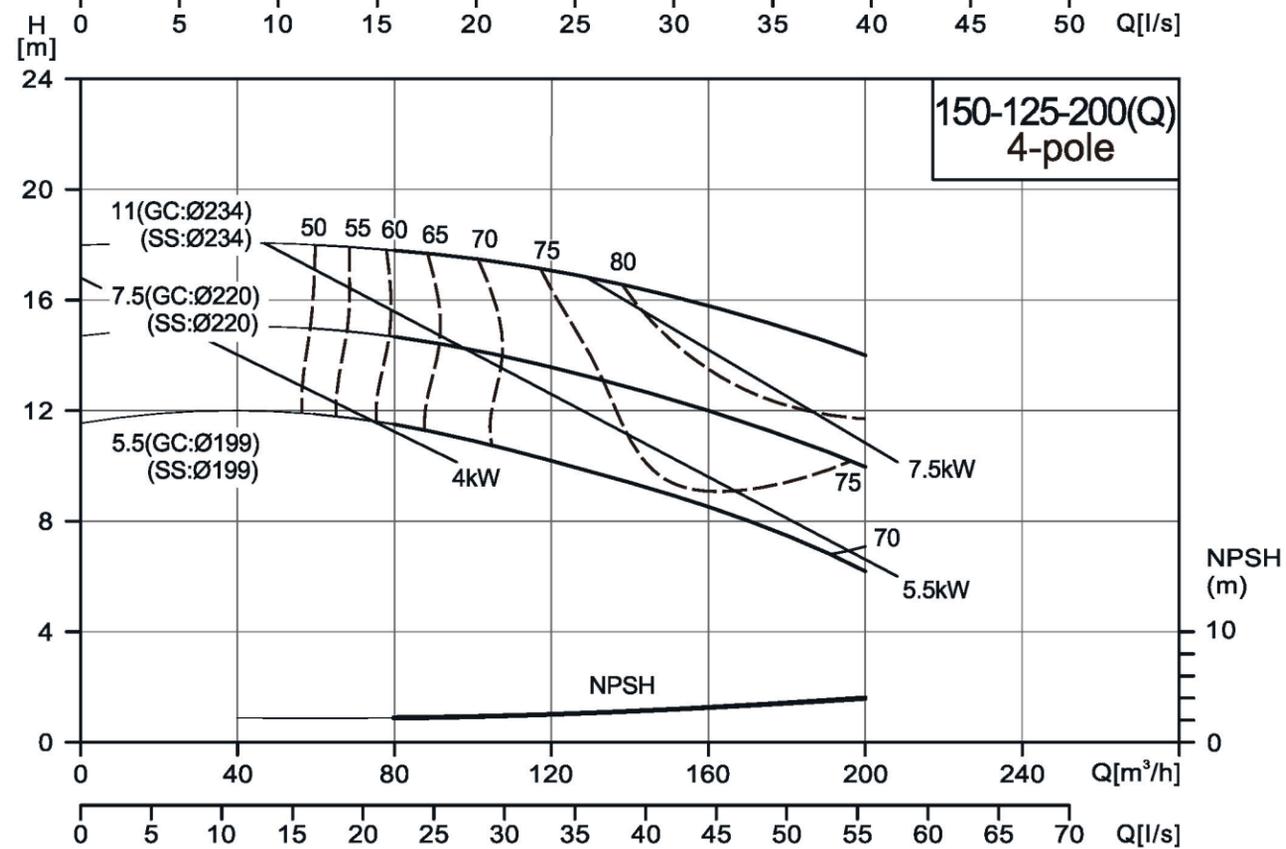
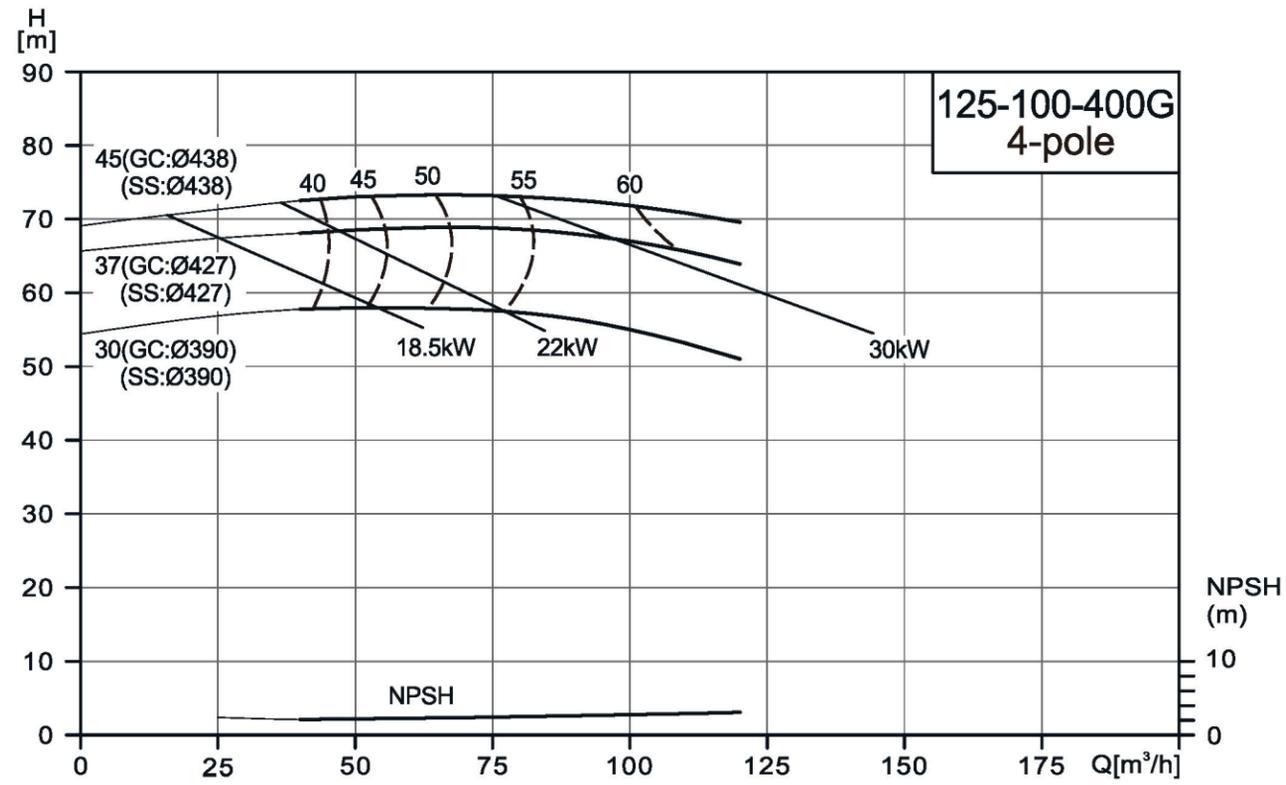
Performance curve

NIS/NISF125-100-250G/125-100-315G



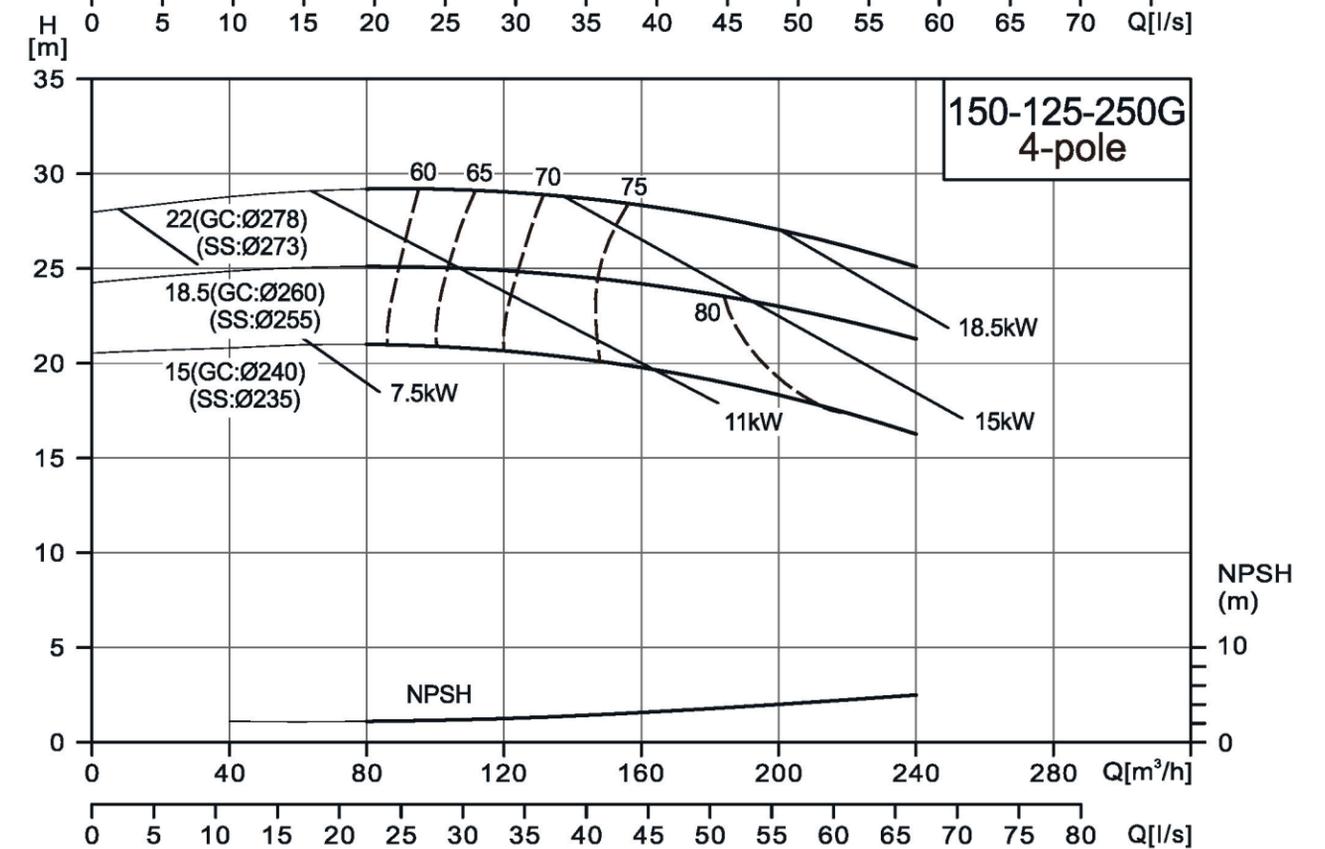
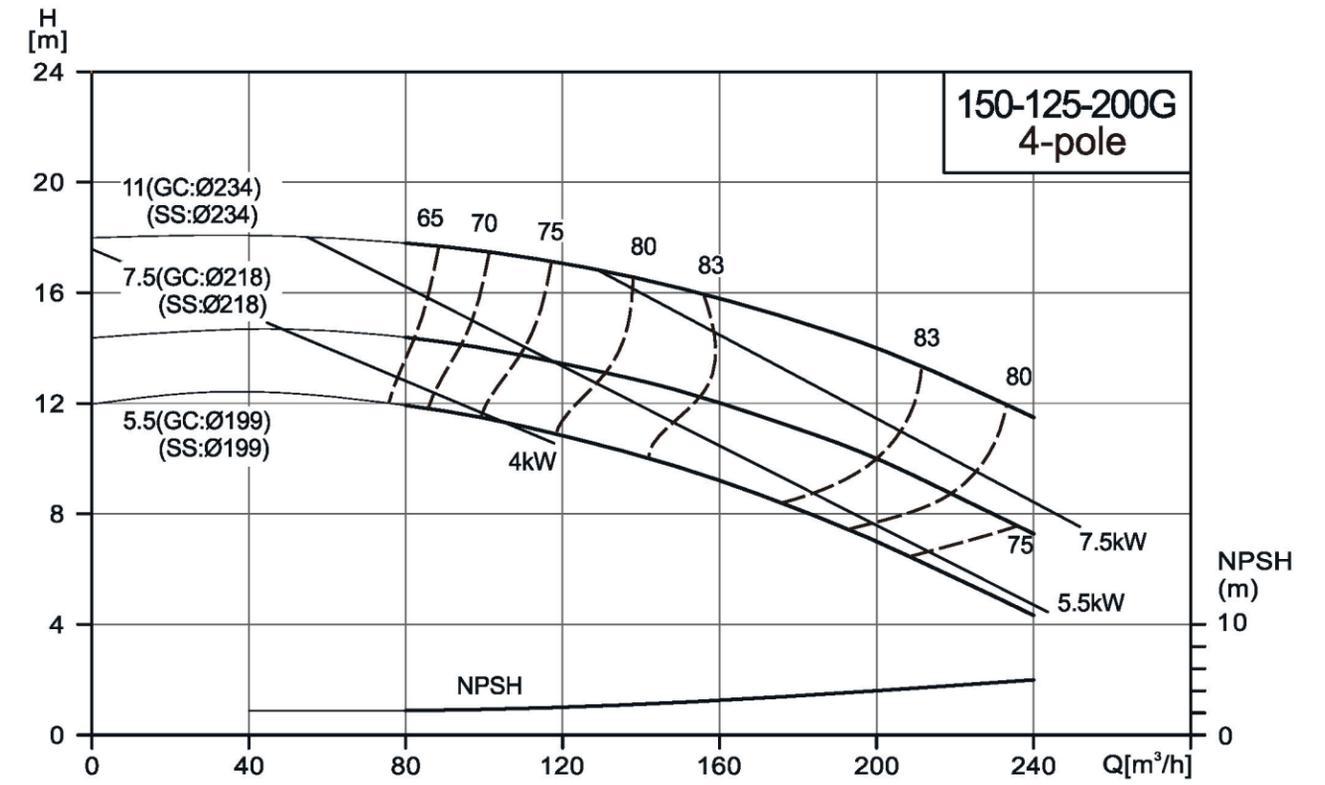
Performance curve

NIS/NISF125-100-400G/150-125-200(Q)



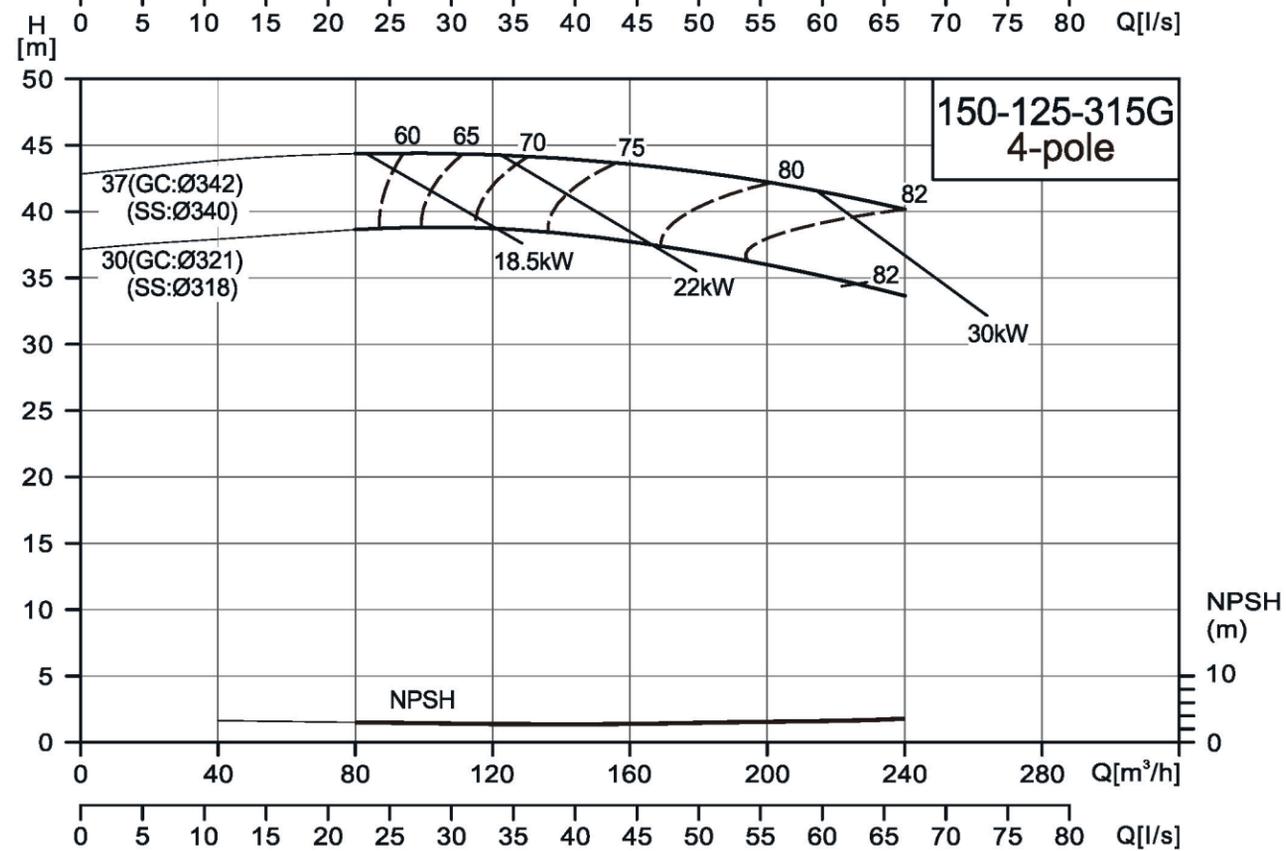
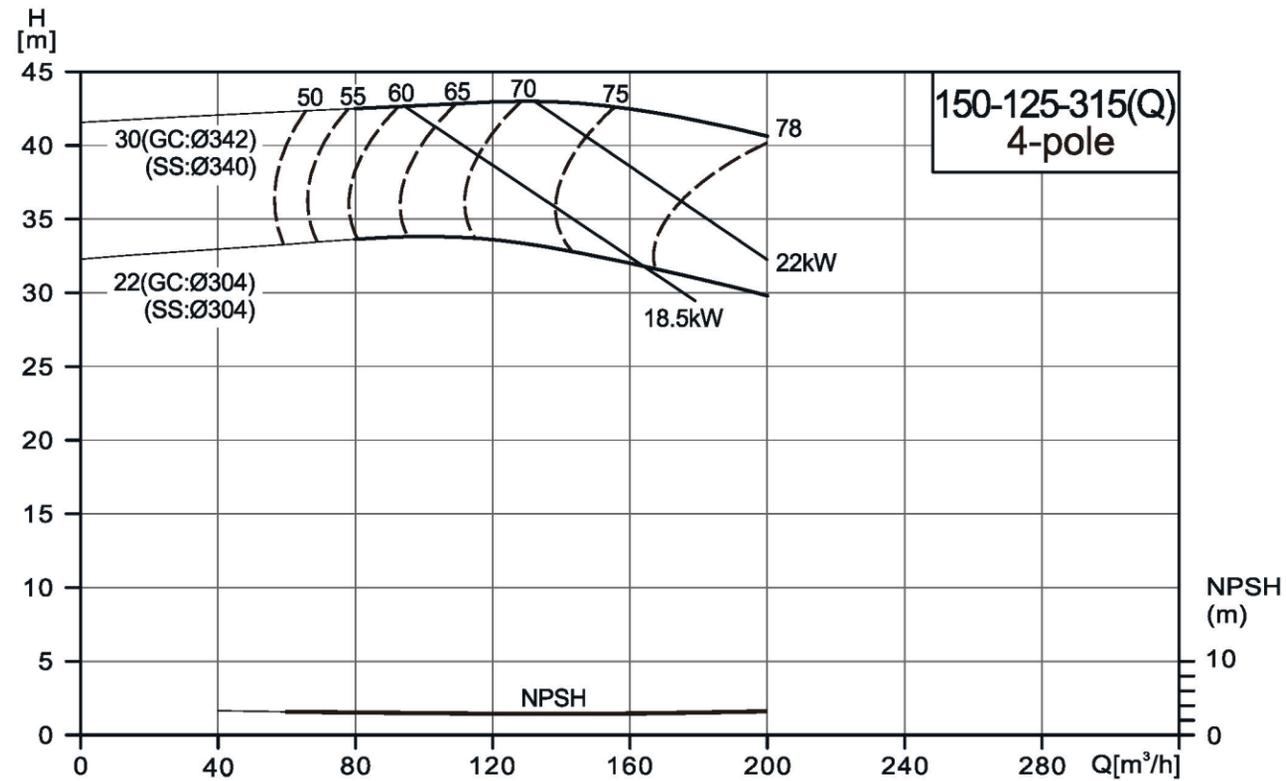
Performance curve

NIS/NISF150-125-200G/150-125-250G



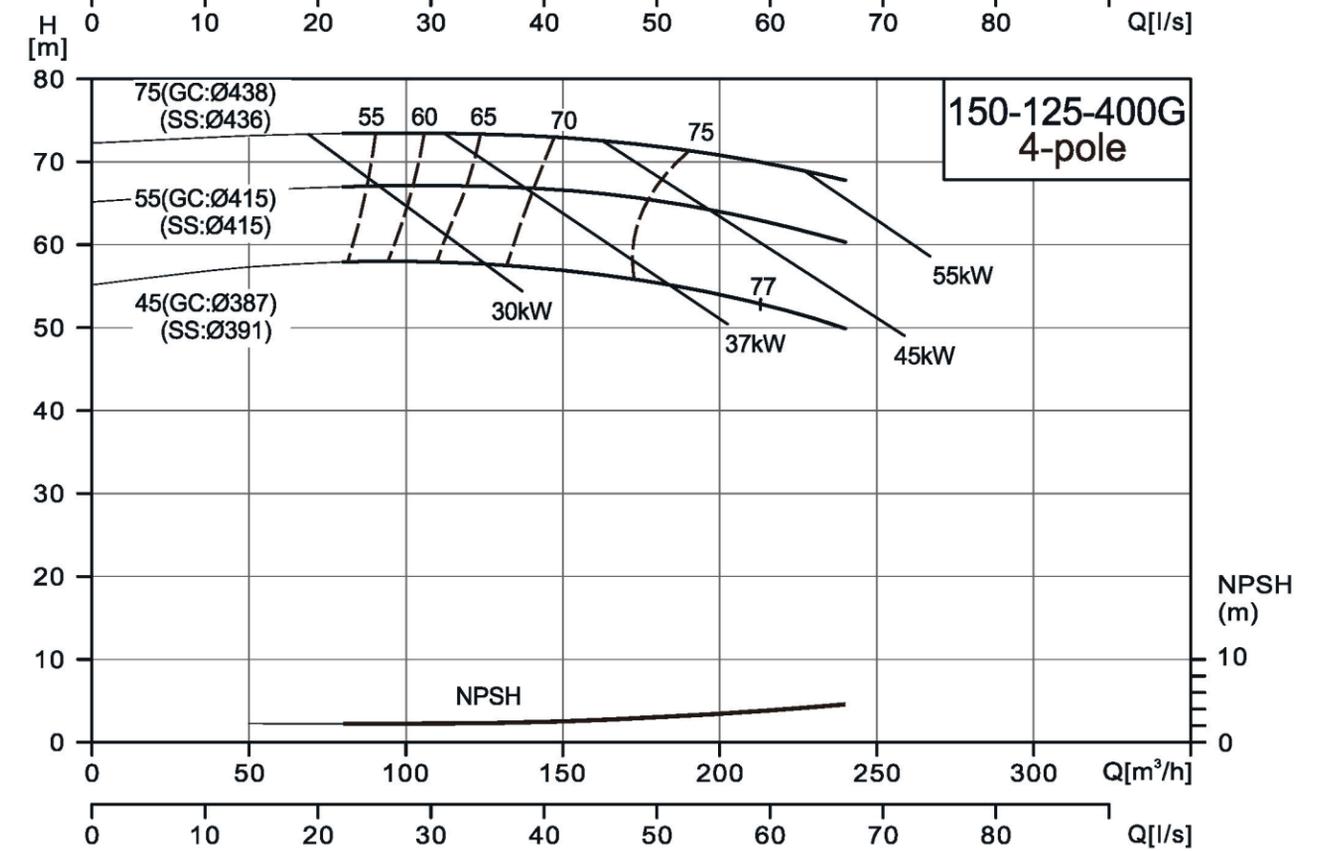
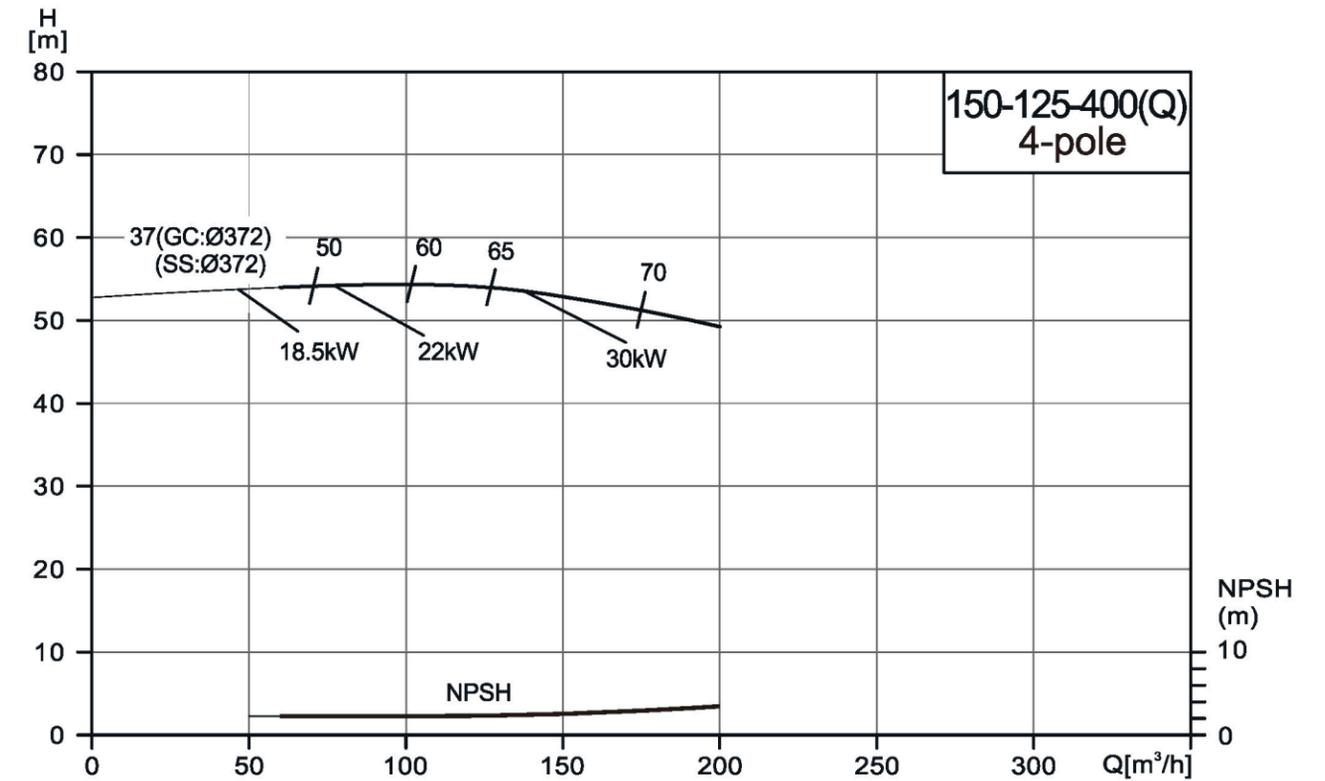
Performance curve

NIS/NISF150-125-315(Q)/150-125-315G



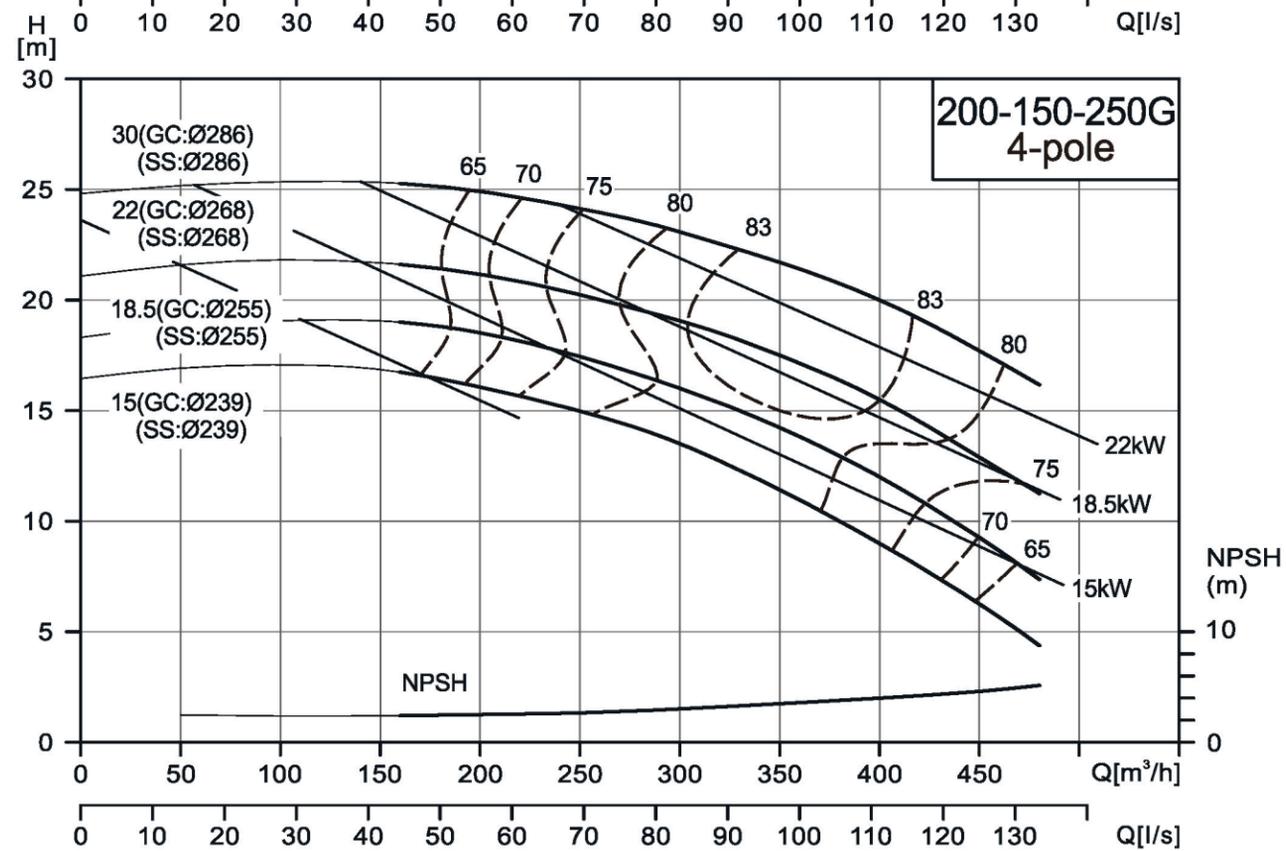
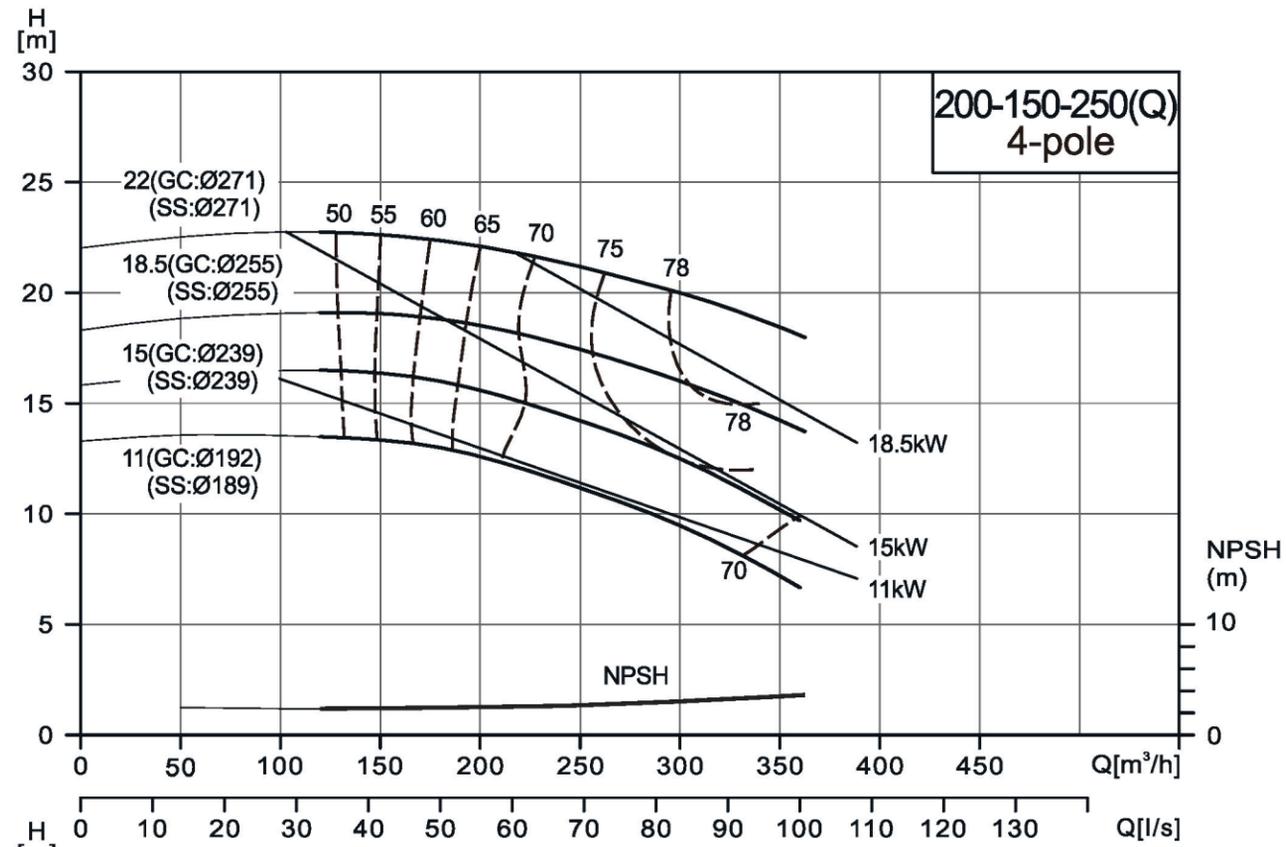
Performance curve

NIS/NISF150-125-400(Q)/150-125-400G



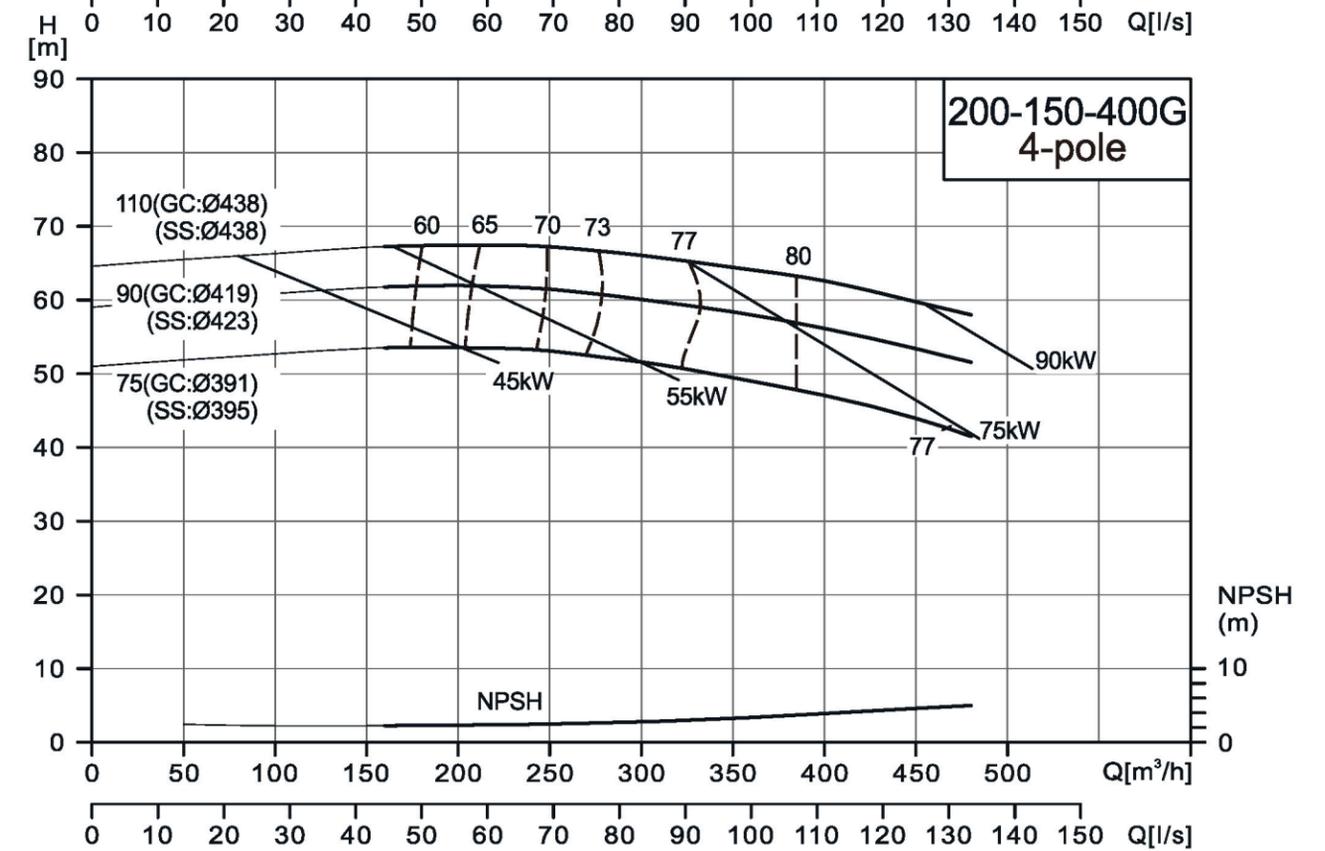
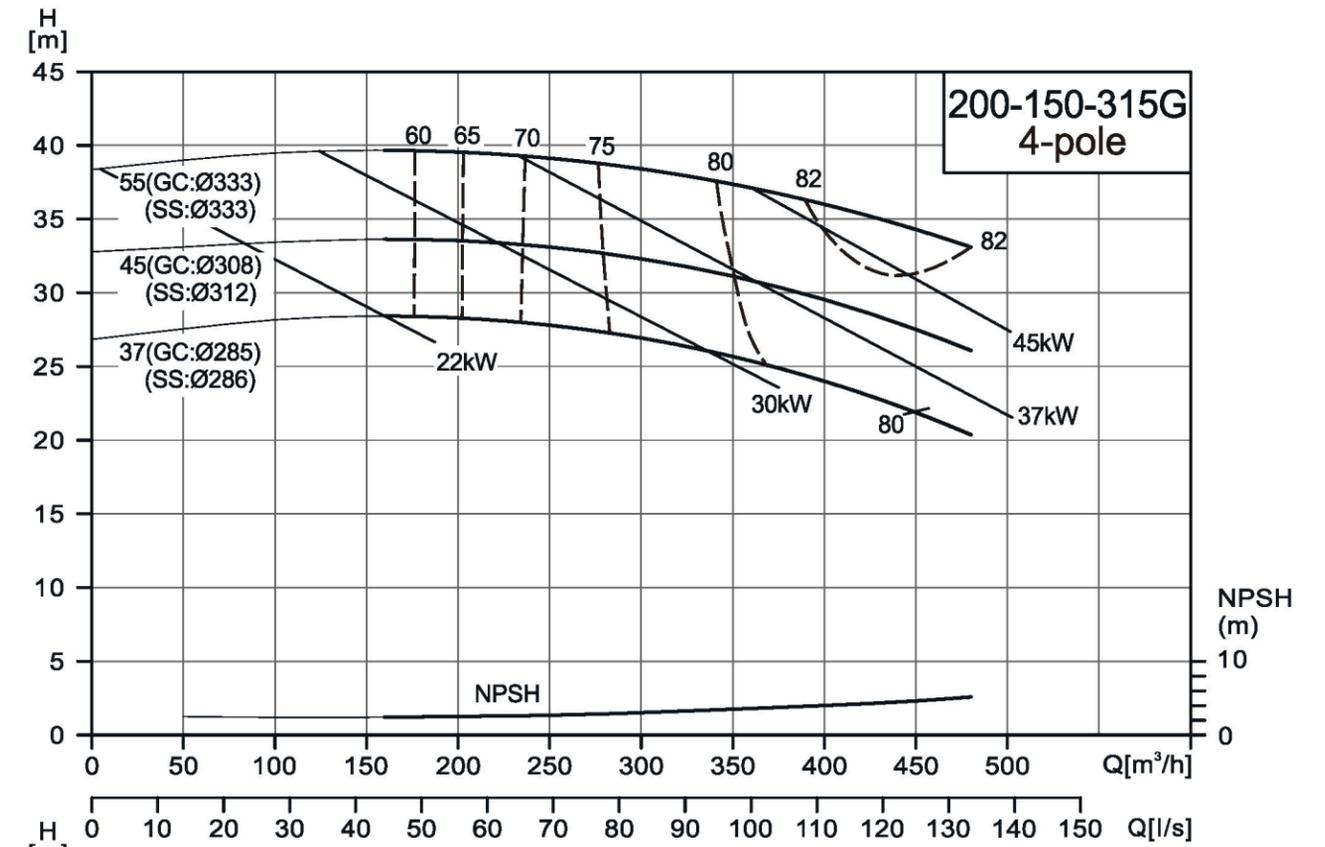
Performance curve

NIS/NISF200-150-250(Q)/200-150-250G

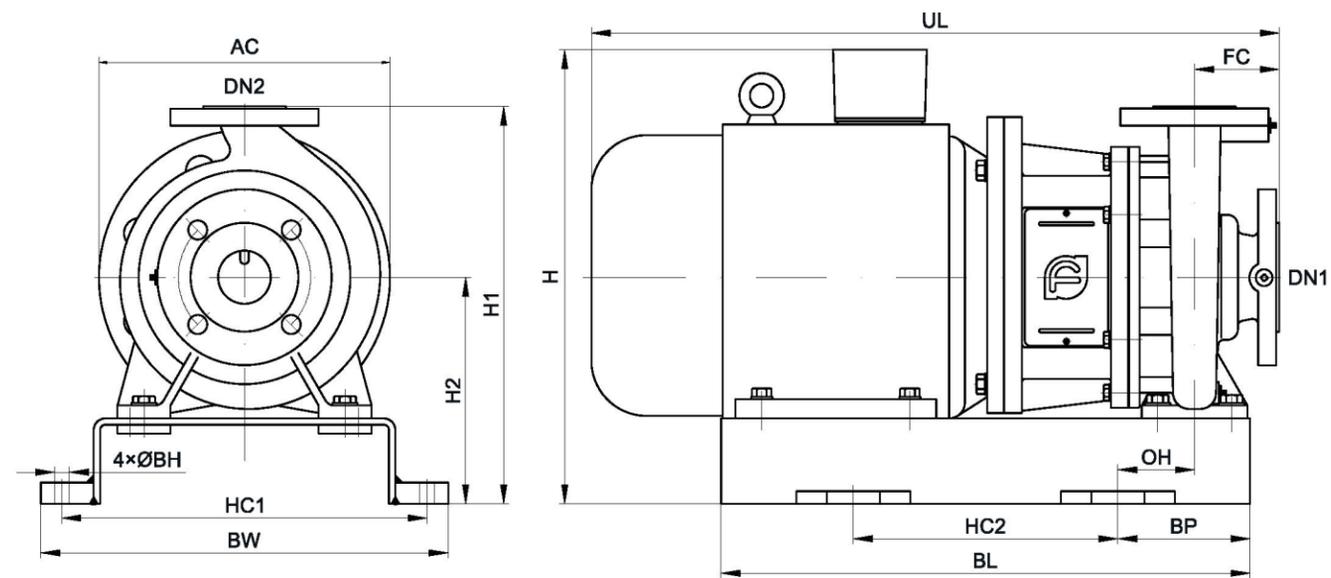


Performance curve

NIS/NISF200-150-315G/200-150-400G



NIS/NISF*G,NIS/NISF*(Q) Dimension drawing



NIS/NISF*G,NIS/NISF*(Q) Dimension table

Model	Power (kW)	2-pole														
		H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
50-32-125G	0.75	294	332	192	306	250	336	450	100	14	45	478	80	50	32	52
	1.1	294	332	192	306	250	336	450	100	14	45	478	80	50	32	53
	1.5	312	332	192	306	250	336	450	100	14	45	518	80	50	32	59
50-32-160G	2.2	332	372	212	306	250	336	450	100	14	47.5	518	80	50	32	68
	3	340	372	212	306	250	336	450	100	14	47.5	558	80	50	32	82
65-50-125G	1.1	294	332	192	306	250	336	450	100	14	45	478	80	65	50	55
	1.5	312	332	192	306	250	336	450	100	14	45	518	80	65	50	60
	2.2	312	332	192	306	250	336	450	100	14	45	518	80	65	50	63
65-50-160G	3	340	372	212	306	250	336	450	100	14	47.5	558	80	65	50	84
	4	392	372	212	306	250	336	450	100	14	47.5	593	80	65	50	92
80-65-125G	2.2	332	372	212	306	250	336	450	100	14	47.5	538	100	80	65	71
	3	340	372	212	306	250	336	450	100	14	47.5	578	100	80	65	85
	4	372	372	212	306	250	336	450	100	14	47.5	613	100	80	65	93
80-65-160G	5.5	408	420	240	335	300	365	540	100	14	47.5	710	100	80	65	123
	7.5	408	420	240	335	300	365	540	100	14	47.5	710	100	80	65	132

NIS/NISF*G,NIS/NISF*(Q) Dimension table

Model	Power (kW)	2-pole														
		H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	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
	37	585	505	280	470	450	500	750	150	18	81.5	967	100	100	65	337
100-65-250G	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
100-80-125G	4	400	420	240	335	300	380	540	100	14	35	615	100	100	80	101
	5.5	408	420	240	335	300	380	540	100	14	35	712	100	100	80	126
	7.5	408	420	240	335	300	380	540	100	14	35	712	100	100	80	134
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
125-100-200G	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
	55	715	630	350	585	550	625	950	200	22	116.5	1156	125	125	100	534
125-100-250G	75	780	660	380	630	600	670	1000	200	22	114	1231	125	125	100	678
	90	780	660	380	630	600	670	1100	250	22	164	1315	140	125	100	738
125-100-315G	110	945	730	415	720	600	760	1100	250	22	164	1545	140	125	100	1170
	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/NISF*G,NIS/NISF*(Q) Dimension drawing

4-pole

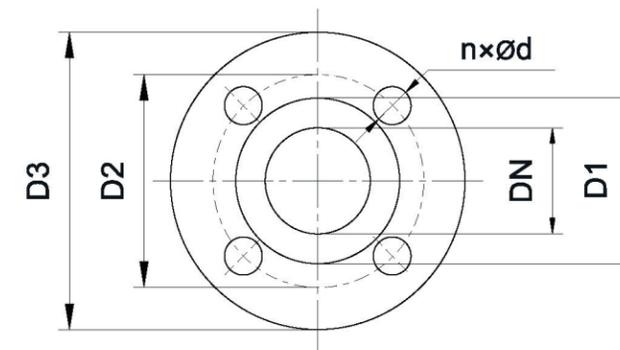
Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
100-65-200G	3	430	485	260	386	300	416	500	100	14	35	646	100	100	65	109
	4	448	485	260	386	300	416	500	100	14	35	641	100	100	65	114
100-65-250G	5.5	493	530	280	430	350	460	550	100	14	20	639	125	100	65	147
	7.5	493	530	280	430	350	460	550	100	18	20	717	125	100	65	166
100-65-315G	11	565	585	305	470	400	500	700	150	18	70	854	125	100	65	249
	15	565	585	305	470	400	500	700	150	18	70	909	125	100	65	270
100-80-160G	1.5	400	440	240	350	250	380	410	105	14	40	581	100	100	80	76
	2.2	410	440	240	350	300	380	500	100	14	35	646	100	100	80	87
125-100-200G	4	468	560	280	430	300	460	500	100	14	20	666	125	125	100	136
	5.5	493	560	280	430	350	460	550	100	18	20	639	125	125	100	152
	7.5	493	560	280	430	350	460	550	100	18	20	717	125	125	100	171
125-100-250G	11	565	585	305	470	400	500	700	150	18	70	924	140	125	100	258
125-100-315G	15	590	645	330	470	400	500	700	150	18	69	869	140	125	100	281
	18.5	605	645	330	470	450	500	750	150	18	69	954	140	125	100	317
	30	665	715	360	580	500	620	800	150	22	50	1028	140	125	100	444
125-100-400G	37	715	735	380	585	550	625	950	200	22	100	1071	140	125	100	523
	45	715	735	380	585	550	625	950	200	22	100	1101	140	125	100	552
	5.5	543	630	330	470	350	500	570	100	18	20	673	140	150	125	168
150-125-200(Q)	7.5	543	630	330	470	350	500	570	100	18	20	751	140	150	125	180
	11	590	630	330	470	400	500	700	150	18	69	869	140	150	125	235
150-125-200G	5.5	543	630	330	470	350	500	570	100	18	20	673	140	150	125	168
	7.5	543	630	330	470	350	500	570	100	18	20	751	140	150	125	180
	11	590	630	330	470	400	500	700	150	18	69	869	140	150	125	235
150-125-250G	15	590	685	330	470	400	500	700	150	18	69	924	140	150	125	284
	18.5	605	685	330	470	450	500	750	150	18	69	954	140	150	125	315
	22	605	685	330	470	450	500	750	150	18	69	994	140	150	125	333
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
150-125-400G	45	750	815	415	585	550	625	950	200	22	100	1103	140	150	125	561
	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

NIS/NISF*G,NIS/NISF*(Q) Dimension drawing

4-pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
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
	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
	22	635	735	360	580	500	620	800	150	22	50	1026	160	200	150	360
200-150-315G	30	665	735	360	580	500	620	800	150	22	50	1048	160	200	150	426
	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
200-150-400G	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/NISF*G,NIS/NISF*(Q) Flange



NIS/NISF*G,NIS/NISF*(Q) Flange dimension

DN	D1	D2	D3	n	d
32	78	100	140	4	18
50	102	125	165	4	18
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

2-pole

No.	Model	Q [m³/h]	H [m]	Motor [kW]	n [r/min]		
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	25	48	7.5	2900		
7	65-40-200/11		62	11	2950		
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			
12	65-40-315/22		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		2900	
17	65-50-160/5.5		36	5.5			
18	65-50-160/7.5		42	7.5			
19	80-50-200/11		50	44		11	2950
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	84		30			
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

2-pole

No.	Model	Q [m³/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		80	45		
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		148	110		
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		40	22		
46	125-100-200/30		200	34		30
47	125-100-200/37			41		37
48	125-100-200/45			48		45
49	125-100-200/55			55		55
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	100		110		
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	144	160			

NISO, NIS, NISF Product range

4-pole

No.	Model	Q [m³/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	
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		34	4	
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	10.5	1.1		
14	80-50-200/1.5	25	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		21	4	
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		6	0.75	
22	80-65-160/1.1		8	1.1	
23	80-65-160/1.5		10.5	1.5	
24	100-65-200/3	50	11.5	3	
25	100-65-200/4		14	4	
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		32	11	
30	100-65-315/15		40	15	

NISO, NIS, NISF Product range

4-pole

No.	Model	Q [m³/h]	H [m]	Motor [kW]	n [r/min]
31	100-80-160/1.5	50	6.5	1.5	1450
32	100-80-160/2.2		9	2.2	
33	100-80-160/3		10.5	3	
34	125-80-400/15		39	15	1480
35	125-80-400/18.5		45	18.5	
36	125-80-400/22		50	22	
37	125-80-400/30	60	30		
38	125-80-400/37	67	37		
39	125-100-200/4	100	9	4	1450
40	125-100-200/5.5		11.5	5.5	
41	125-100-200/7.5		14	7.5	
42	125-100-200/11		16.5	11	1480
43	125-100-250/15		25	15	
44	125-100-315/11		23	11	
45	125-100-315/18.5		32	18.5	
46	125-100-315/22		36	22	
47	125-100-315/30		40	30	
48	125-100-400/30		50	30	
49	125-100-400/37	58	37		
50	125-100-400/45	65	45		
51	150-125-250/11	200	12.5	11	1480
52	150-125-250/15		16	15	
53	150-125-250/18.5		20	18.5	
54	150-125-250/22		24	22	
55	150-125-315/30		32	30	
56	150-125-315/37		39	37	
57	150-125-400/45		50	45	
58	150-125-400/55		57	55	
59	150-125-400/75		68	75	

NISO, NIS, NISF Product range

4-pole

No.	Model	Q [m ³ /h]	H [m]	Motor [kW]	n [r/min]
60	200-150-315/37	400	23	37	1480
61	200-150-315/45		27	45	
62	200-150-315/55		32	55	
63	200-150-315/75		38	75	
64	200-150-400/75		43	75	
65	200-150-400/90		50	90	
66	200-150-400/110		62	110	
67	250-200-250/22*		500	12.5	
68	250-200-250/30*	16.5		30	
69	250-200-315/37	20		37	
70	250-200-315/45	23		45	
71	250-200-250/37*	630	17	37	
72	250-200-250/45*		20.5	45	
73	250-200-315/55		24	55	
74	250-200-315/75		32	75	
75	250-200-400/90		37	90	
76	250-200-400/110		44	110	
77	250-200-400/132		53	132	
78	250-200-400/160		60	160	
79	300-250-250(Q)/37*	800	11.5	37	
80	300-250-250(Q)/45*		15	45	
81	300-250-250(Q)/55*		18.5	55	
82	300-250-315(Q)/75		26	75	
83	300-250-315(Q)/90		32	90	
84	300-250-315(Q)/110		35	110	
85	300-250-400(Q)/110		38	110	
86	300-250-400(Q)/132		45	132	
87	300-250-400(Q)/160		53	160	
88	300-250-400(Q)/200		63	200	

NISO, NIS, NISF Product range

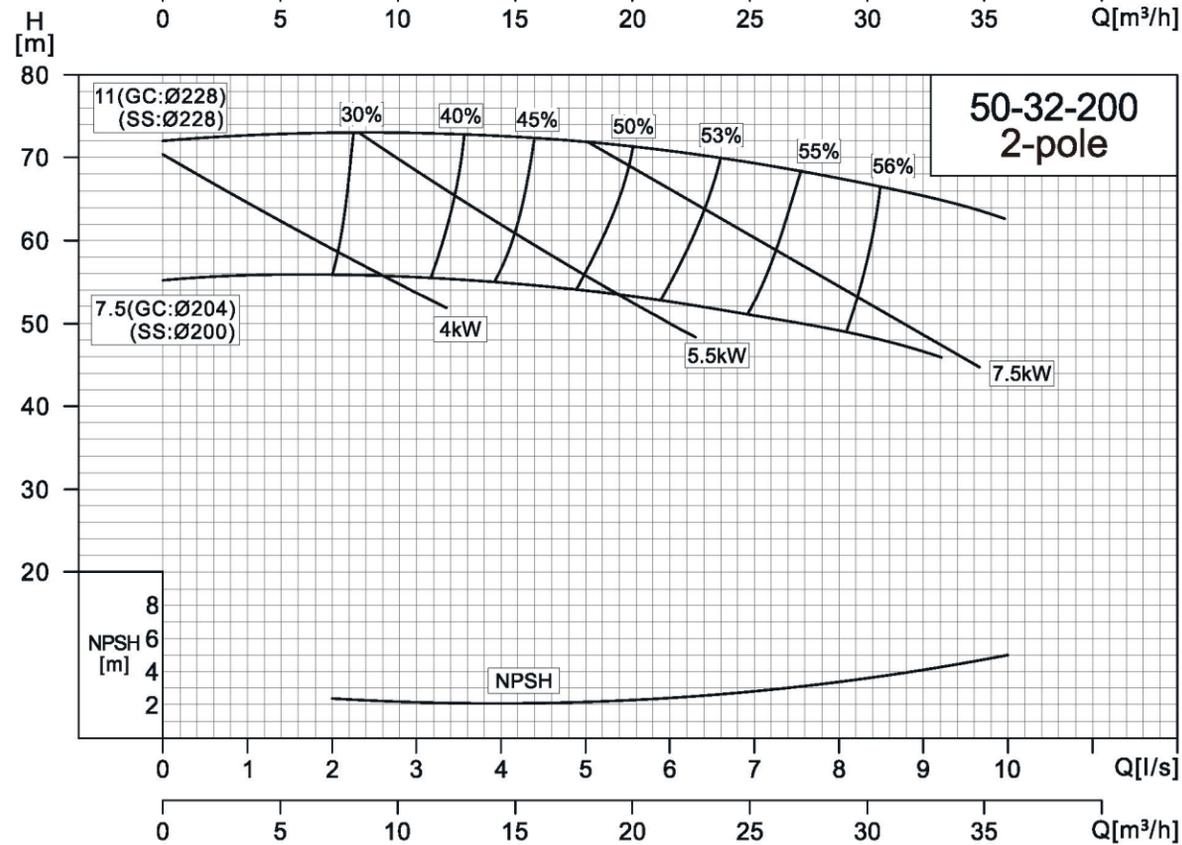
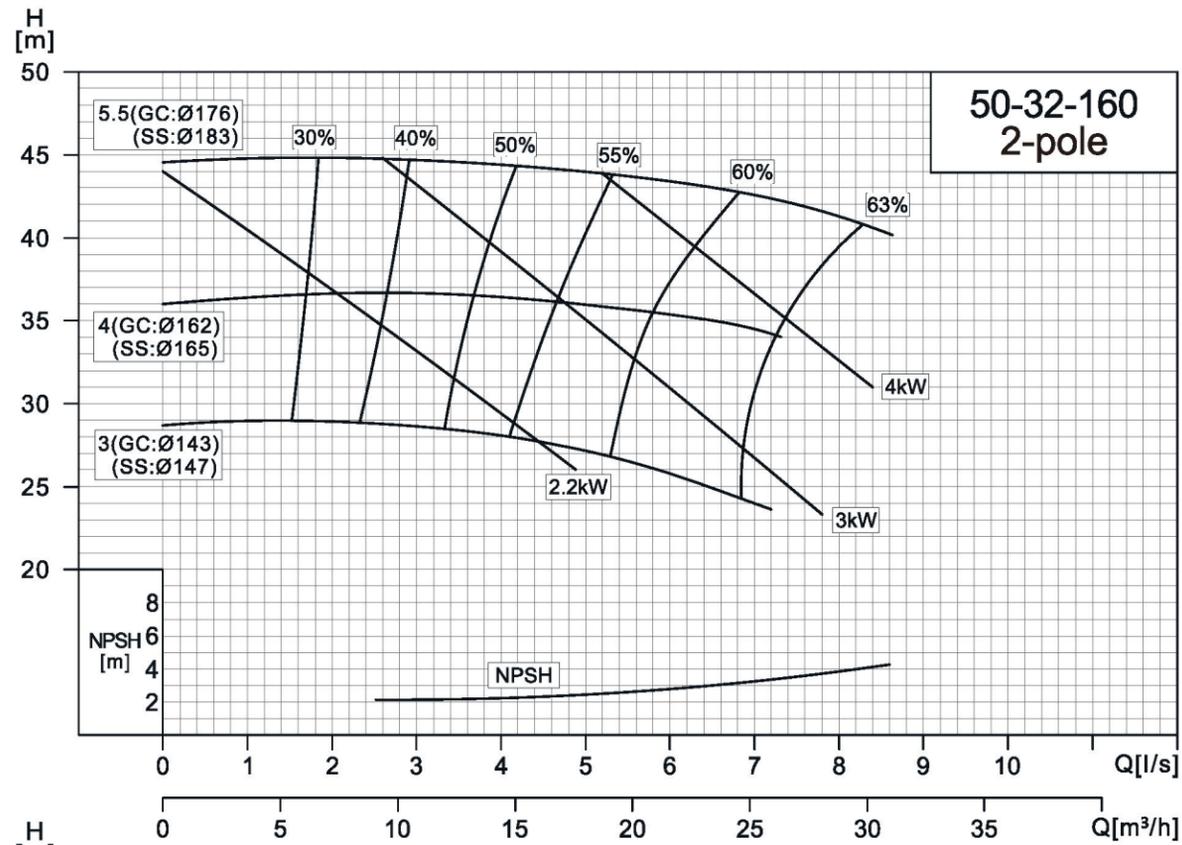
4-pole

No.	Model	Q [m ³ /h]	H [m]	Motor [kW]	n [r/min]
89	300-250-250/45*	1000	11	45	1480
90	300-250-250/55*		14	55	
91	300-250-250/75*		20.5	75	
92	300-250-315/75		20	75	
93	300-250-315/90		25	90	
94	300-250-315/110		31	110	
95	300-250-400/132		37	132	
96	300-250-400/160		45	160	
97	300-250-400/200		50	200	
98	350-300-250/75*		1200	17	
99	350-300-250/90*	21.5		90	
100	350-300-250/110*	26		110	
101	350-300-250/132*	31		132	
102	350-300-315/132*	32.5		132	
103	350-300-315/160*	38.5		160	
104	350-300-315/185*	44.5		185	
105	350-300-315/200*	46	200		

Note: Model with **only has NIS/NISF pump structure.

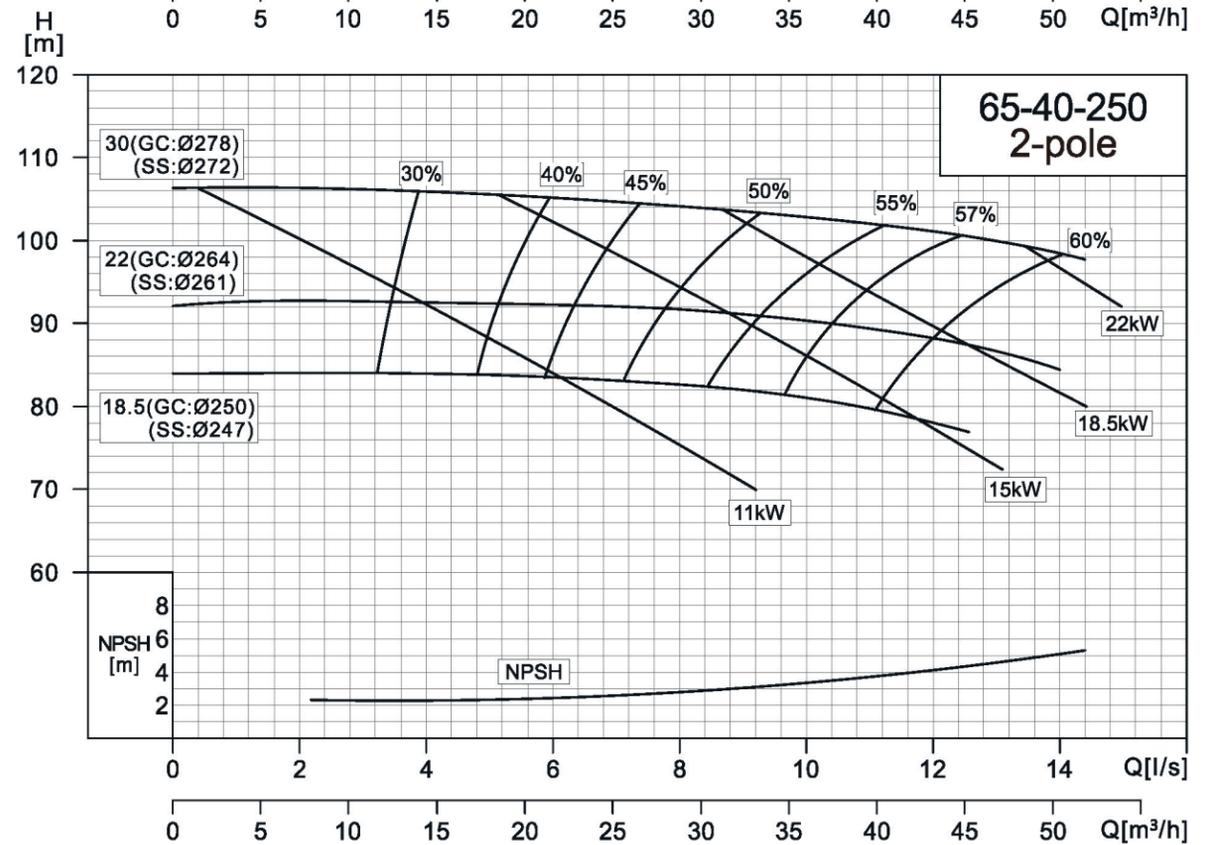
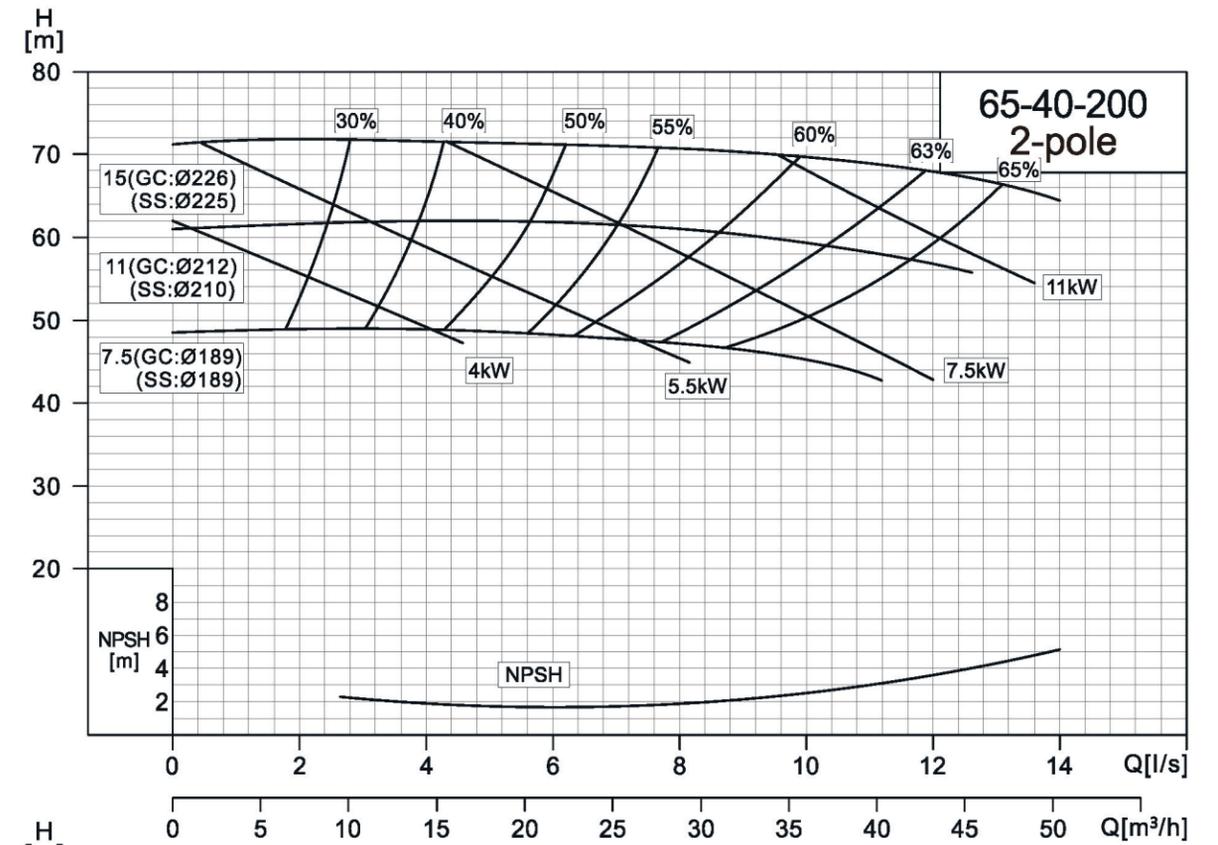
Performance curve

NISO,NIS,NISF50-32-160/50-32-200



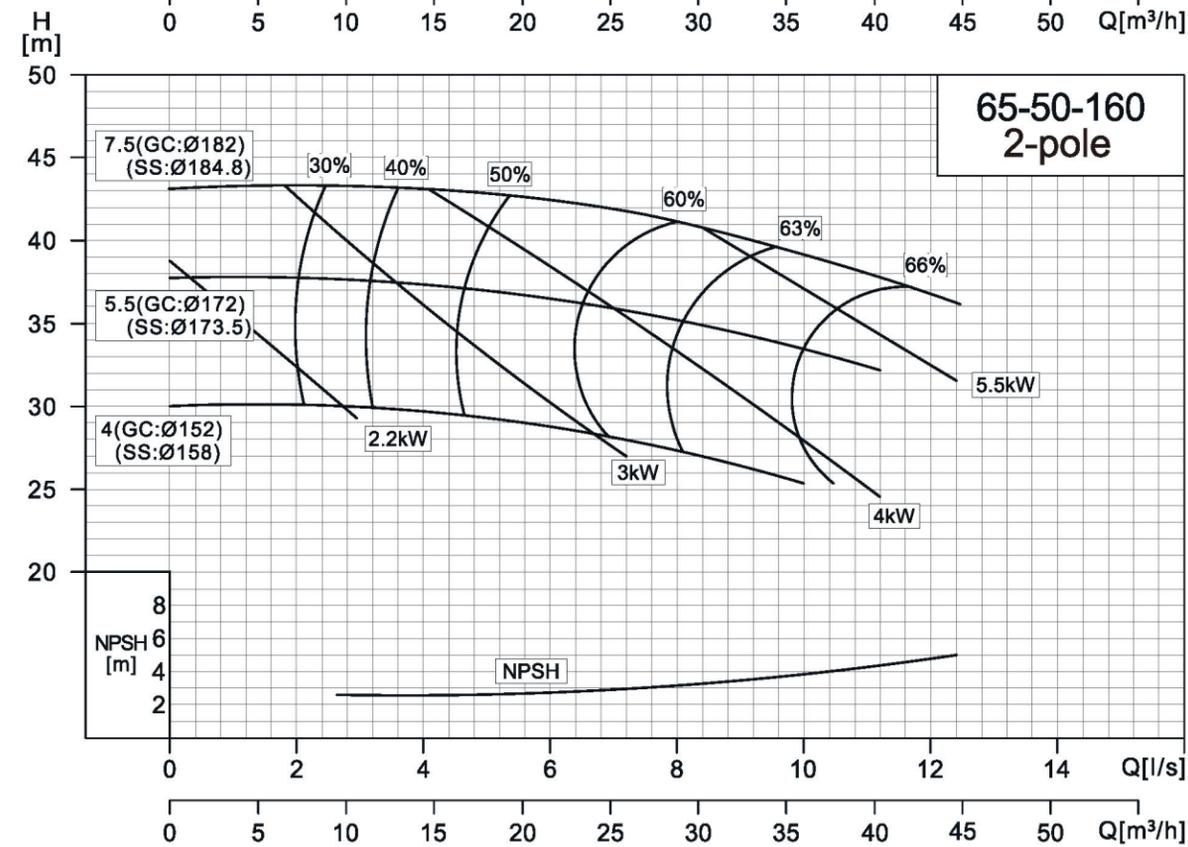
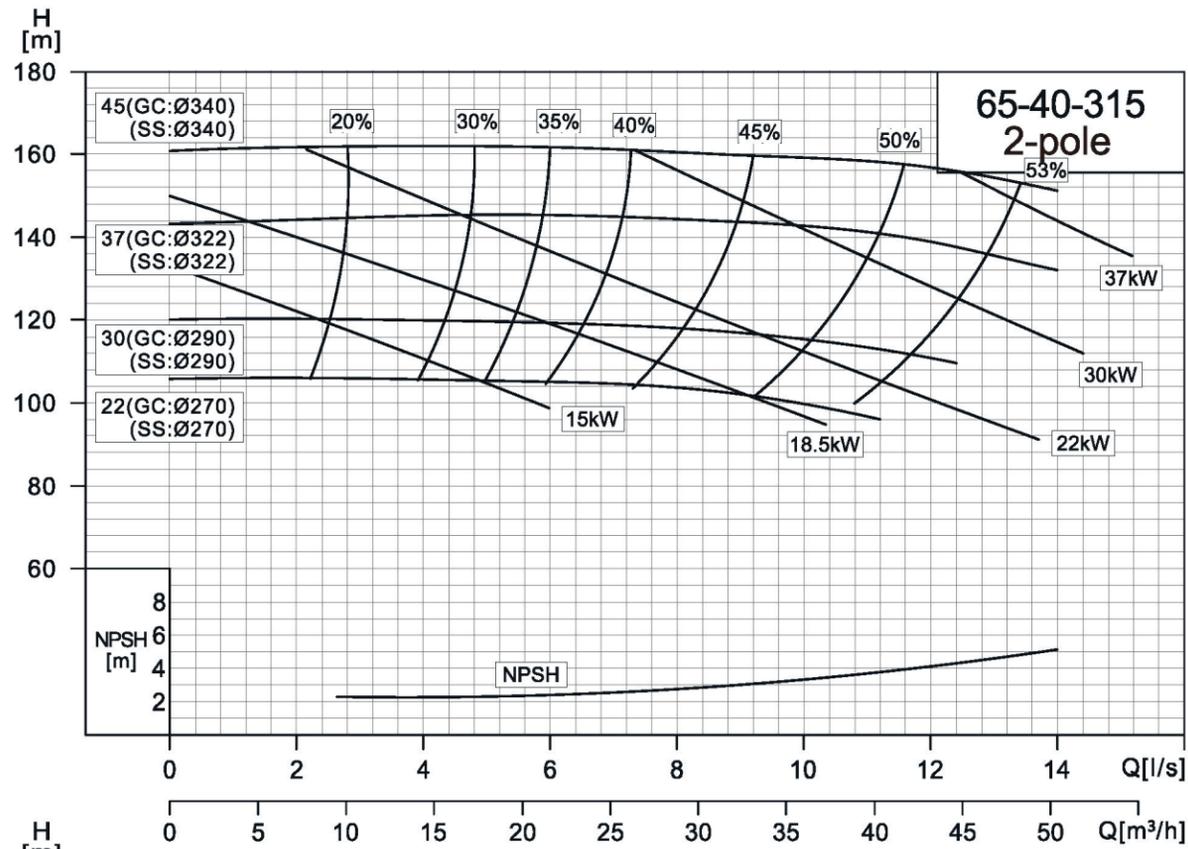
Performance curve

NISO,NIS,NISF65-40-200/65-40-250



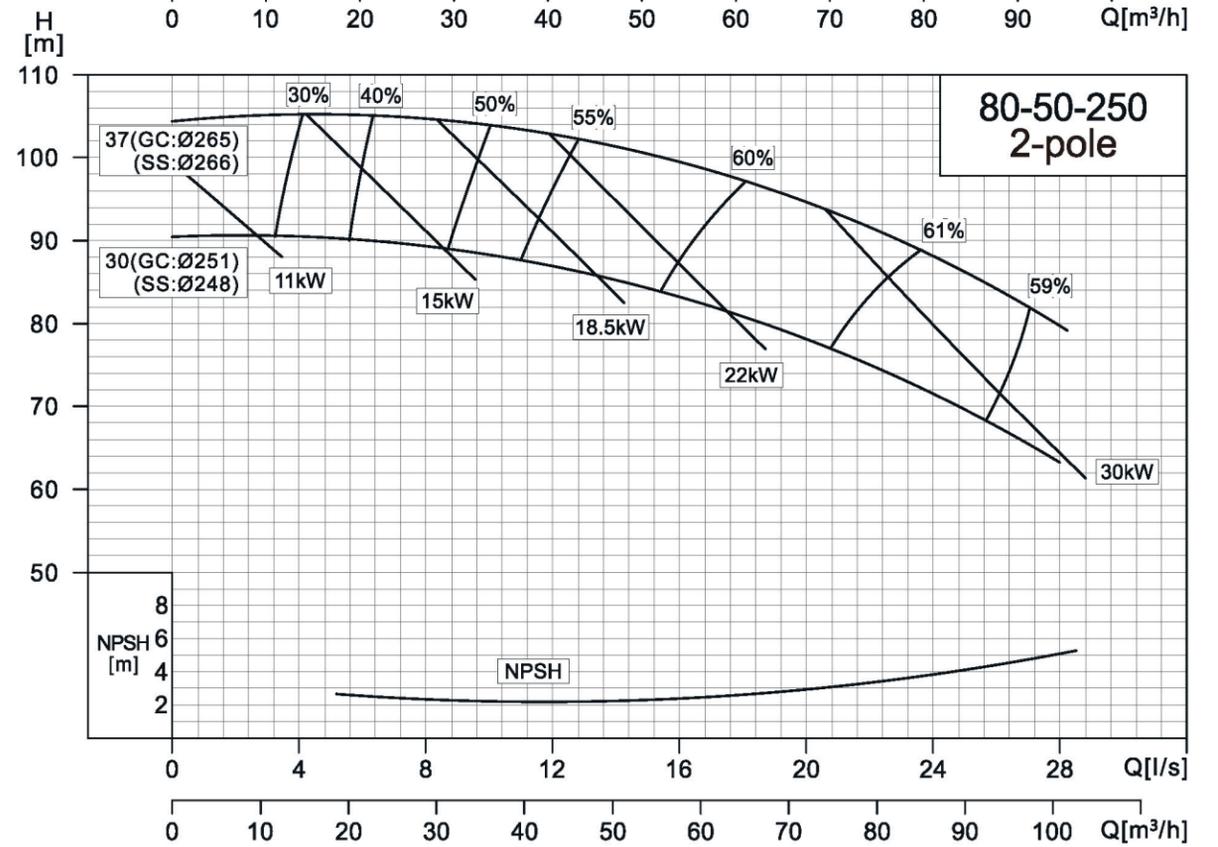
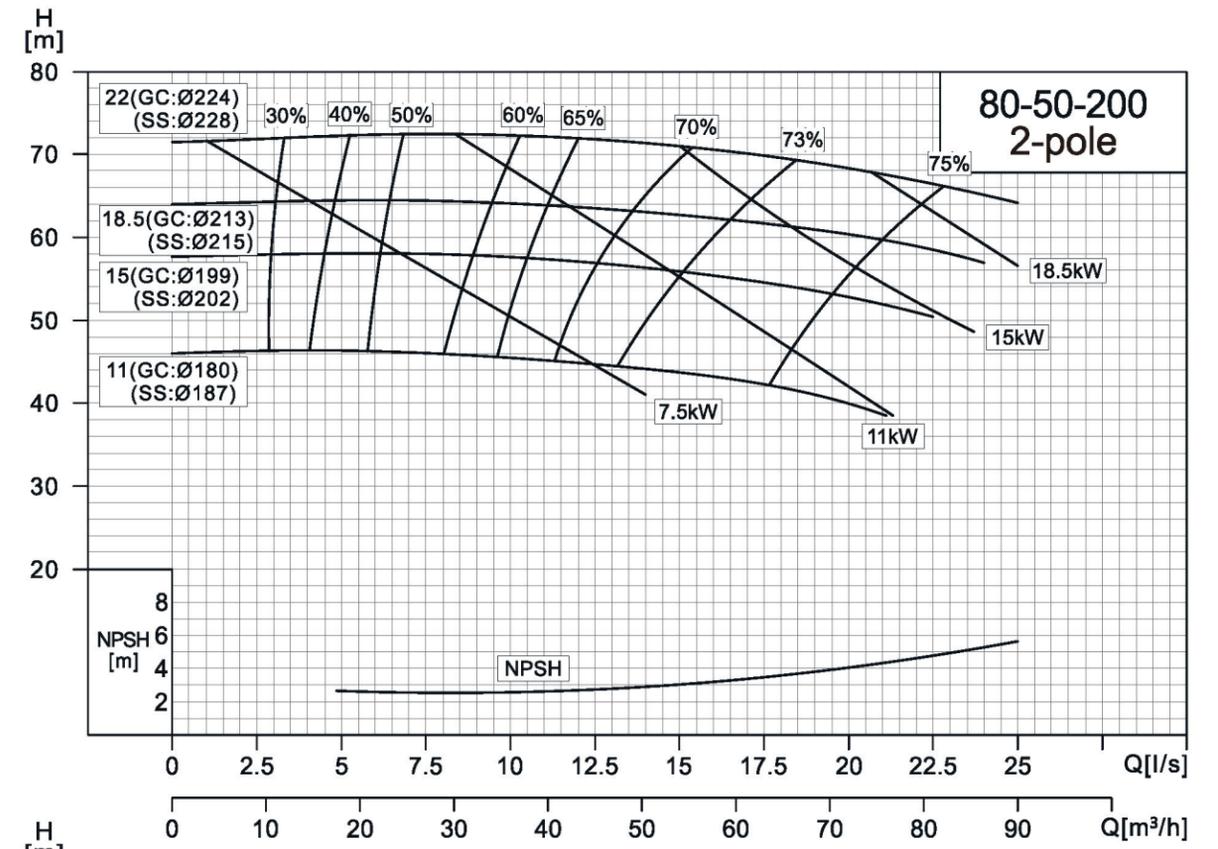
Performance curve

NISO,NIS,NISF65-40-315/65-50-160



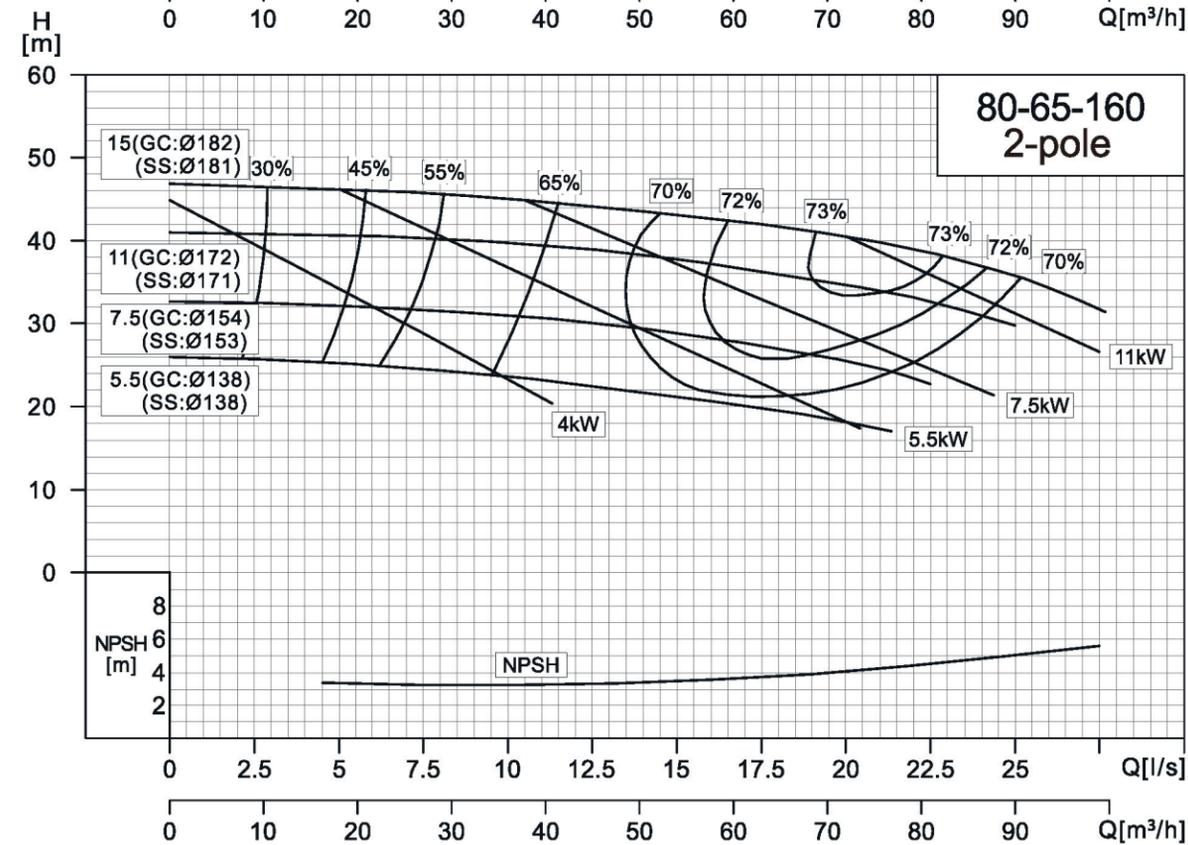
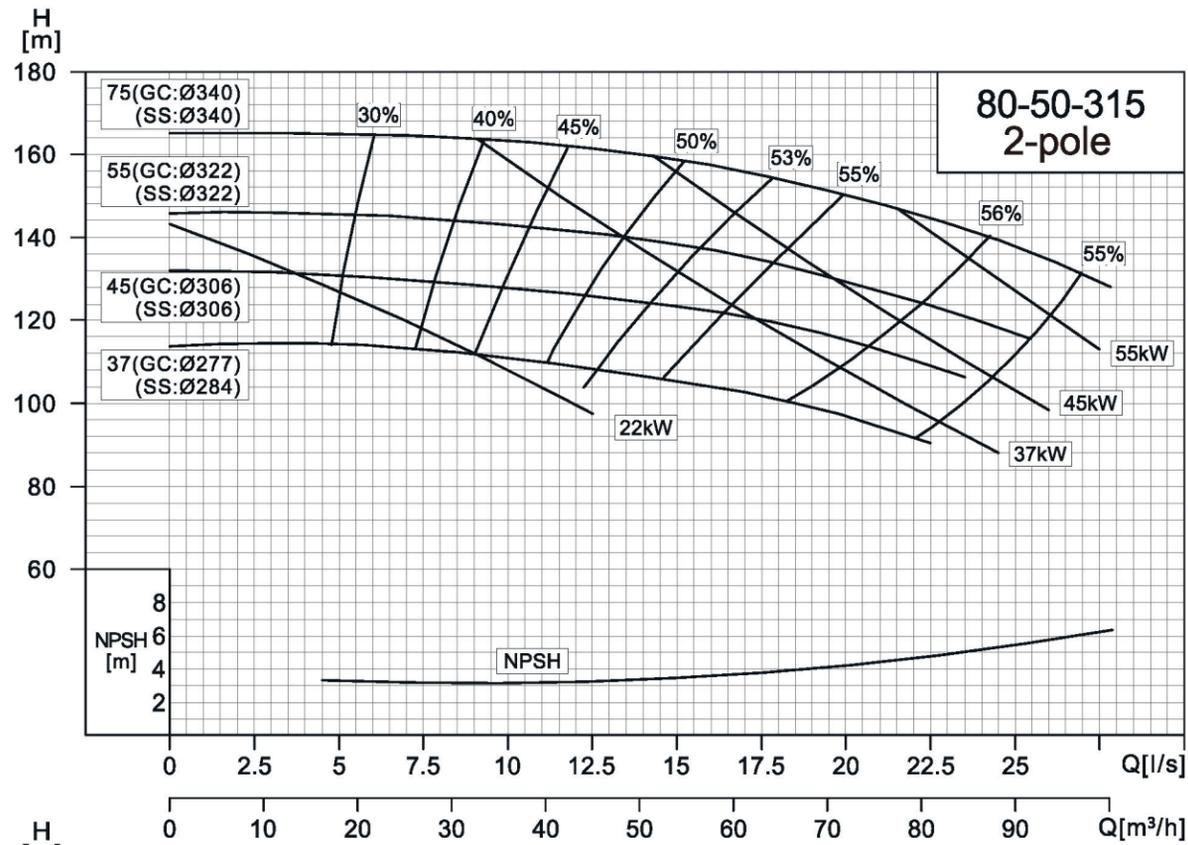
Performance curve

NISO,NIS,NISF80-50-200/80-50-250



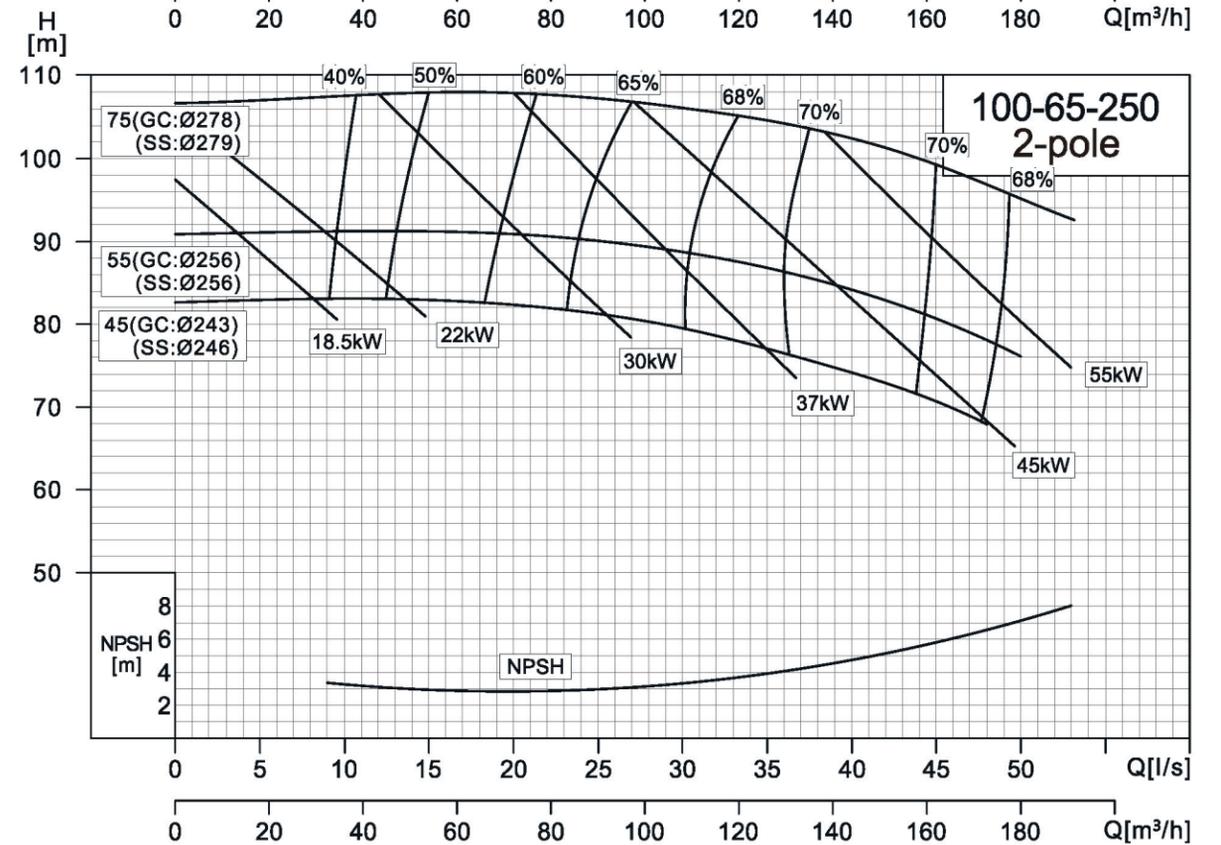
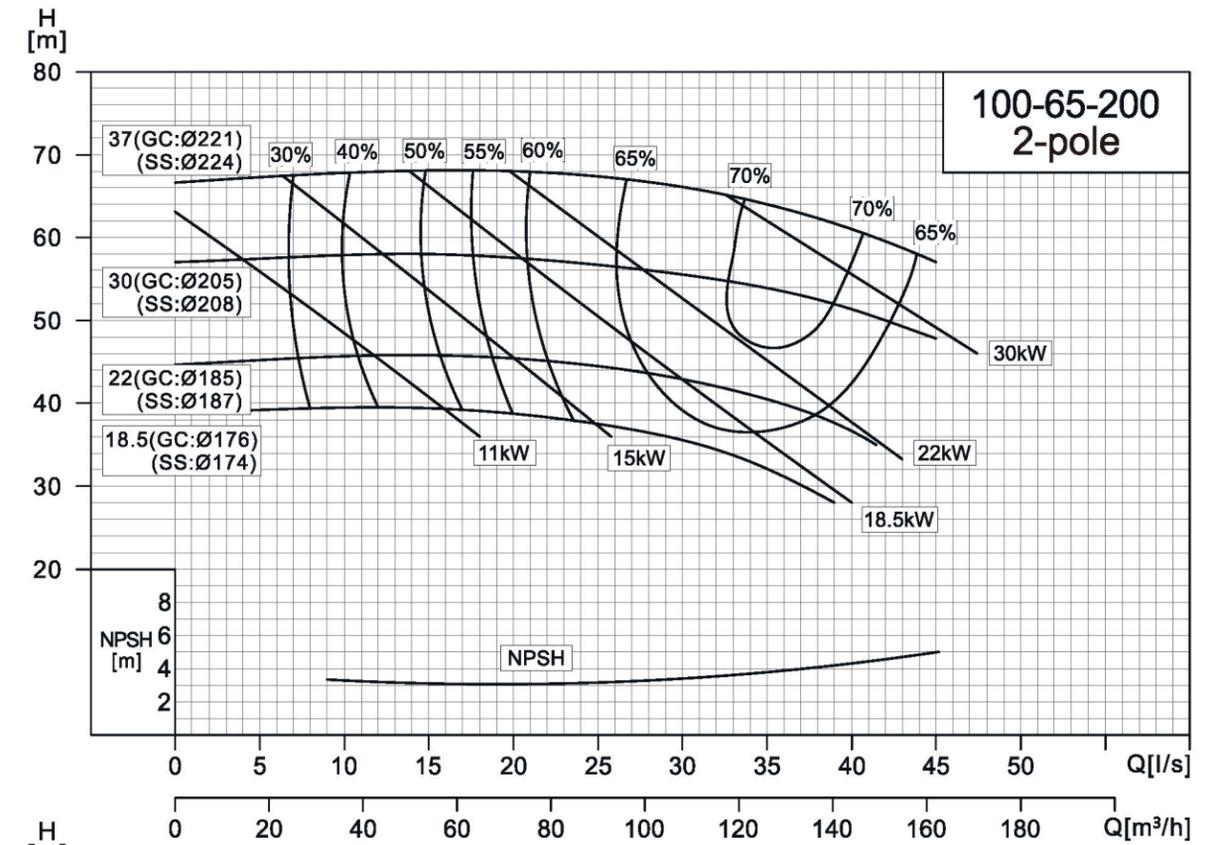
Performance curve

NISO,NIS,NISF80-50-315/80-65-160



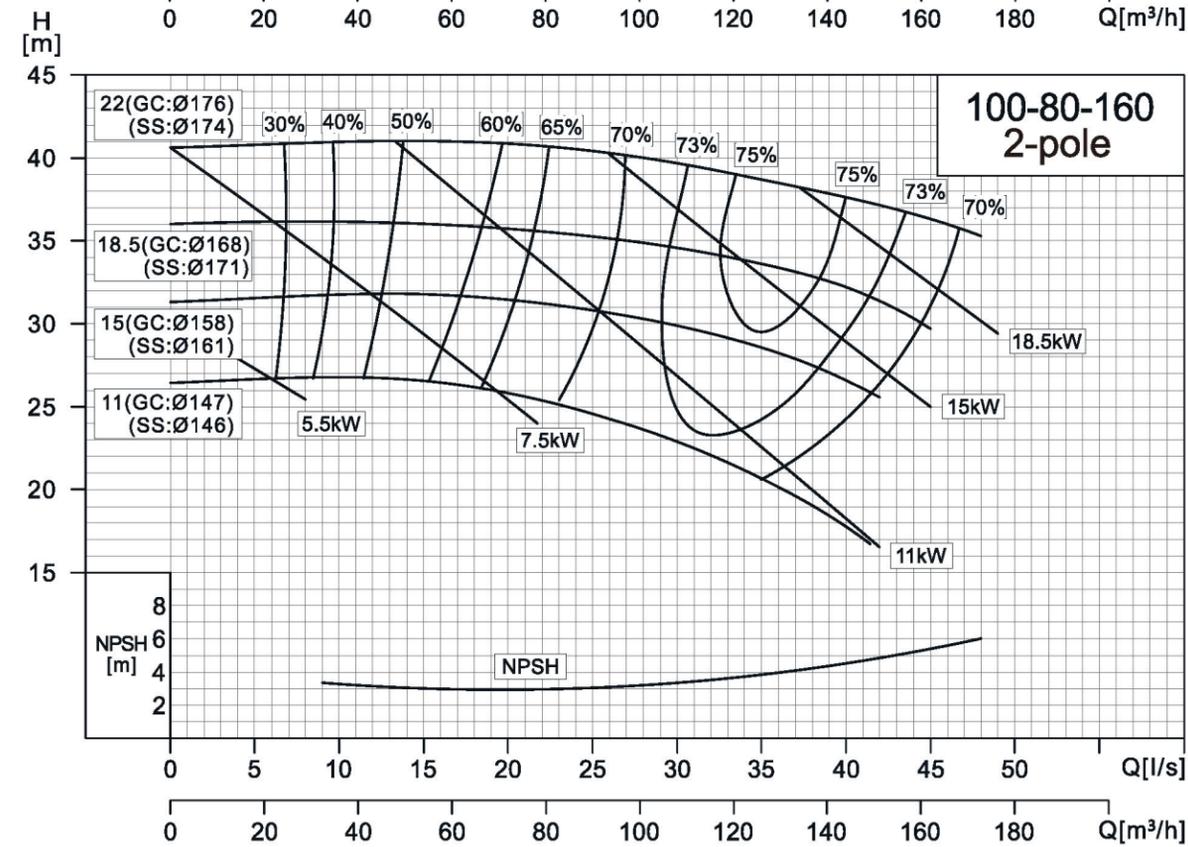
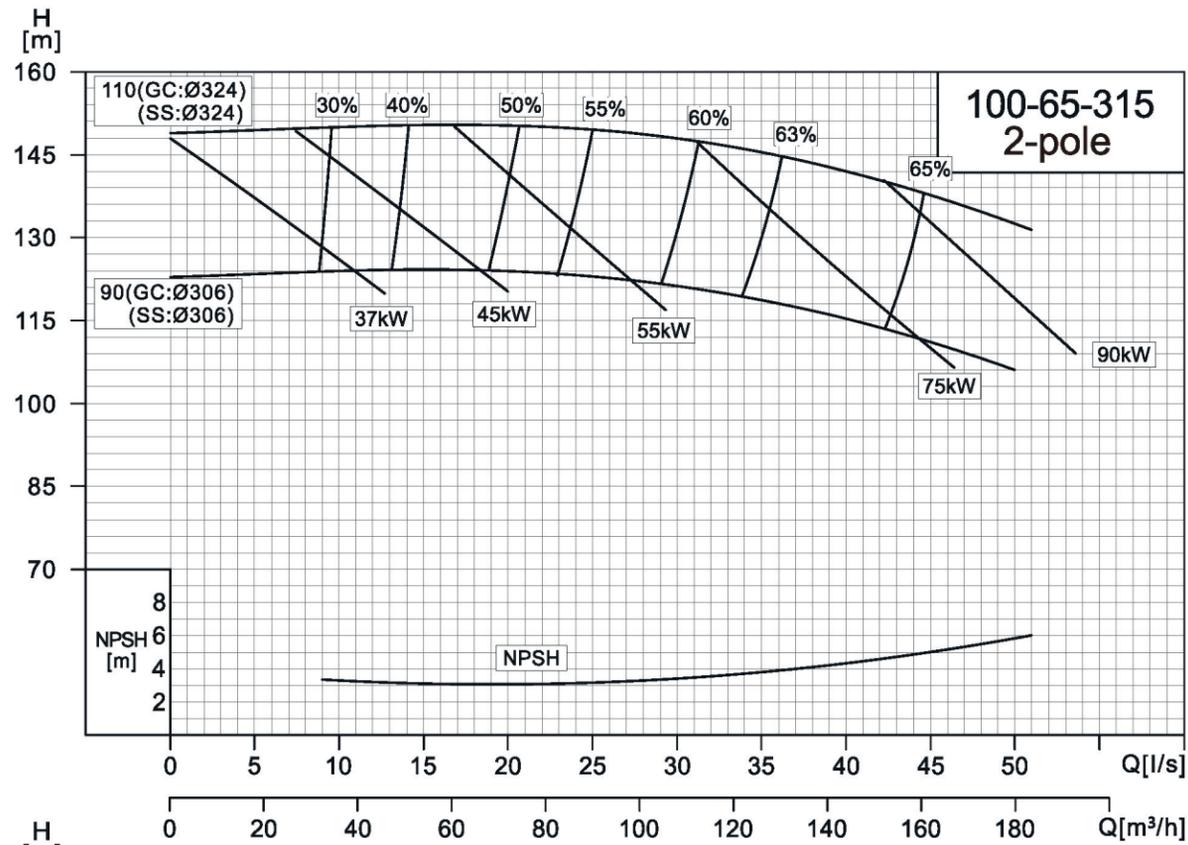
Performance curve

NISO,NIS,NISF100-65-200/100-65-250



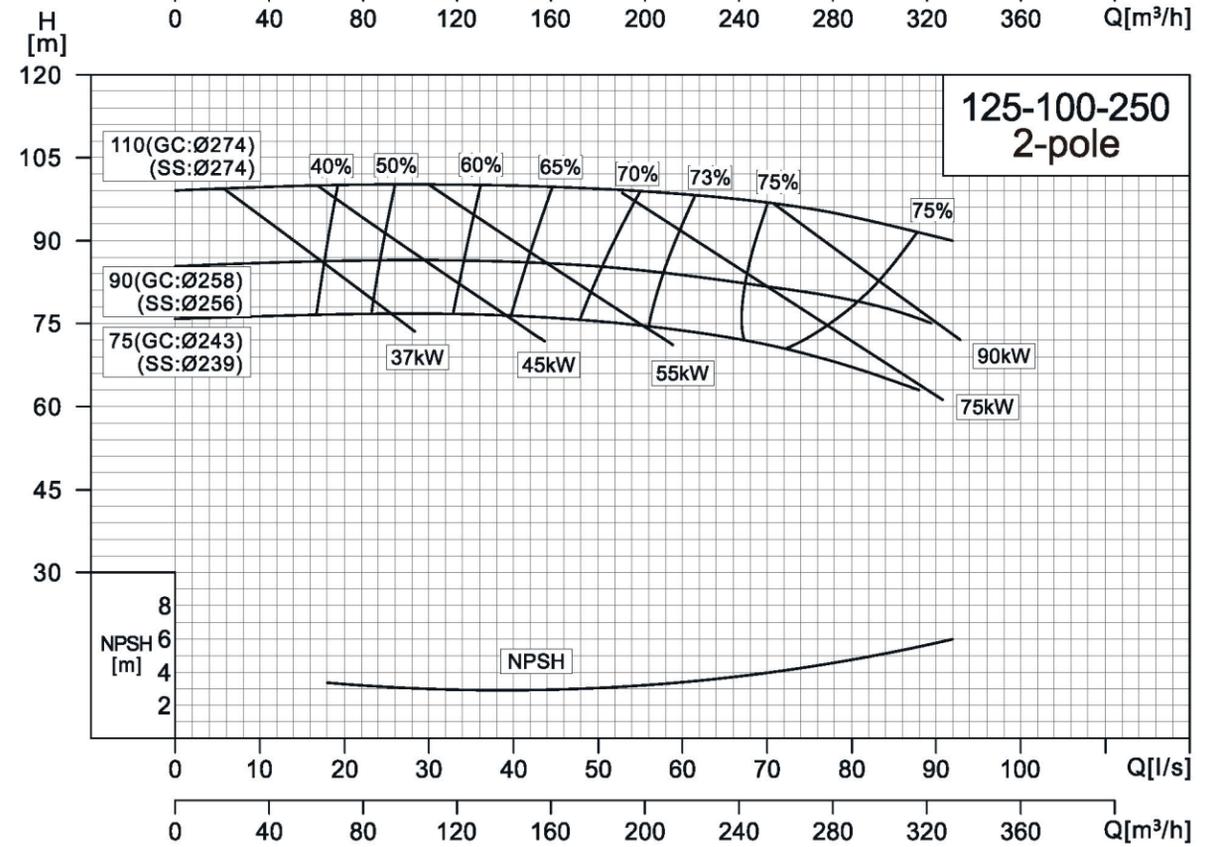
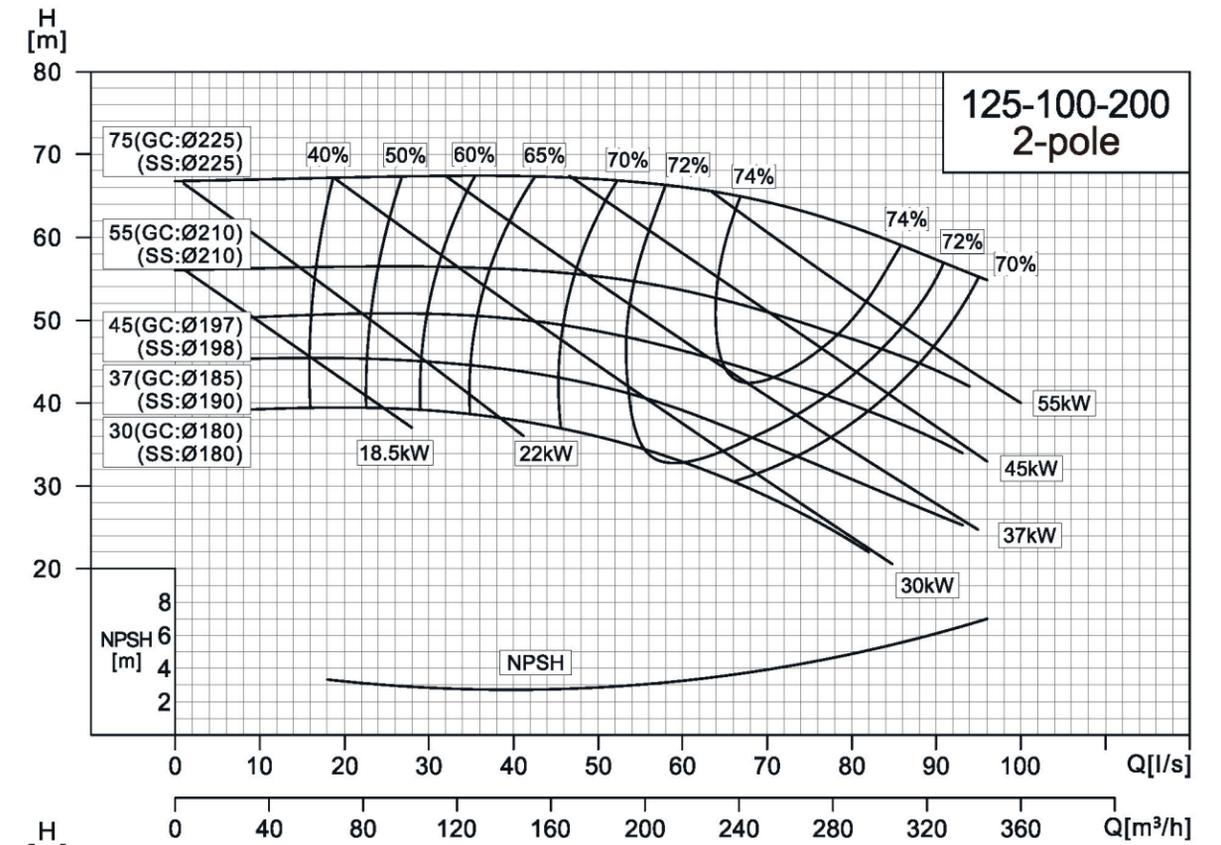
Performance curve

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



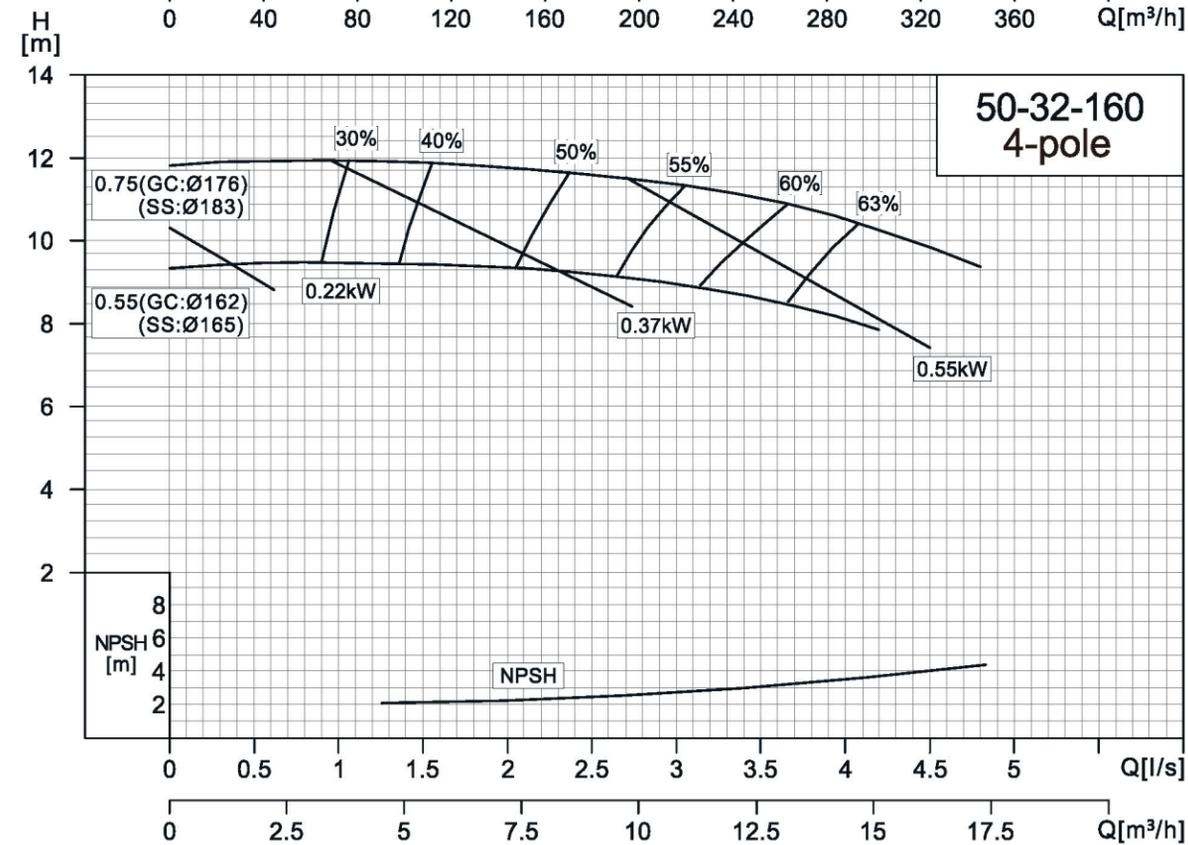
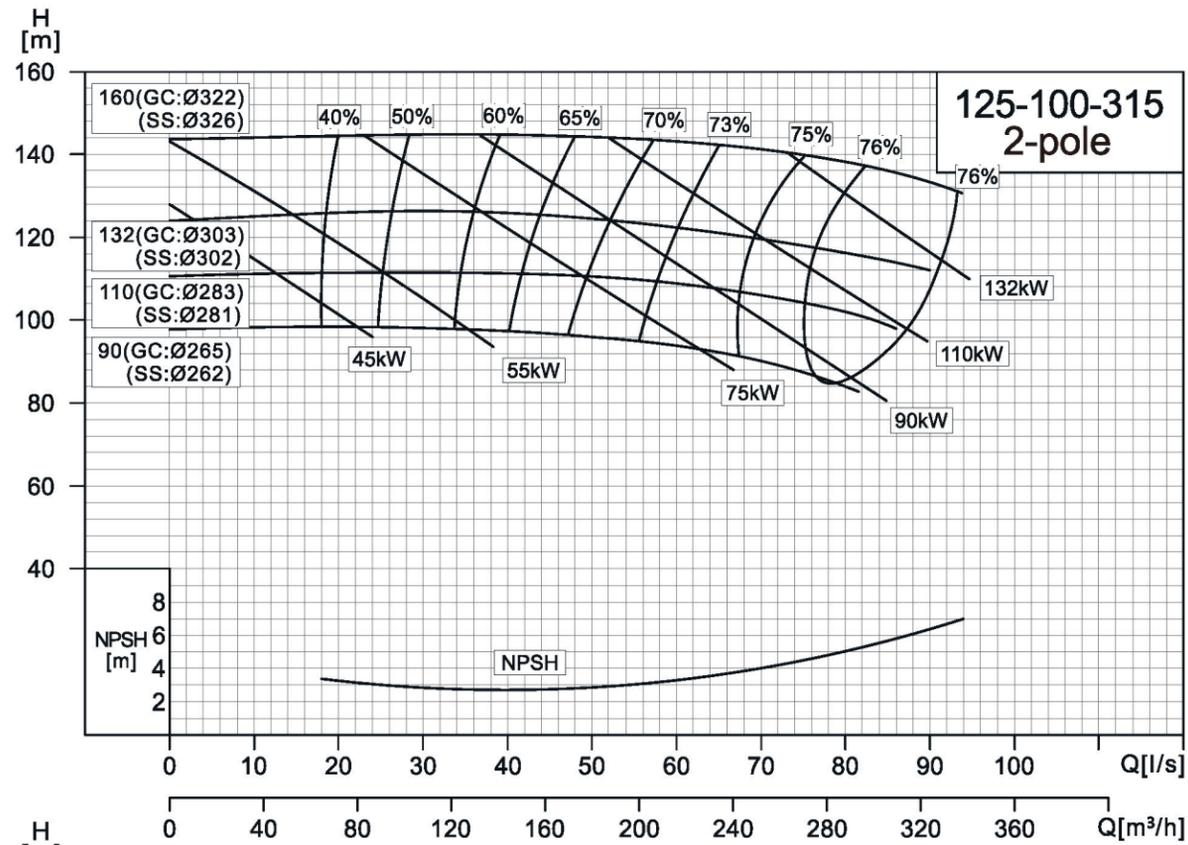
Performance curve

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



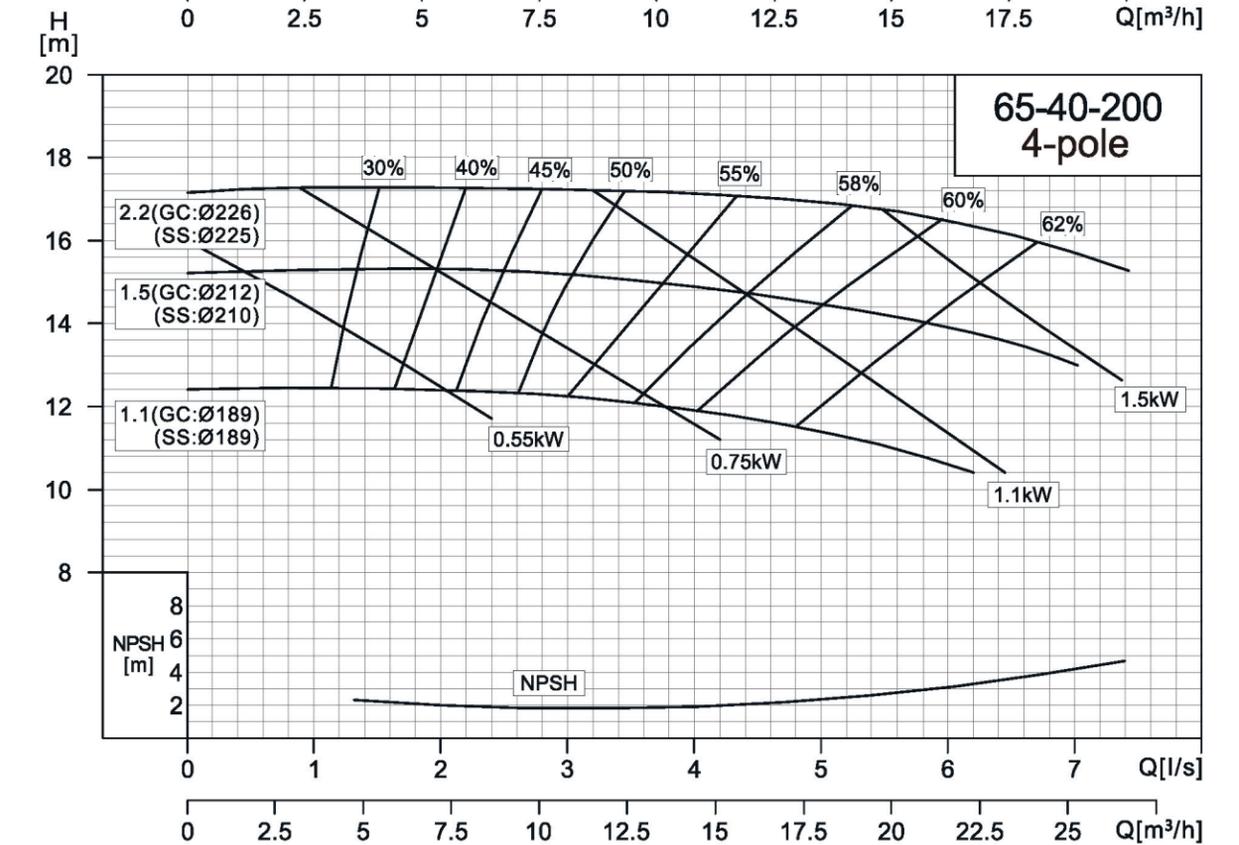
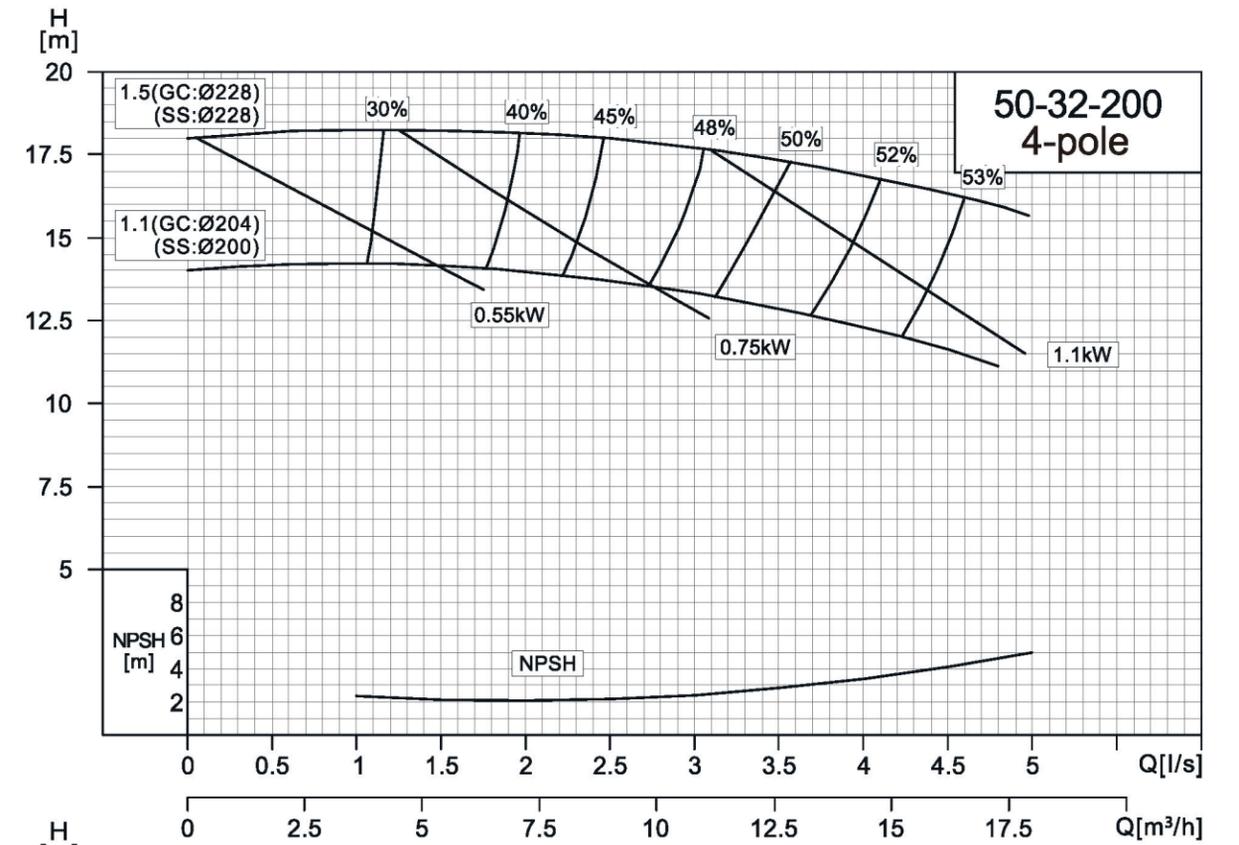
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NISO,NIS,NISF125-100-315/50-32-160



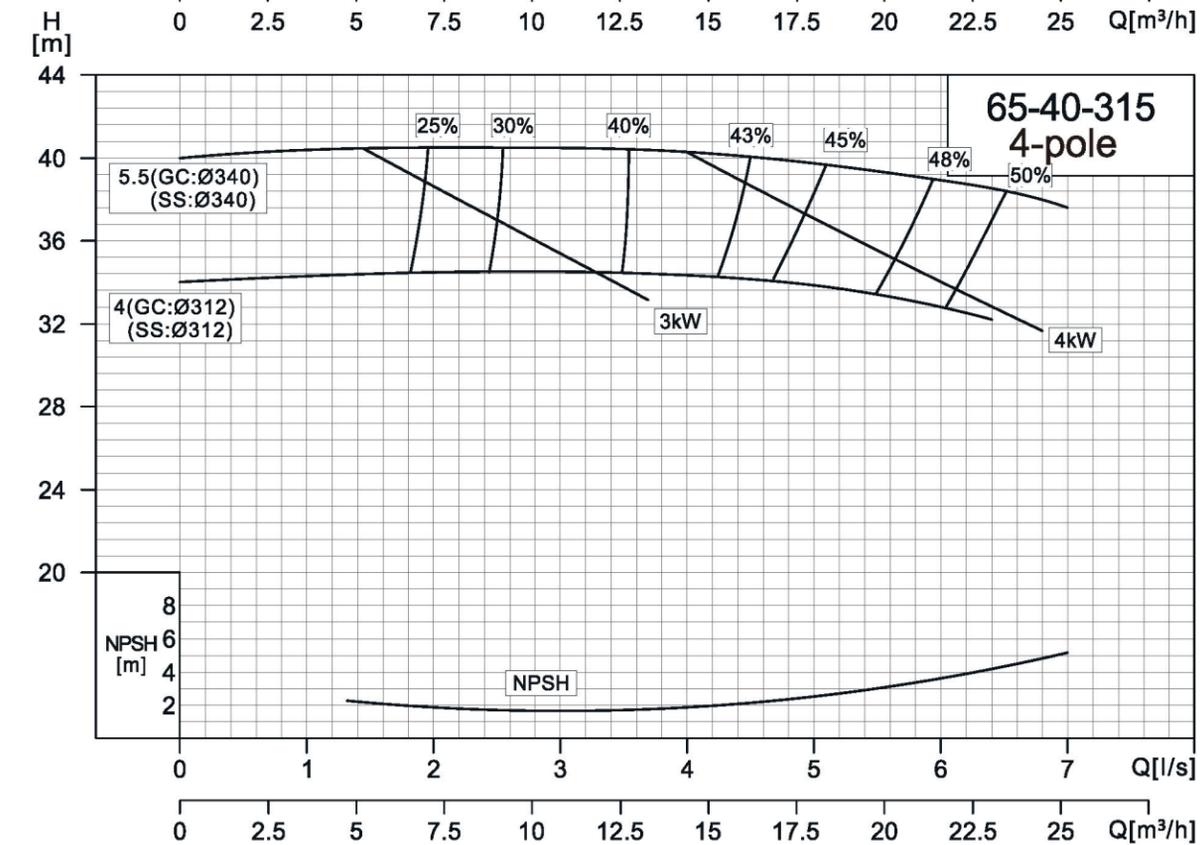
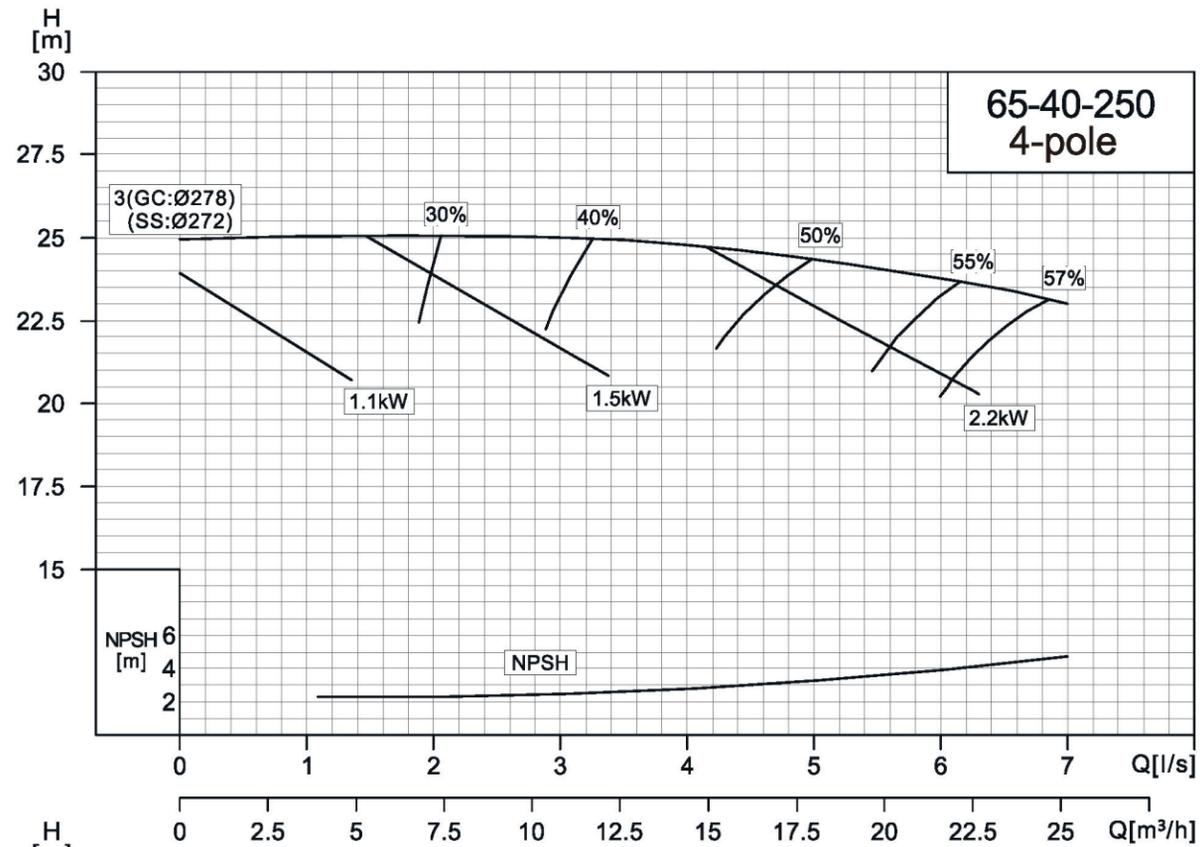
Performance curve

NISO,NIS,NISF50-32-200/65-40-200



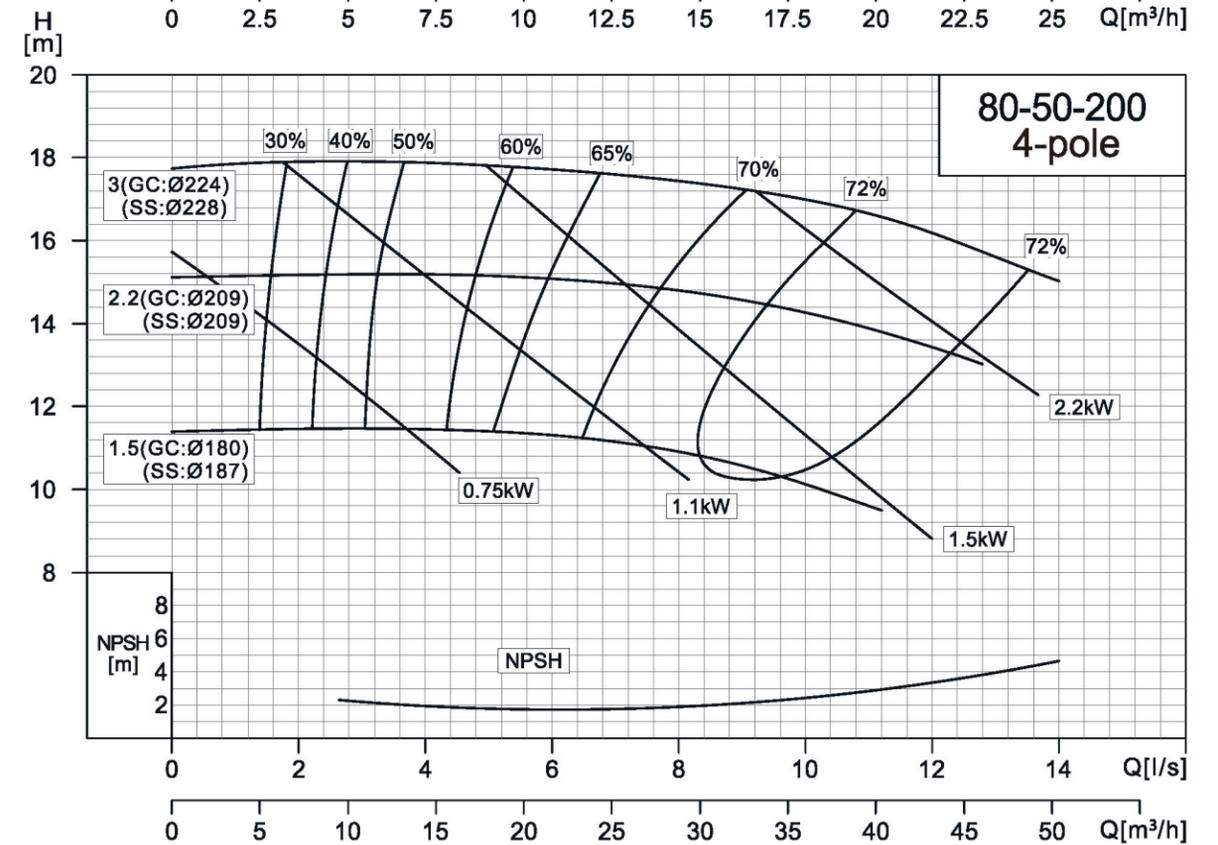
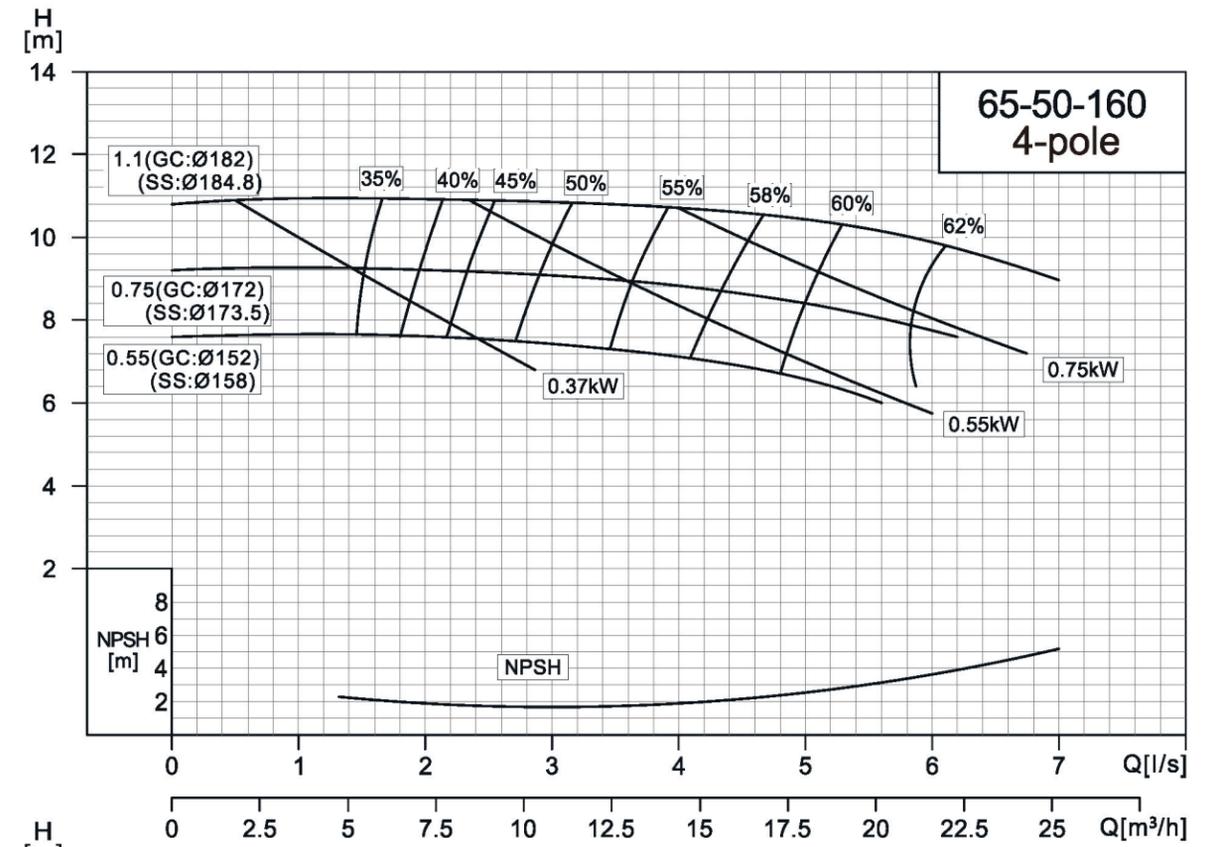
Performance curve

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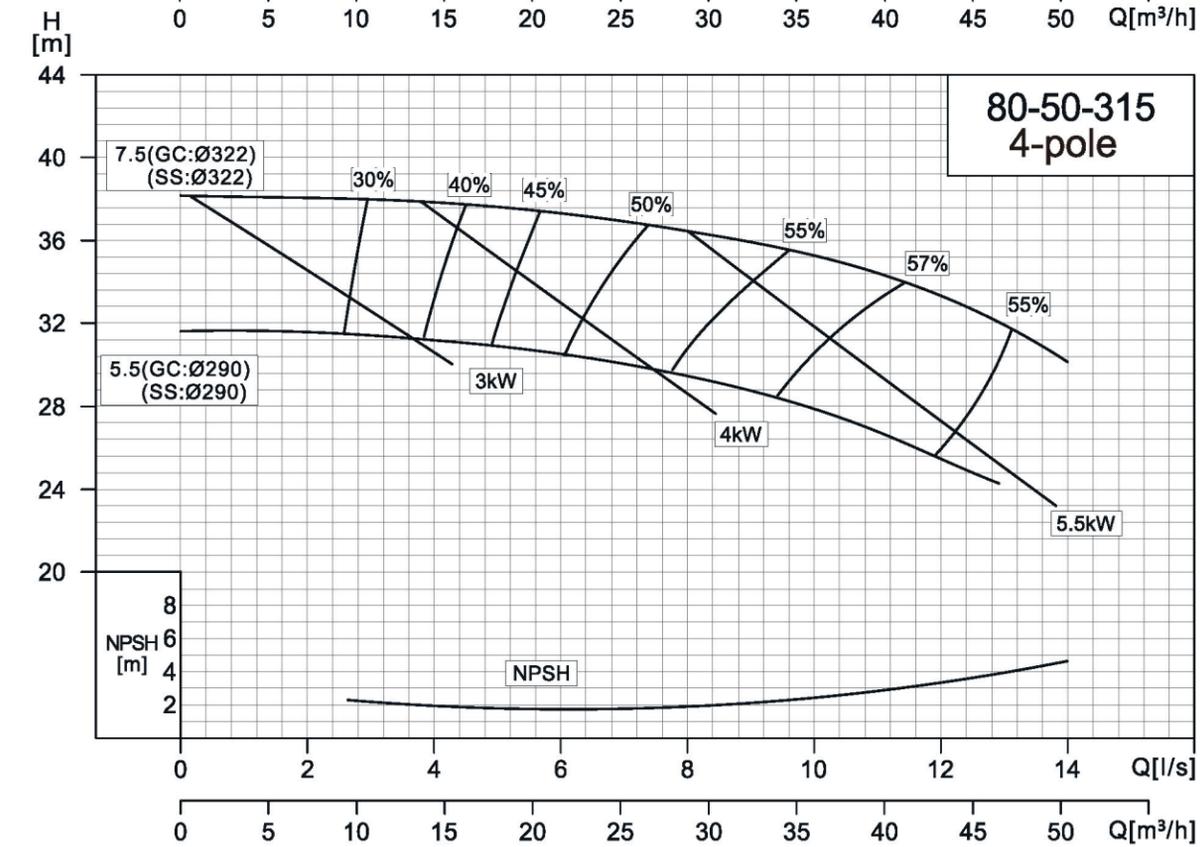
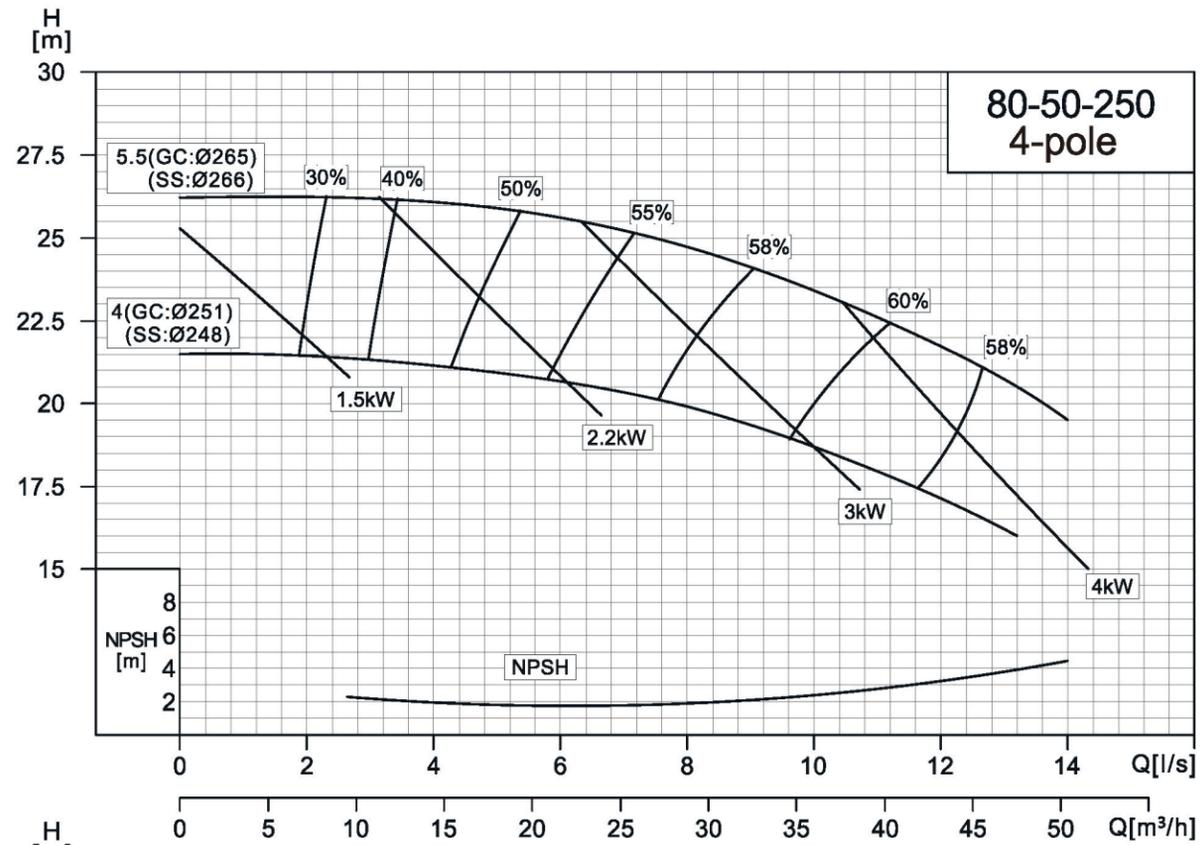
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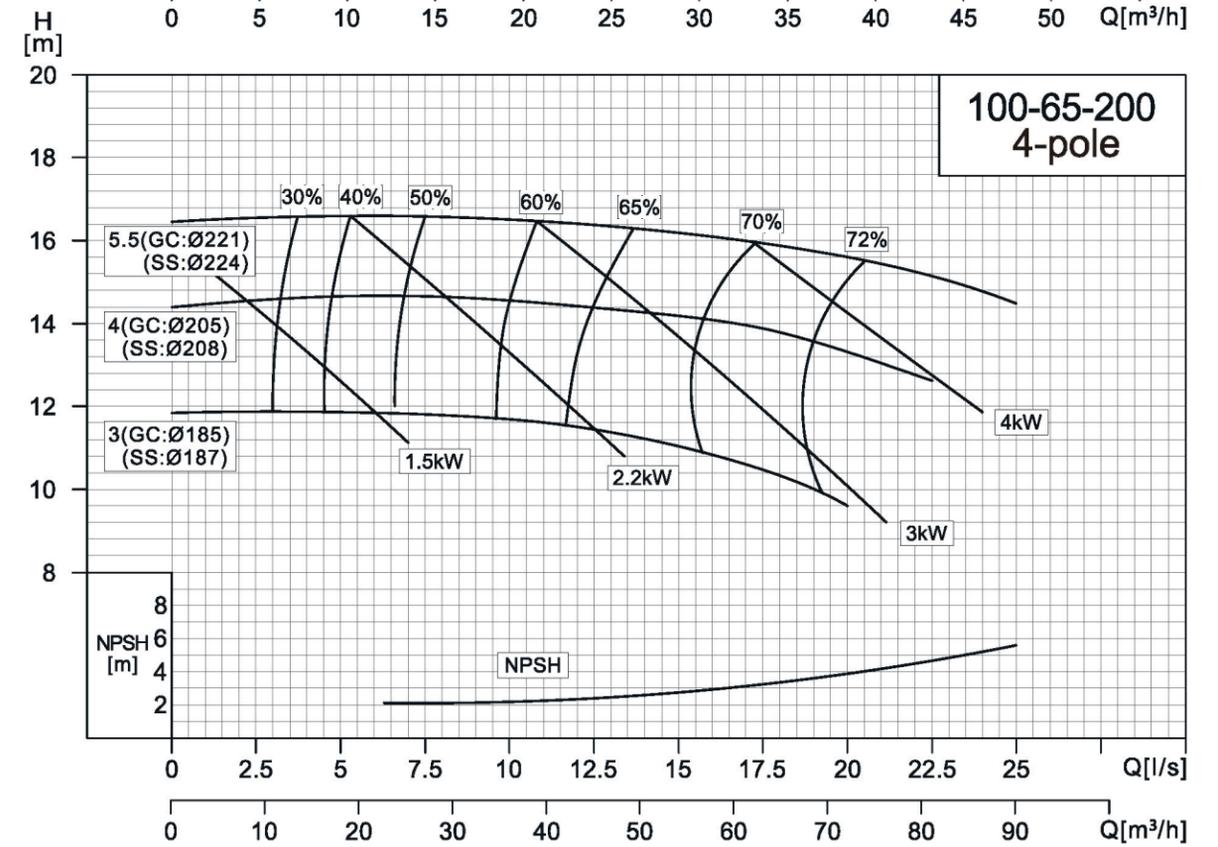
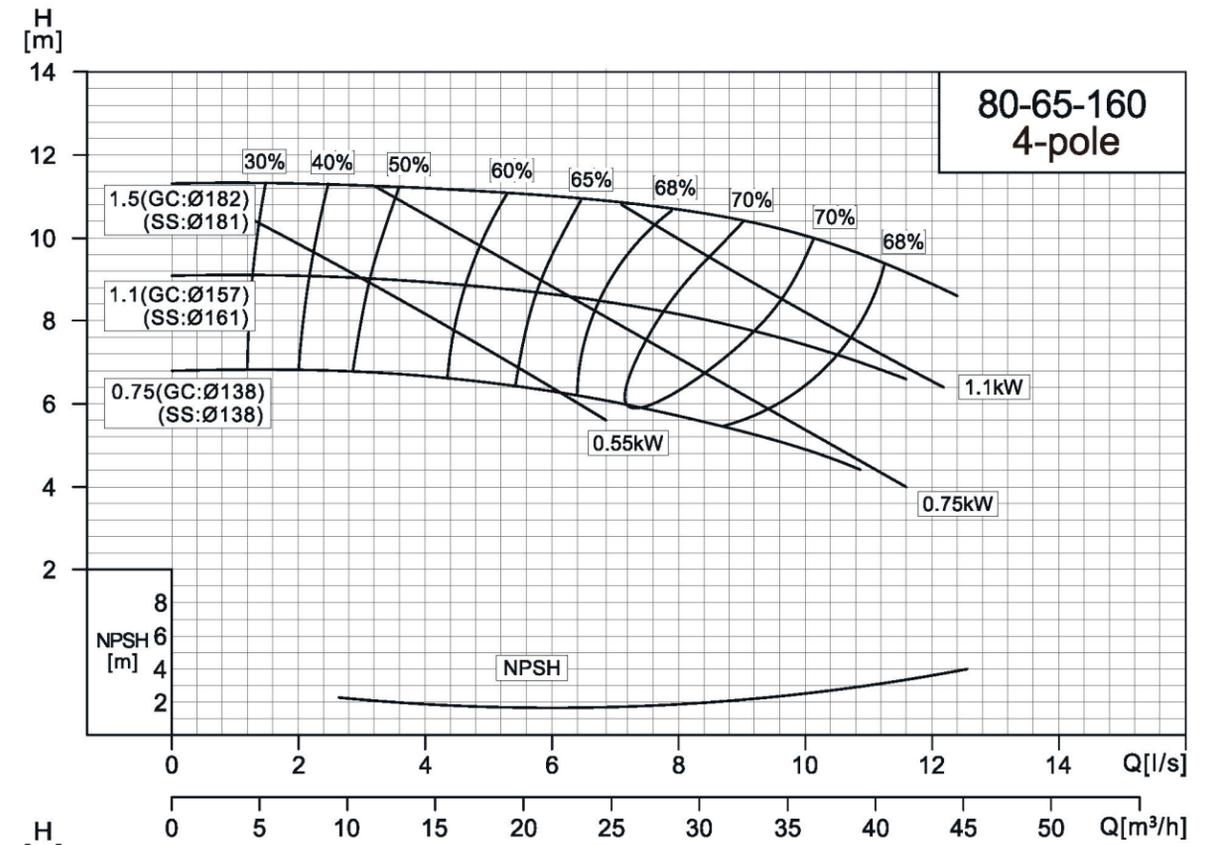
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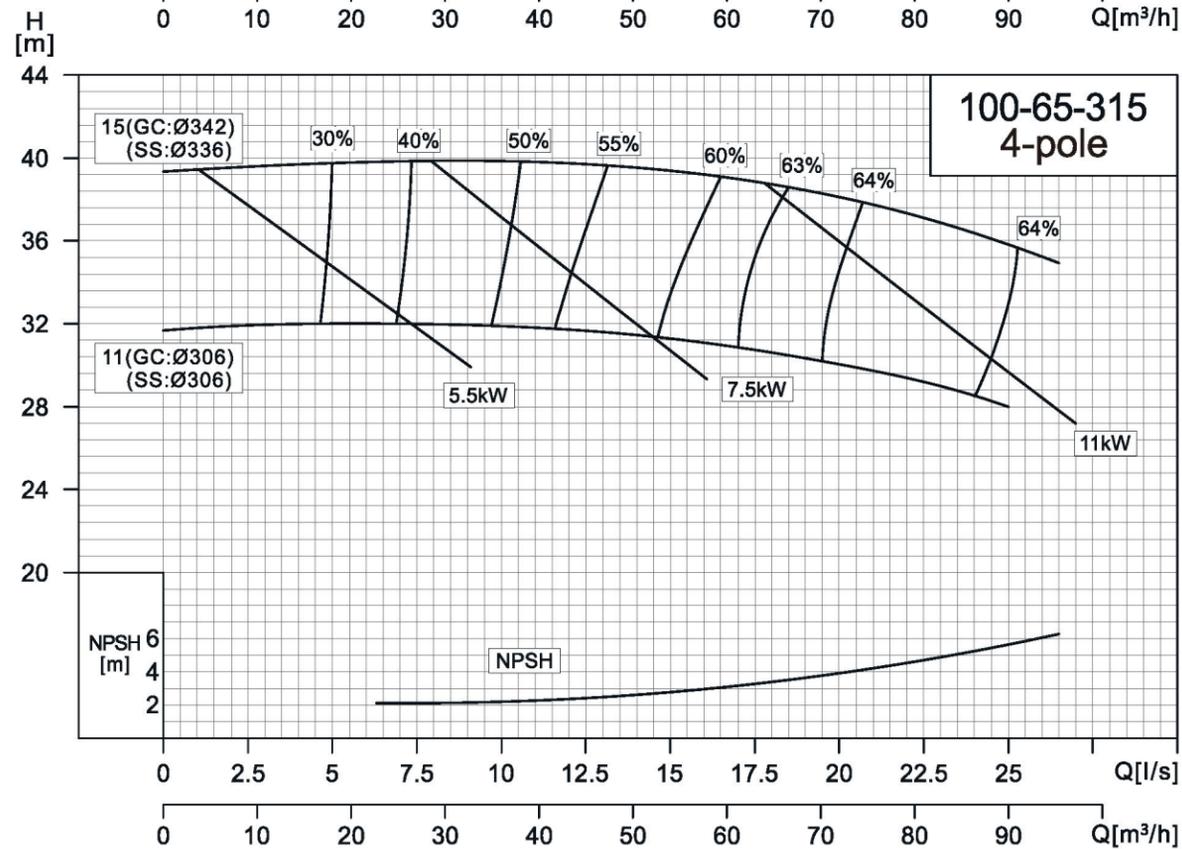
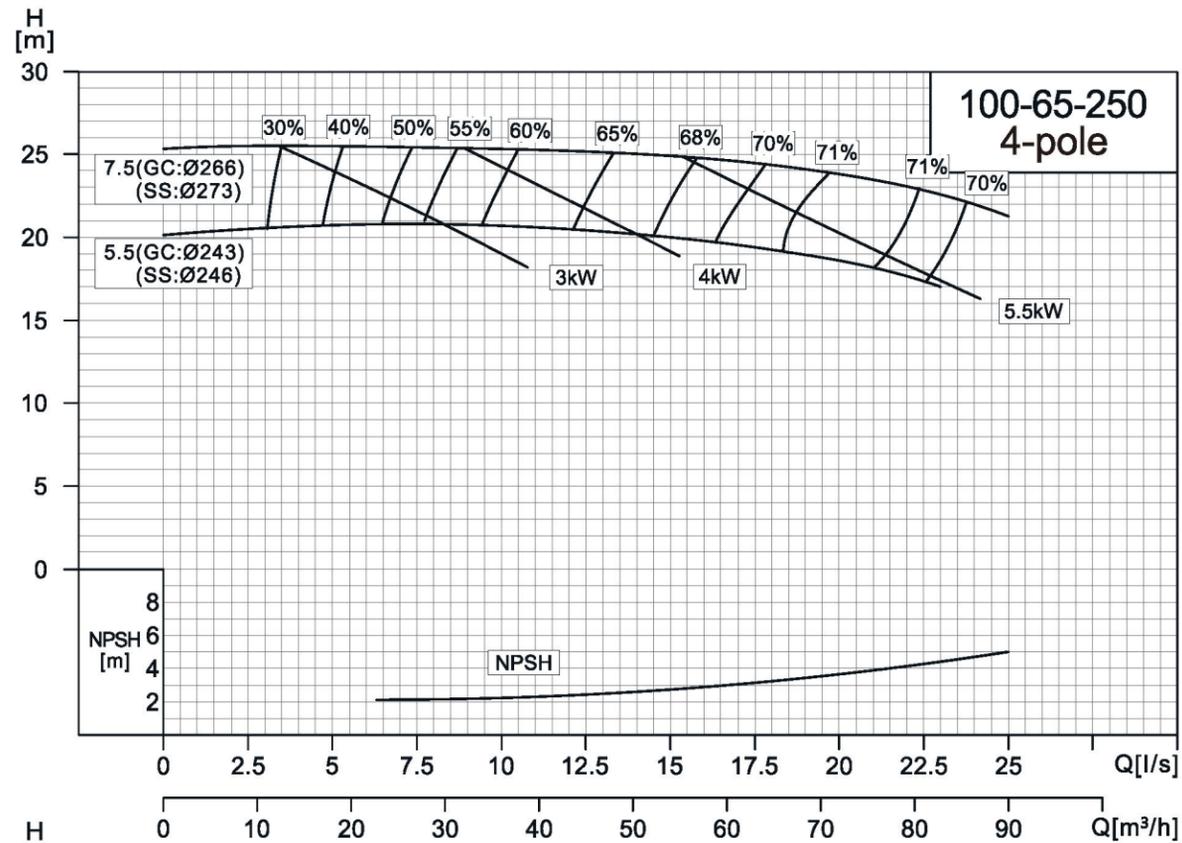
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NISO,NIS,NISF80-65-160/100-65-200



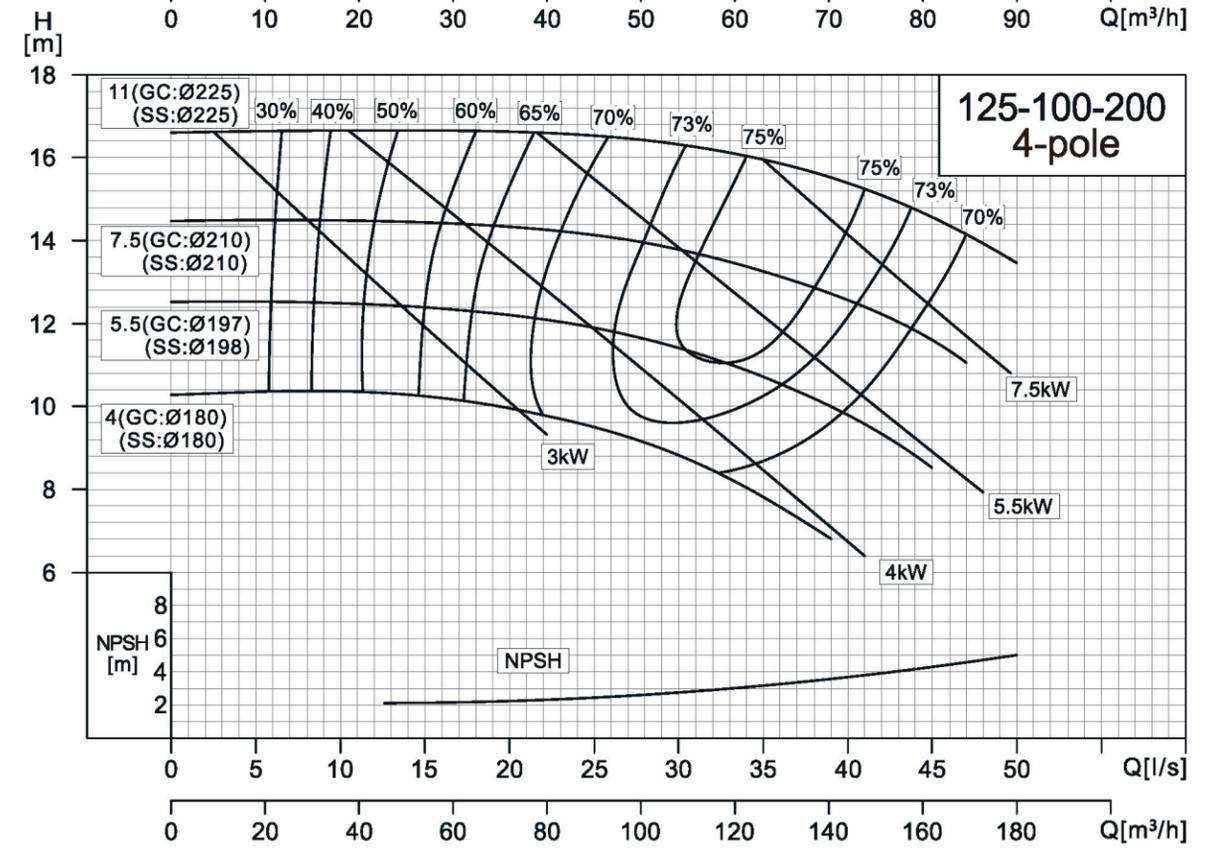
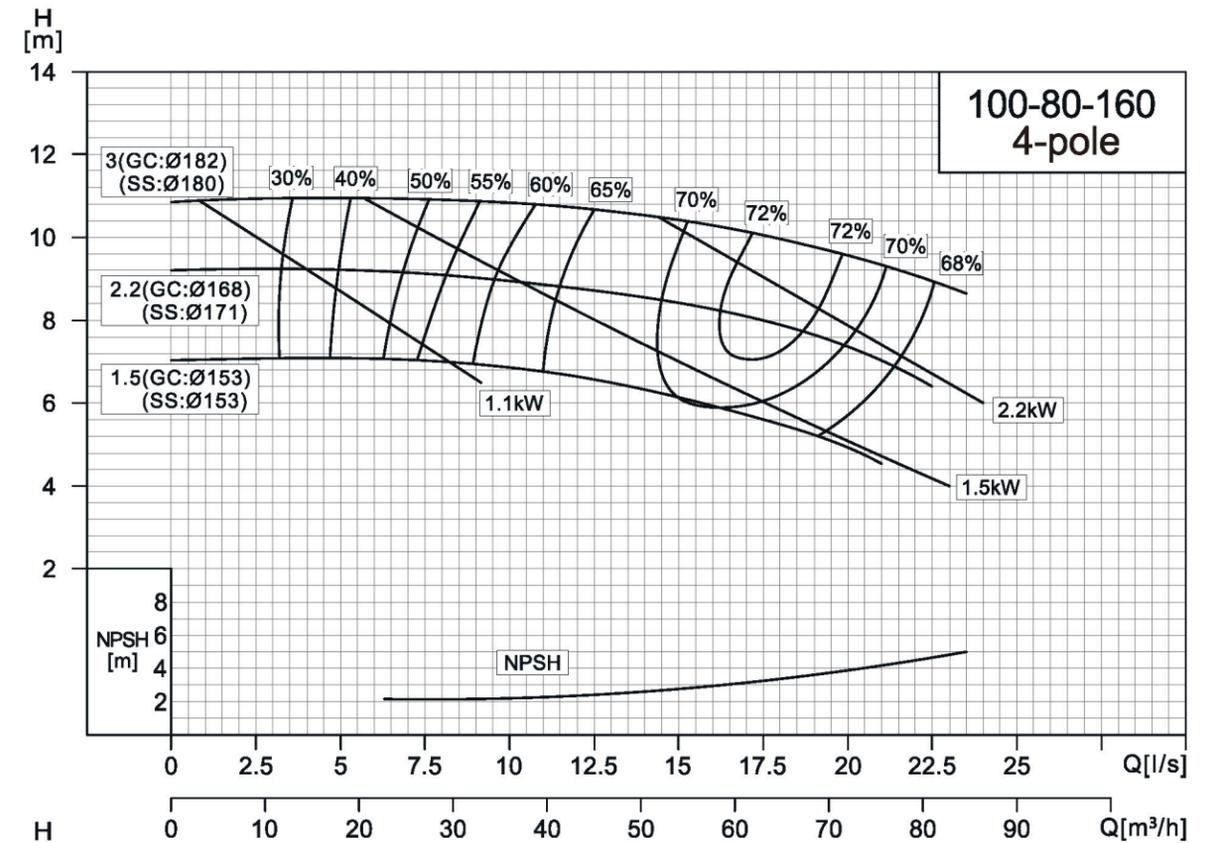
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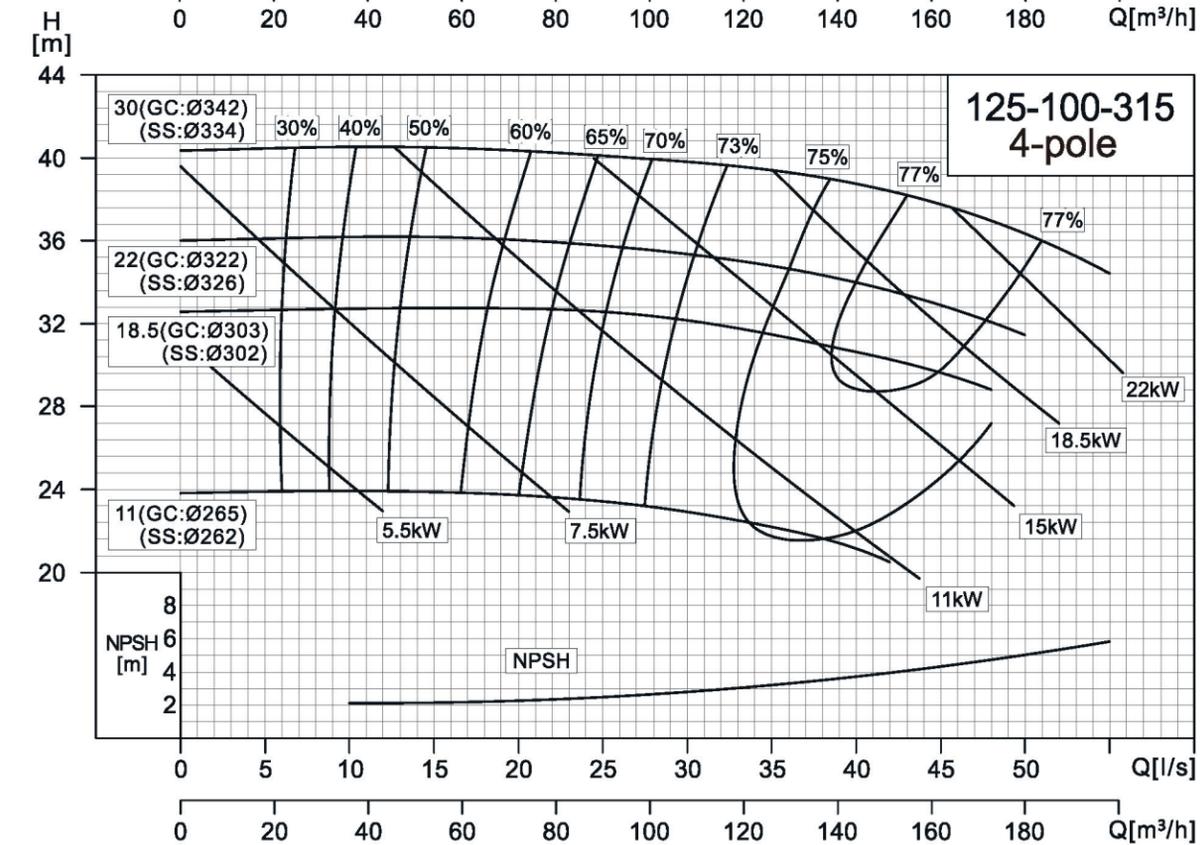
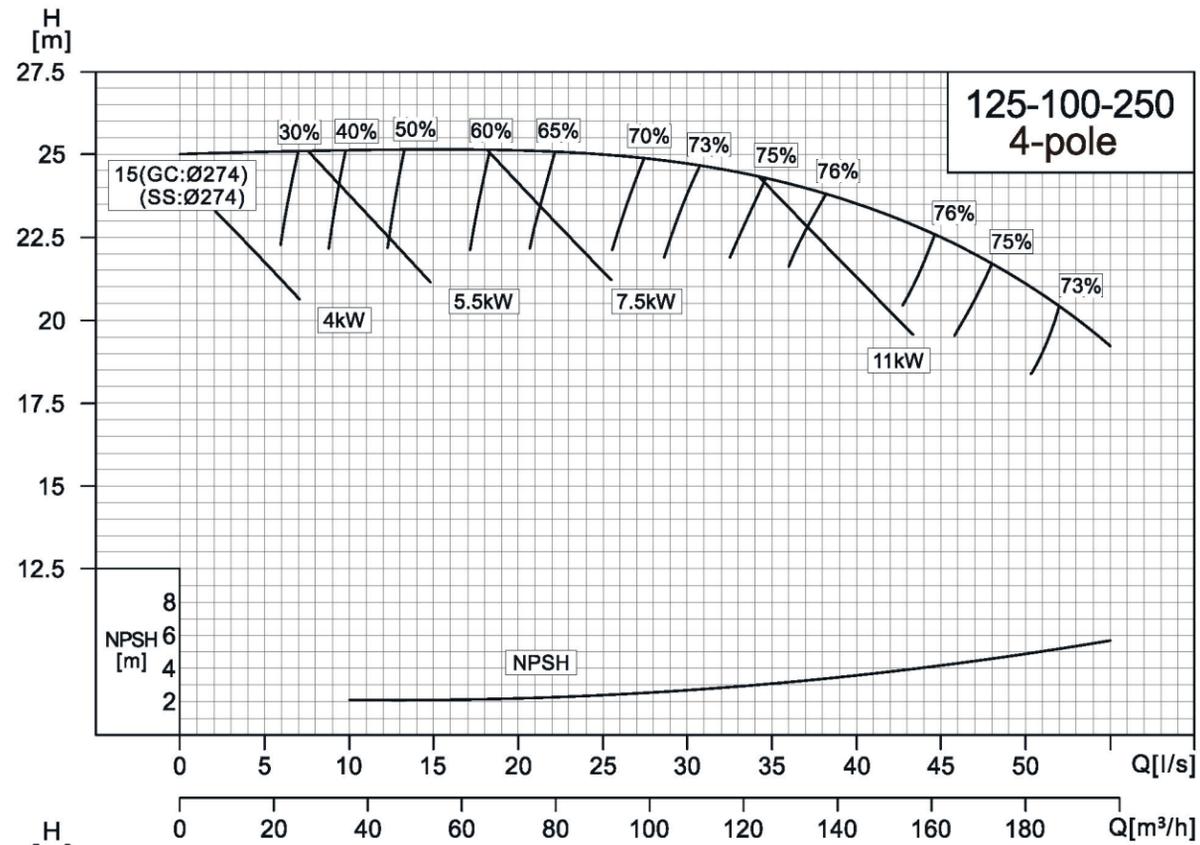
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NISO,NIS,NISF100-80-160/125-100-200



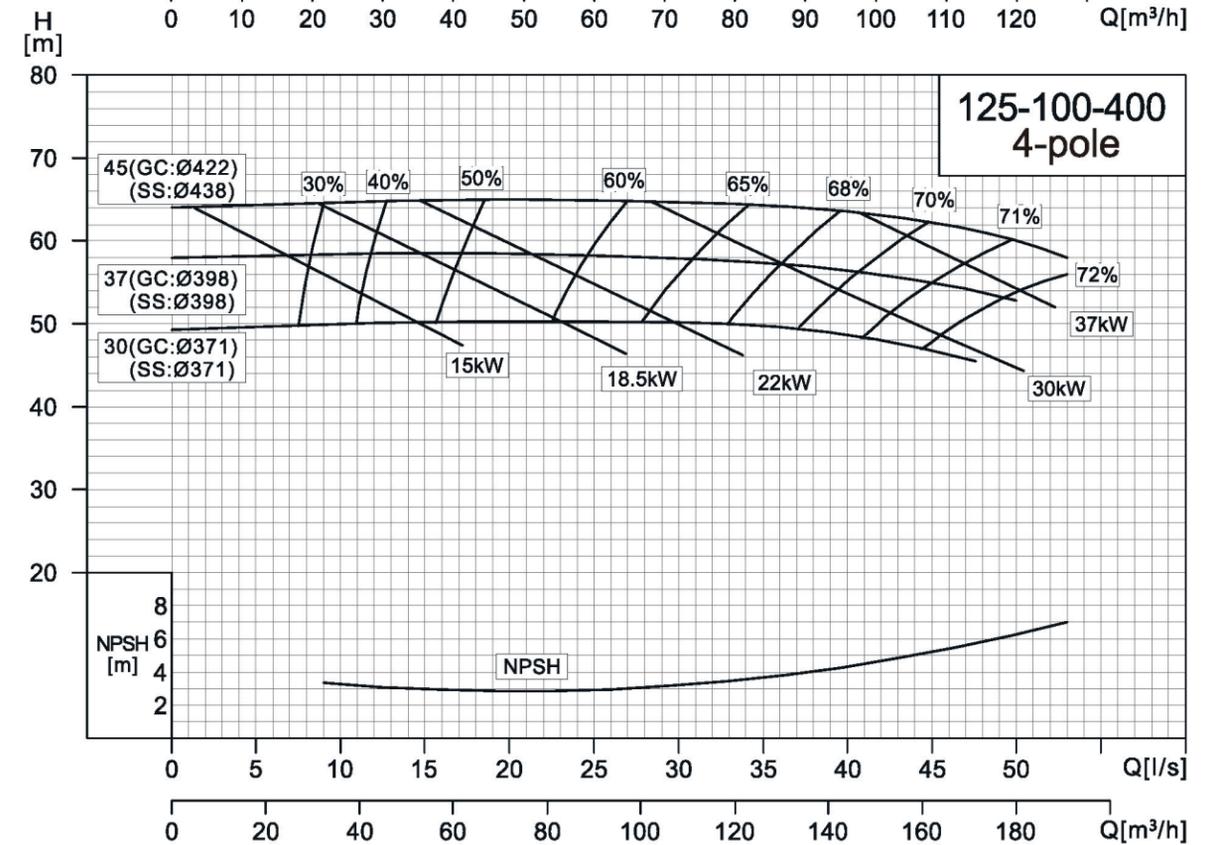
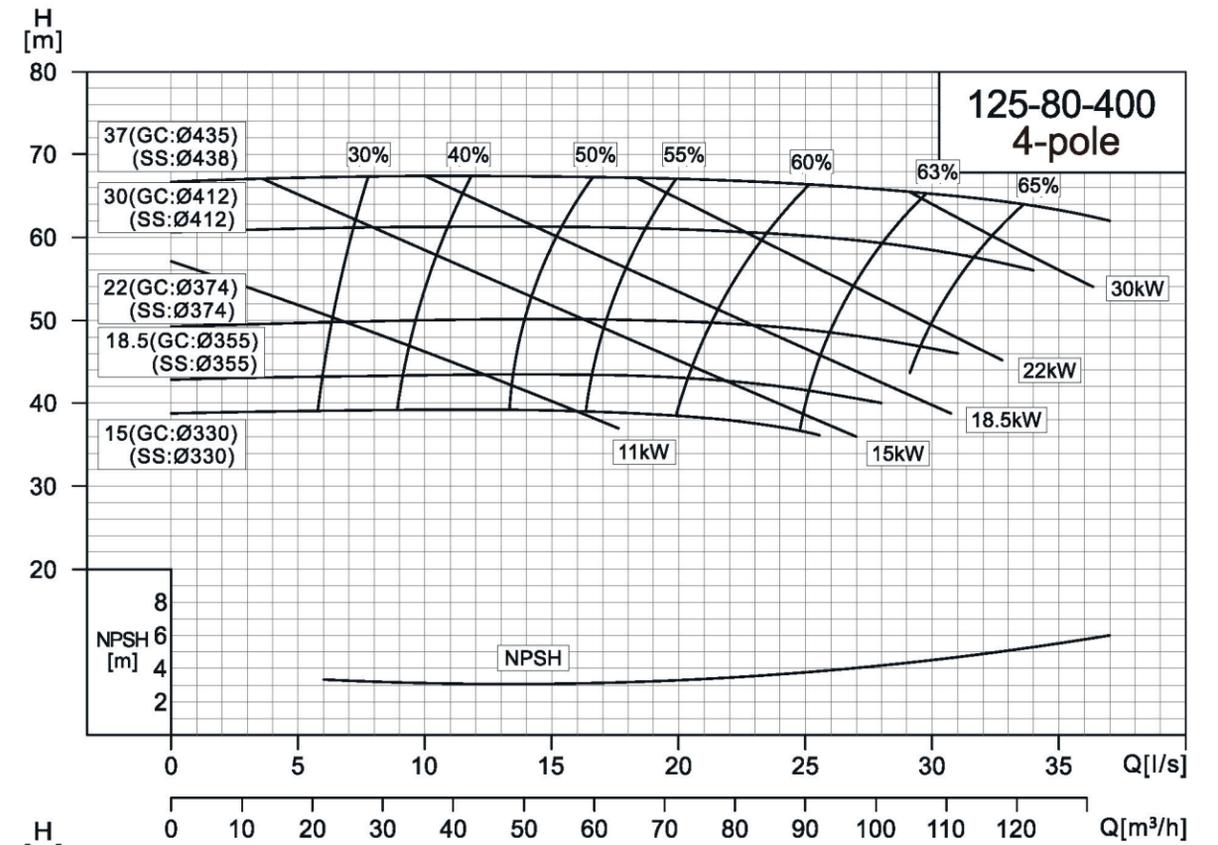
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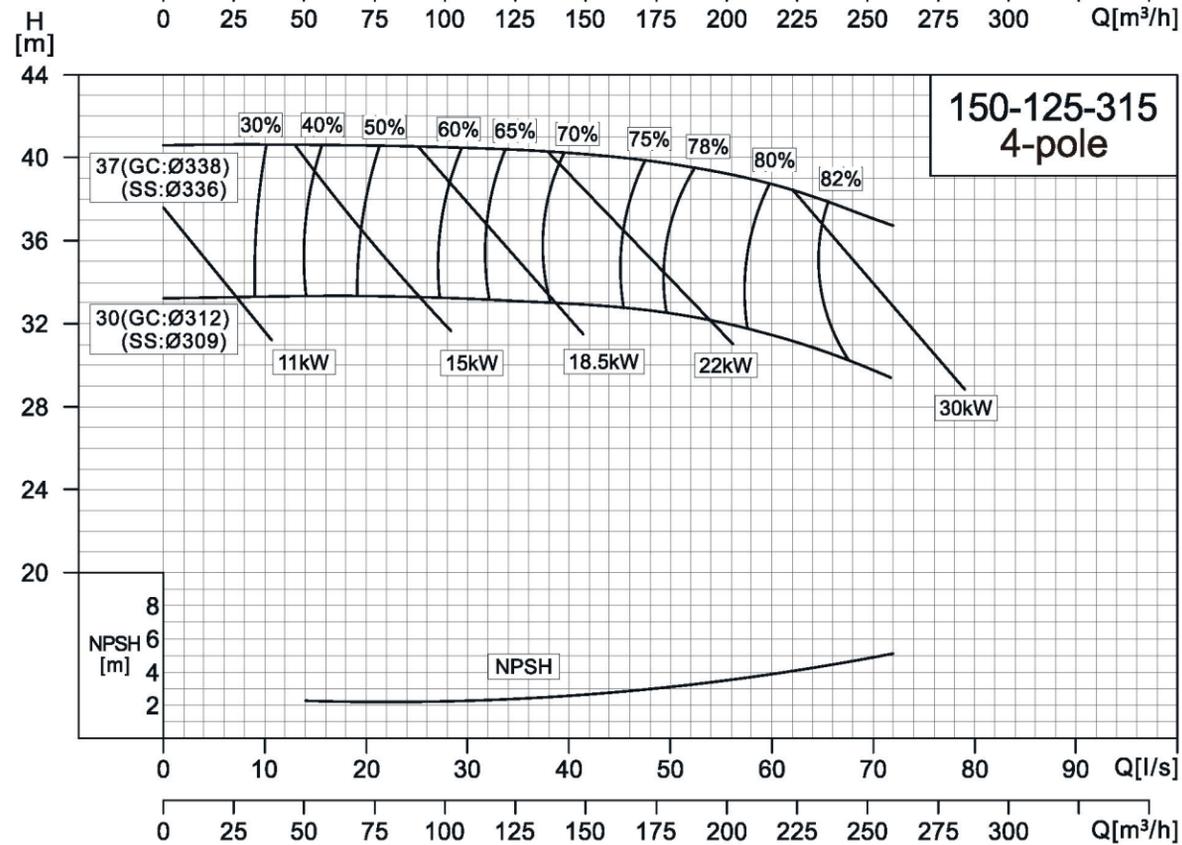
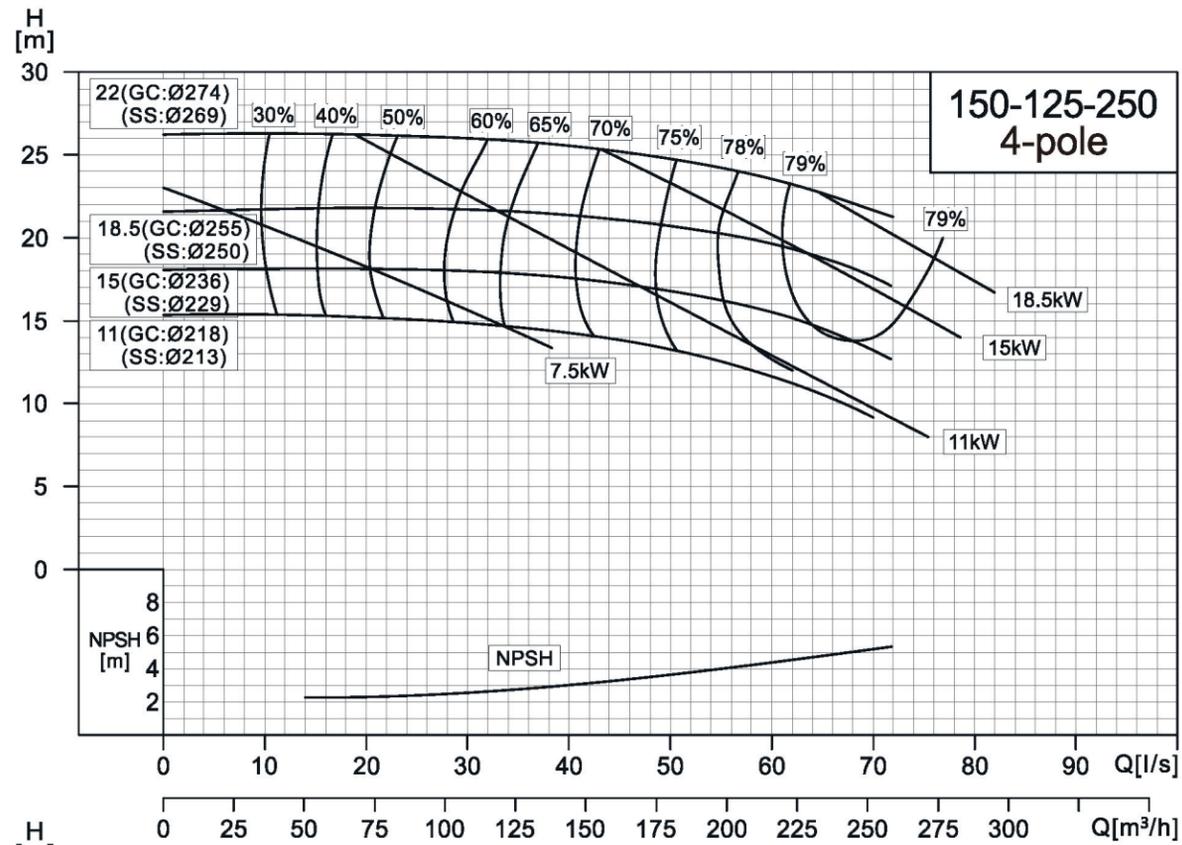
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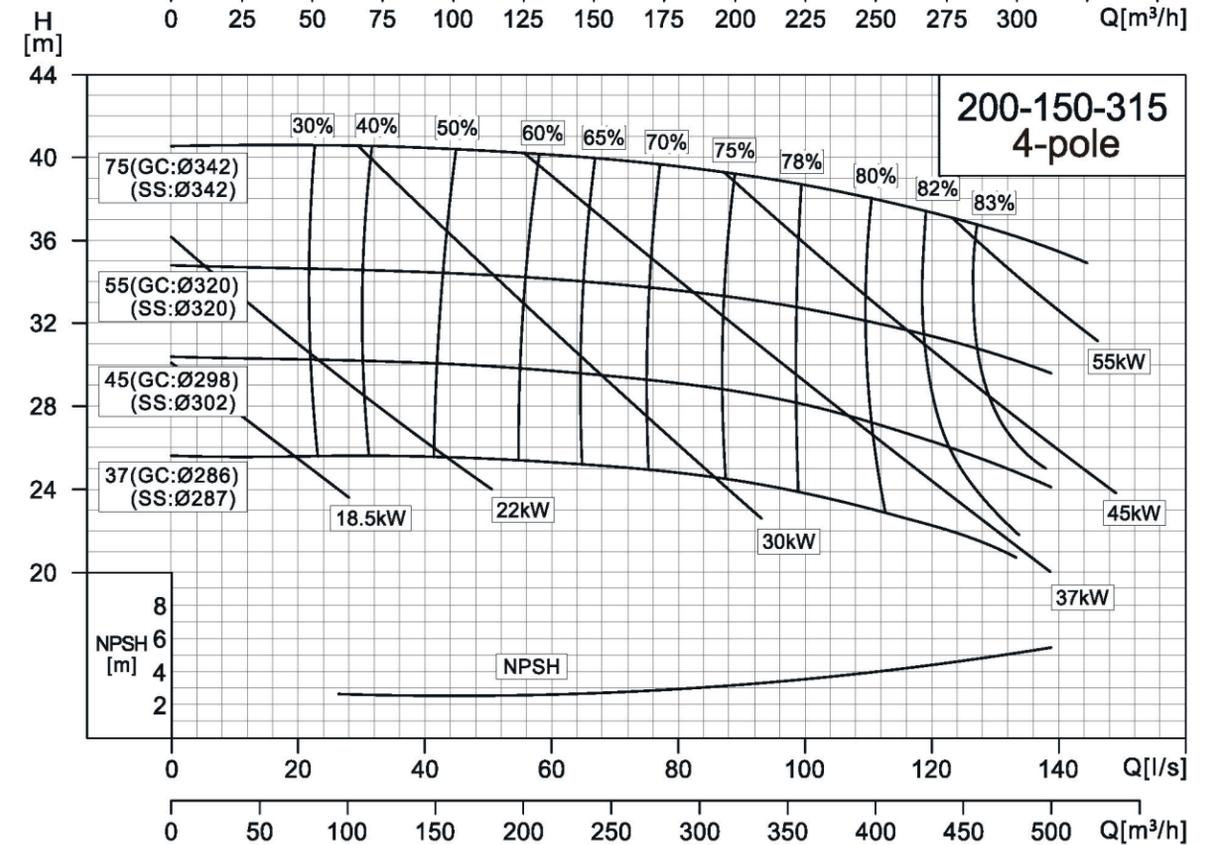
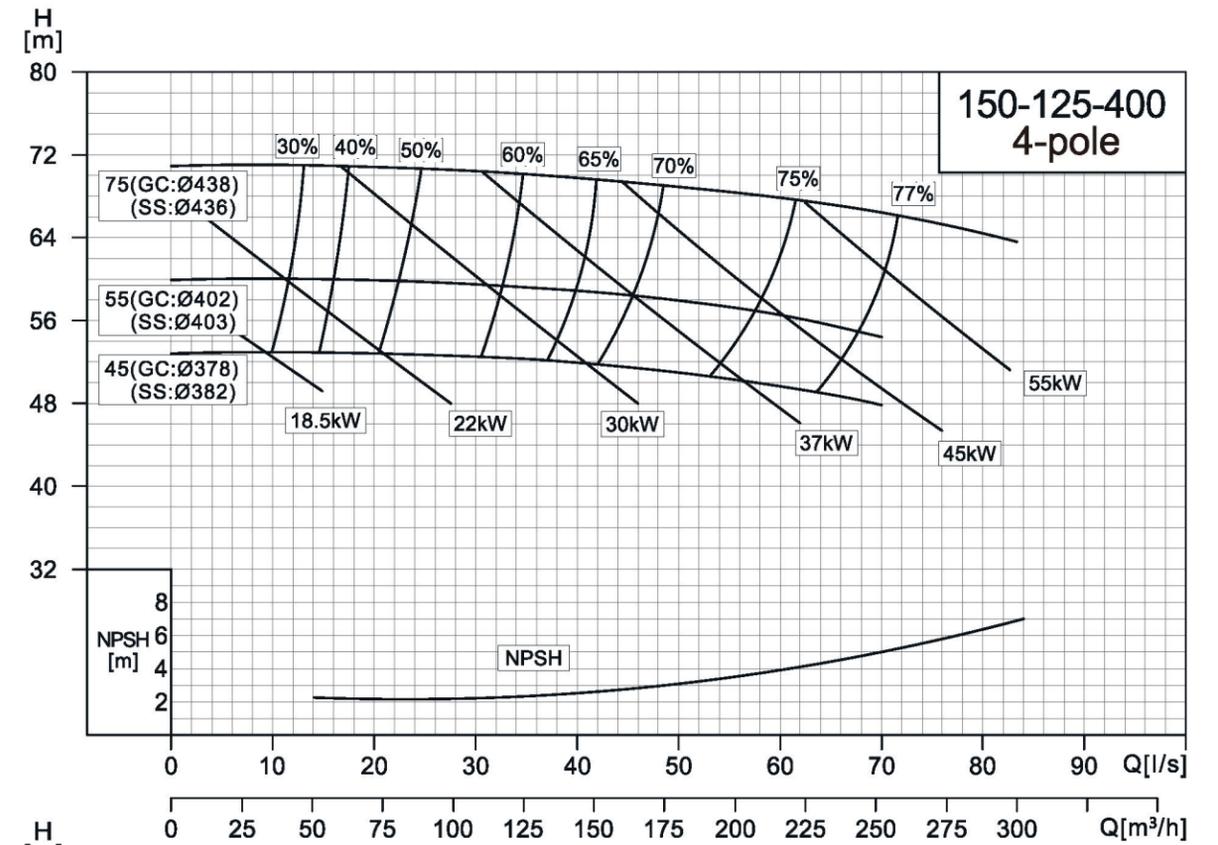
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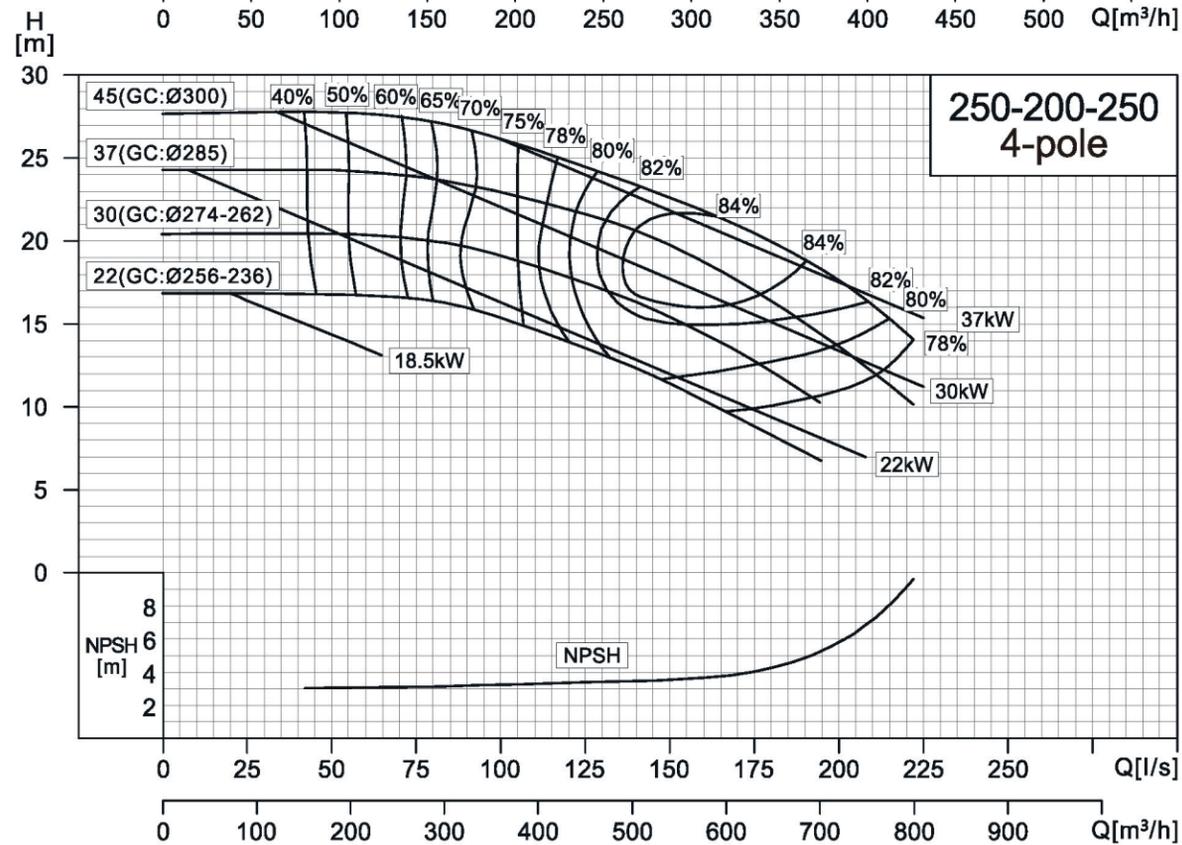
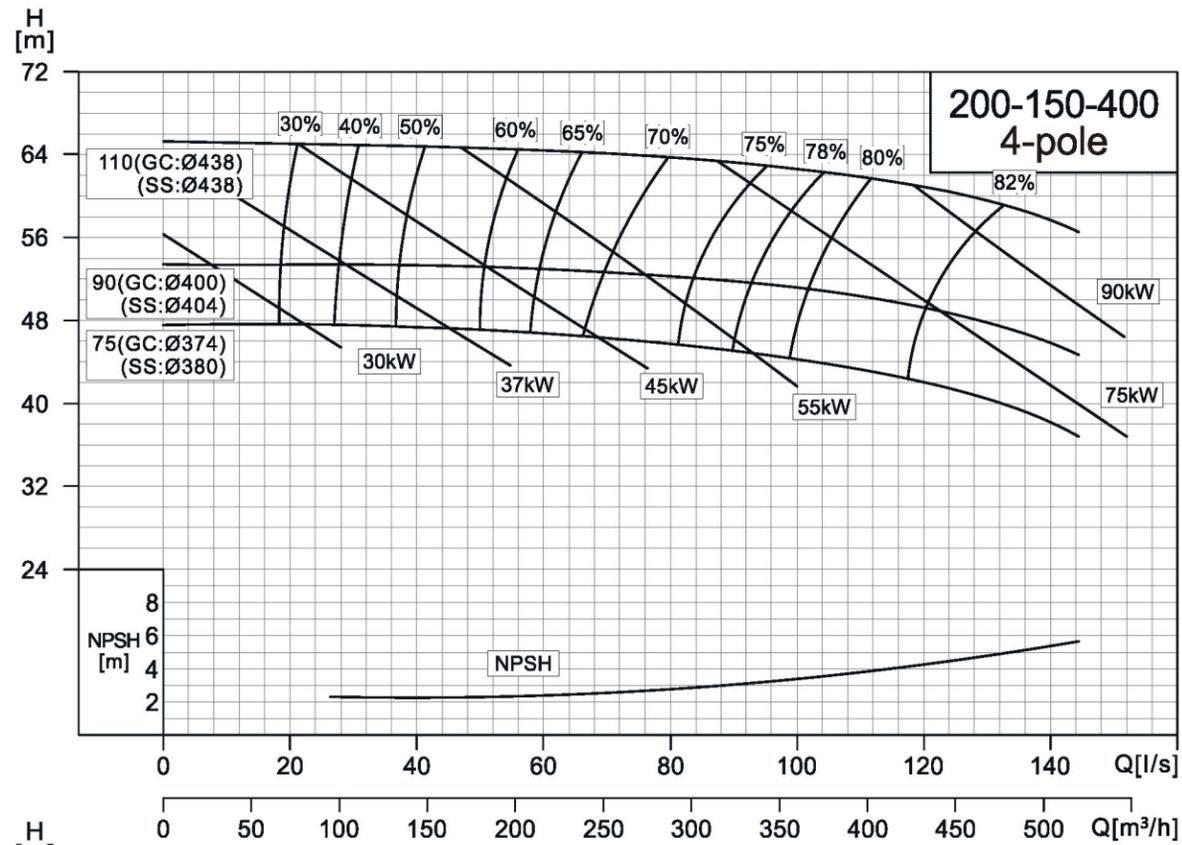
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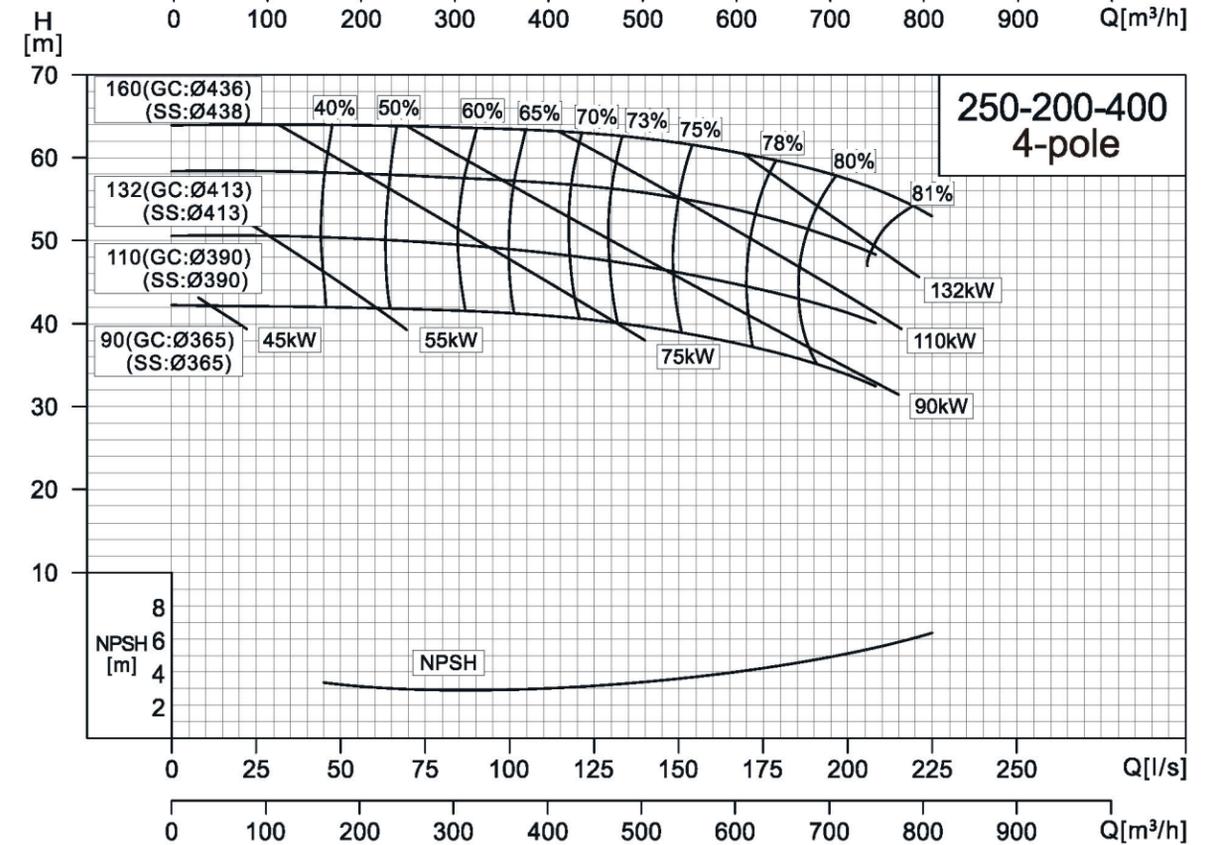
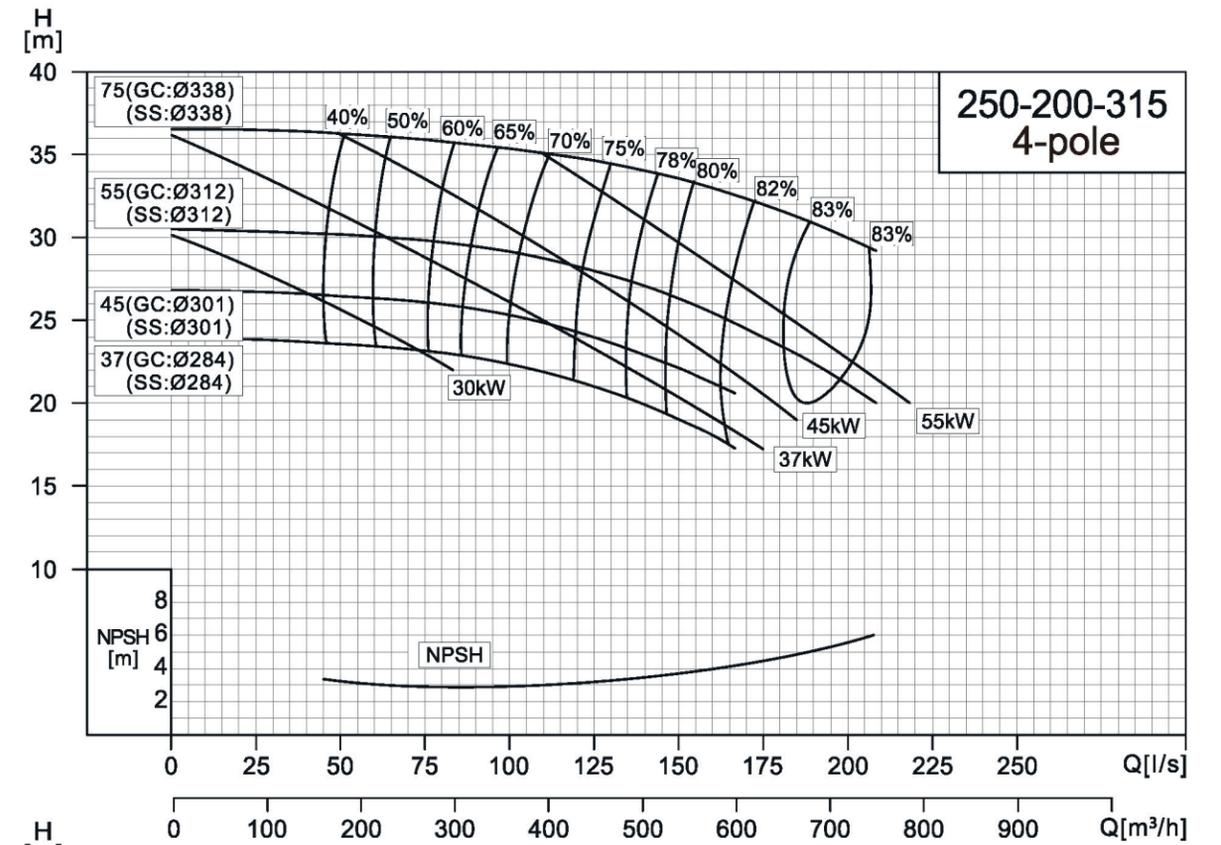
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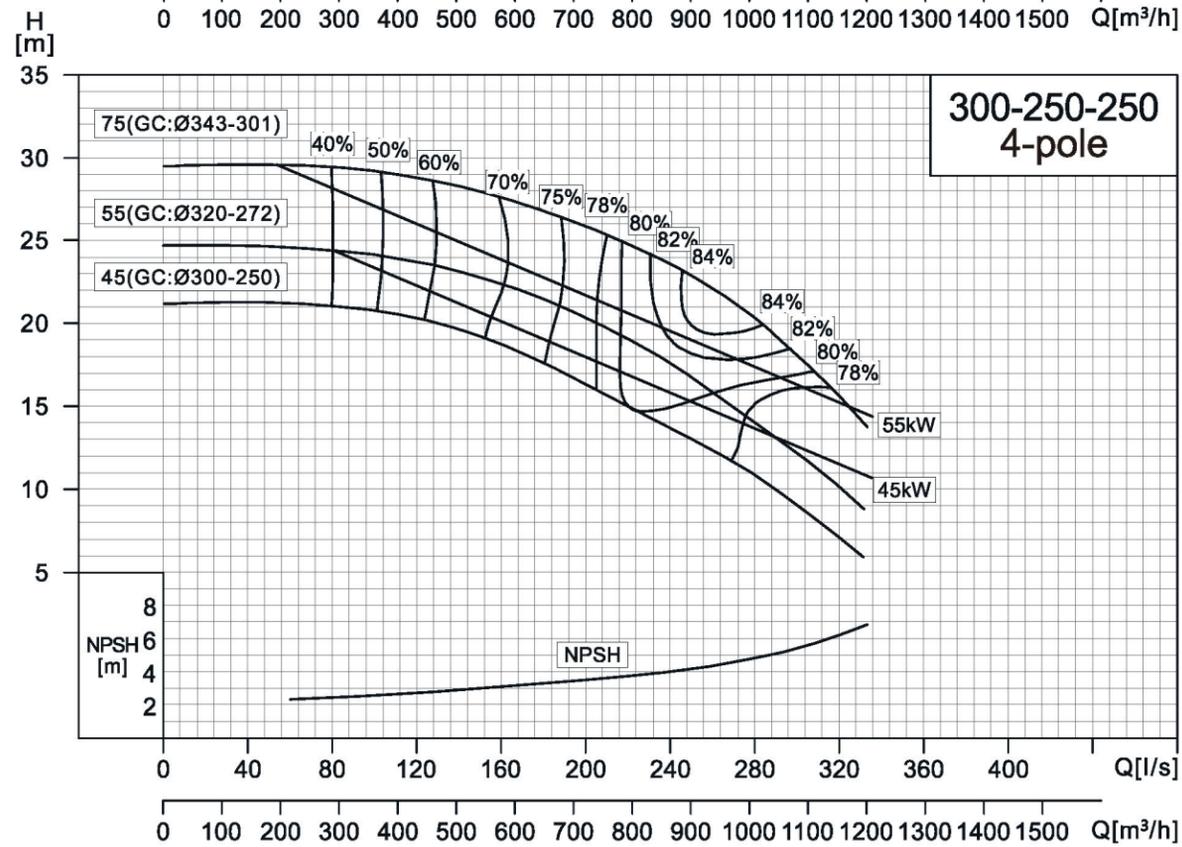
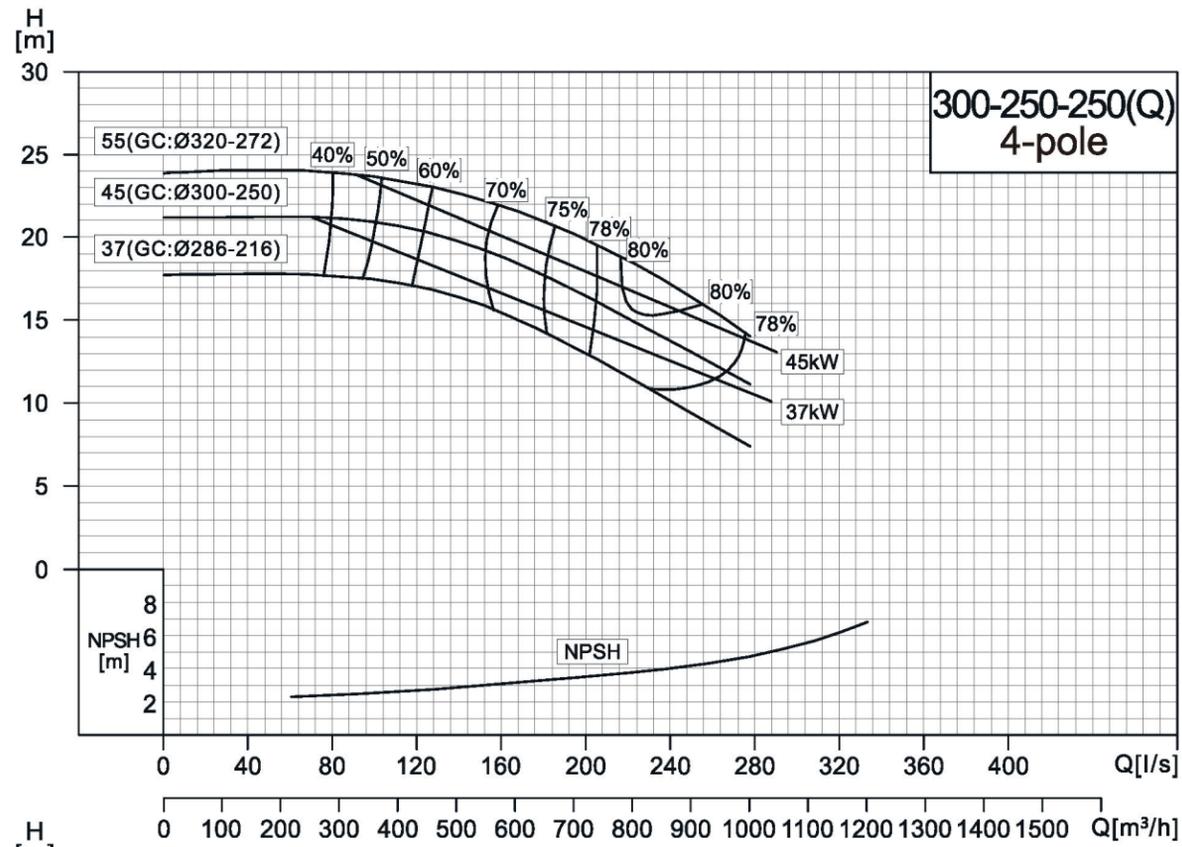
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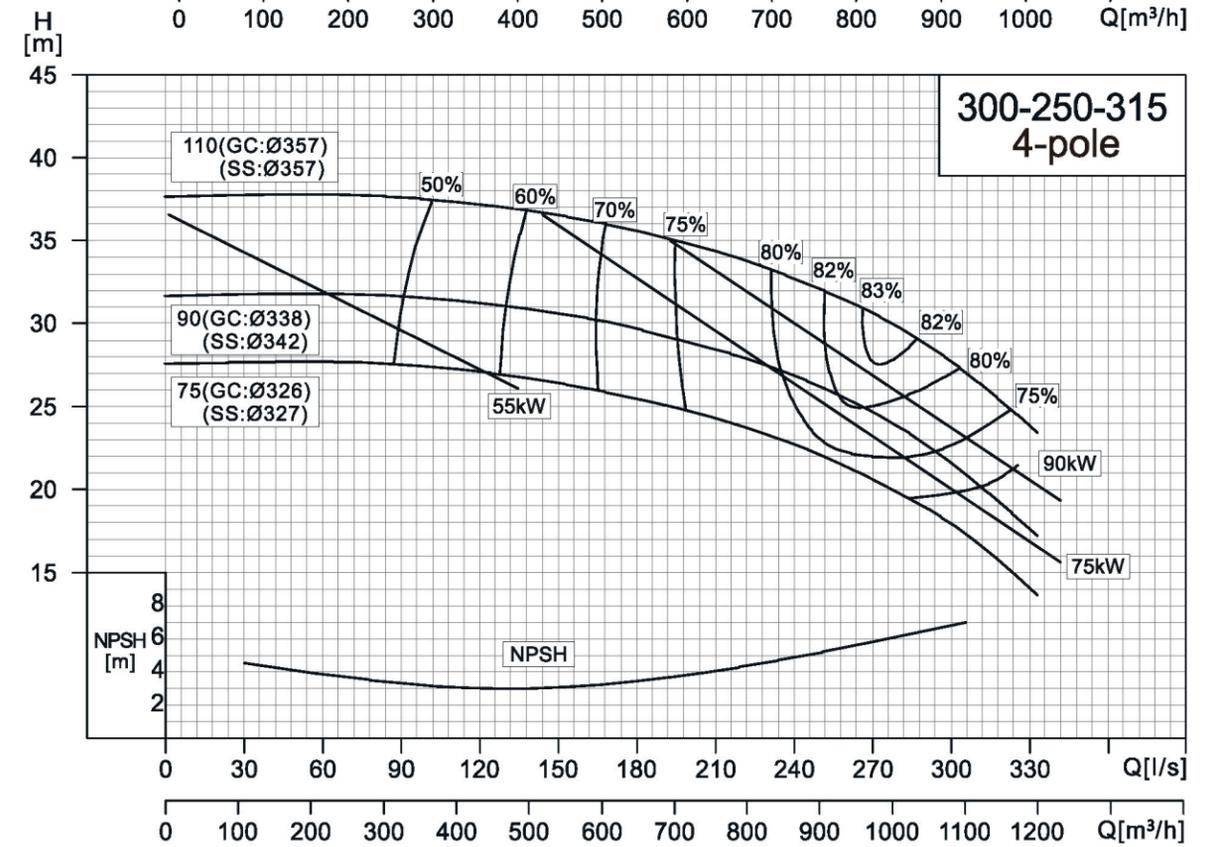
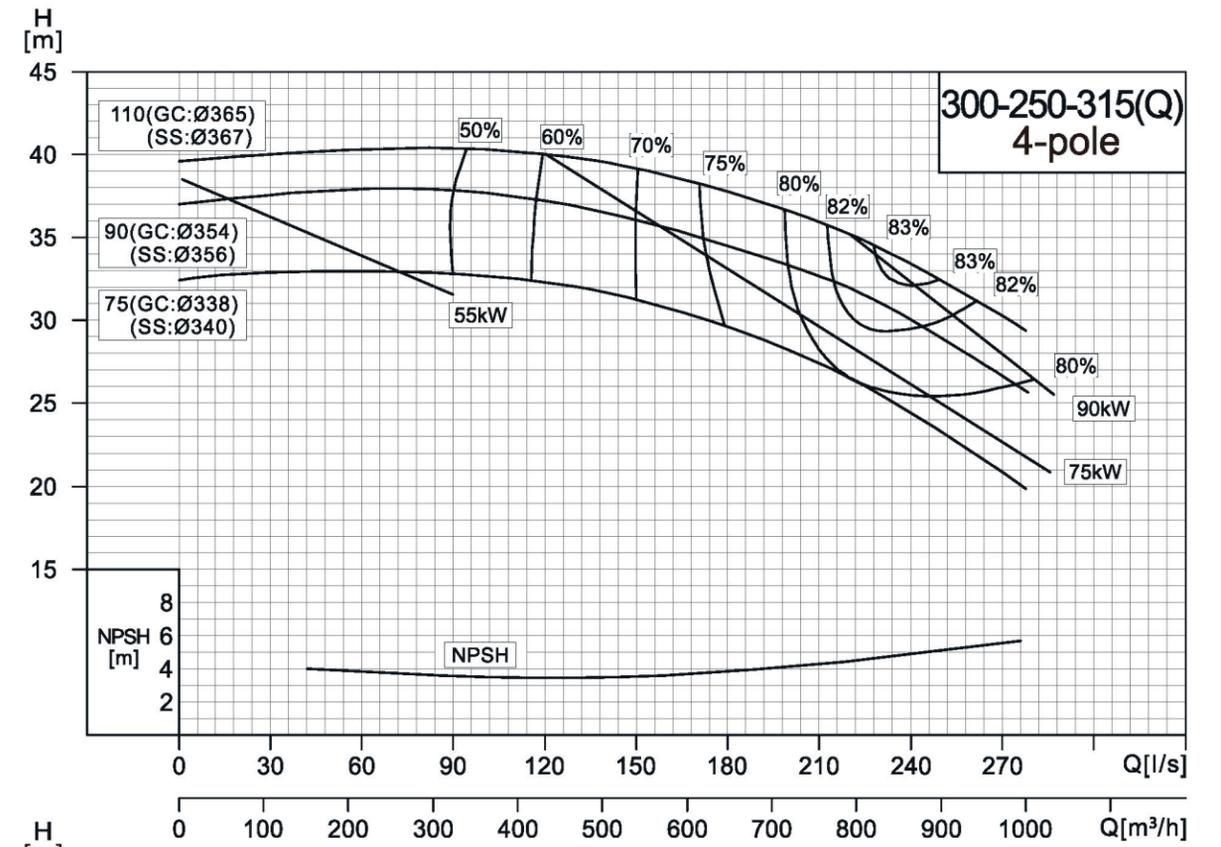
Performance curve

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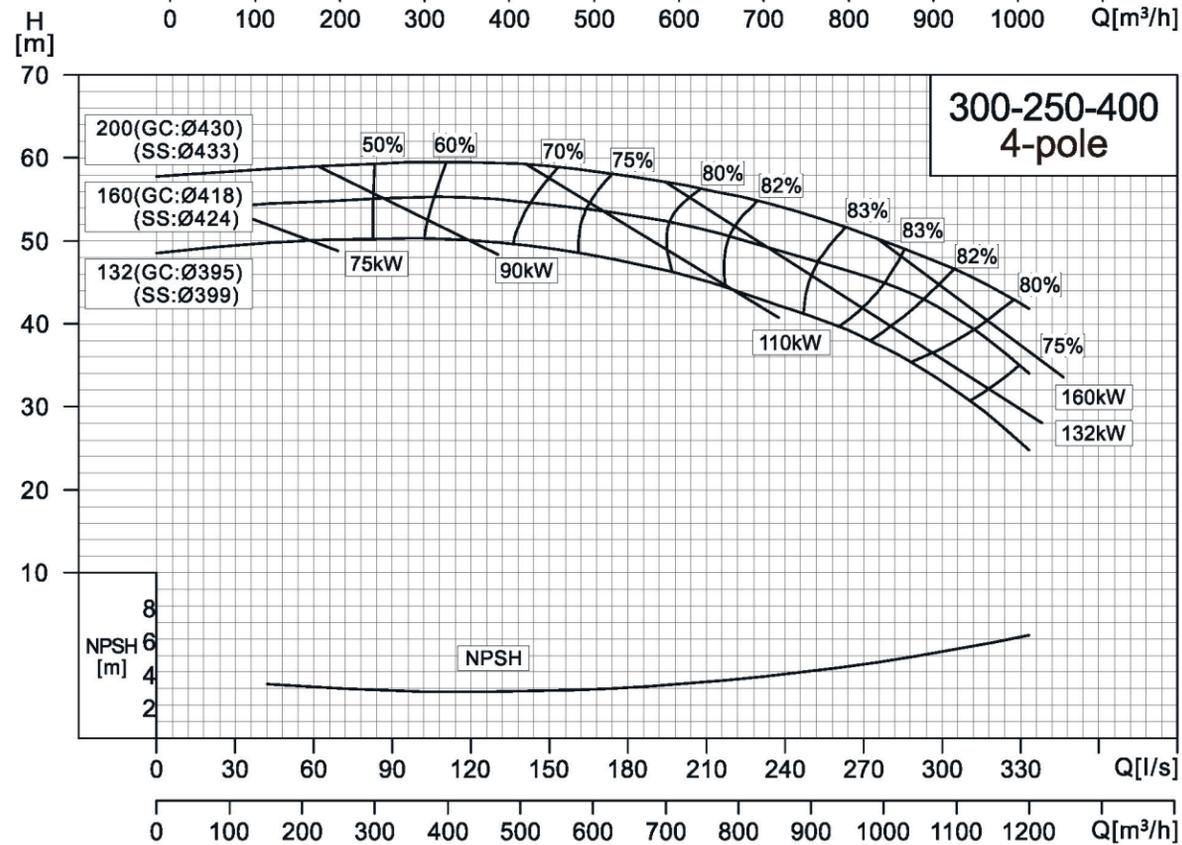
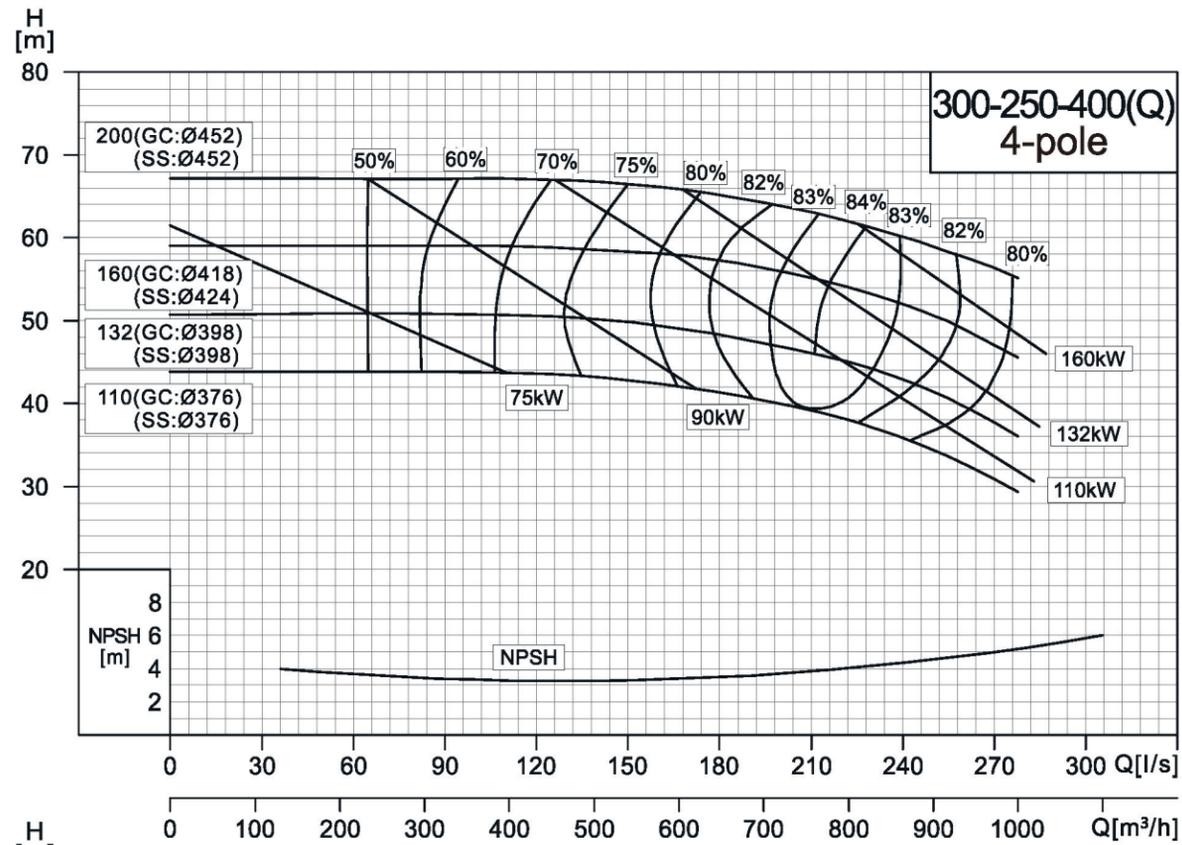
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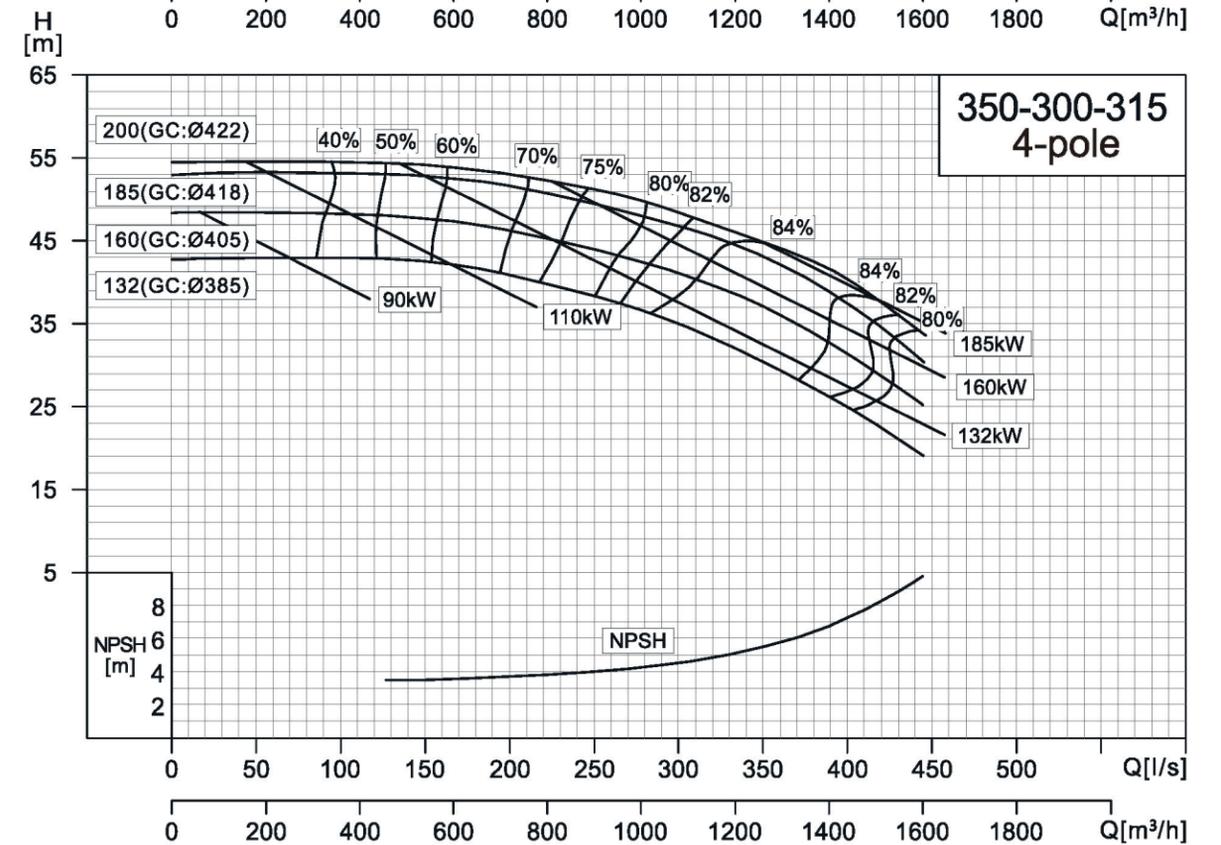
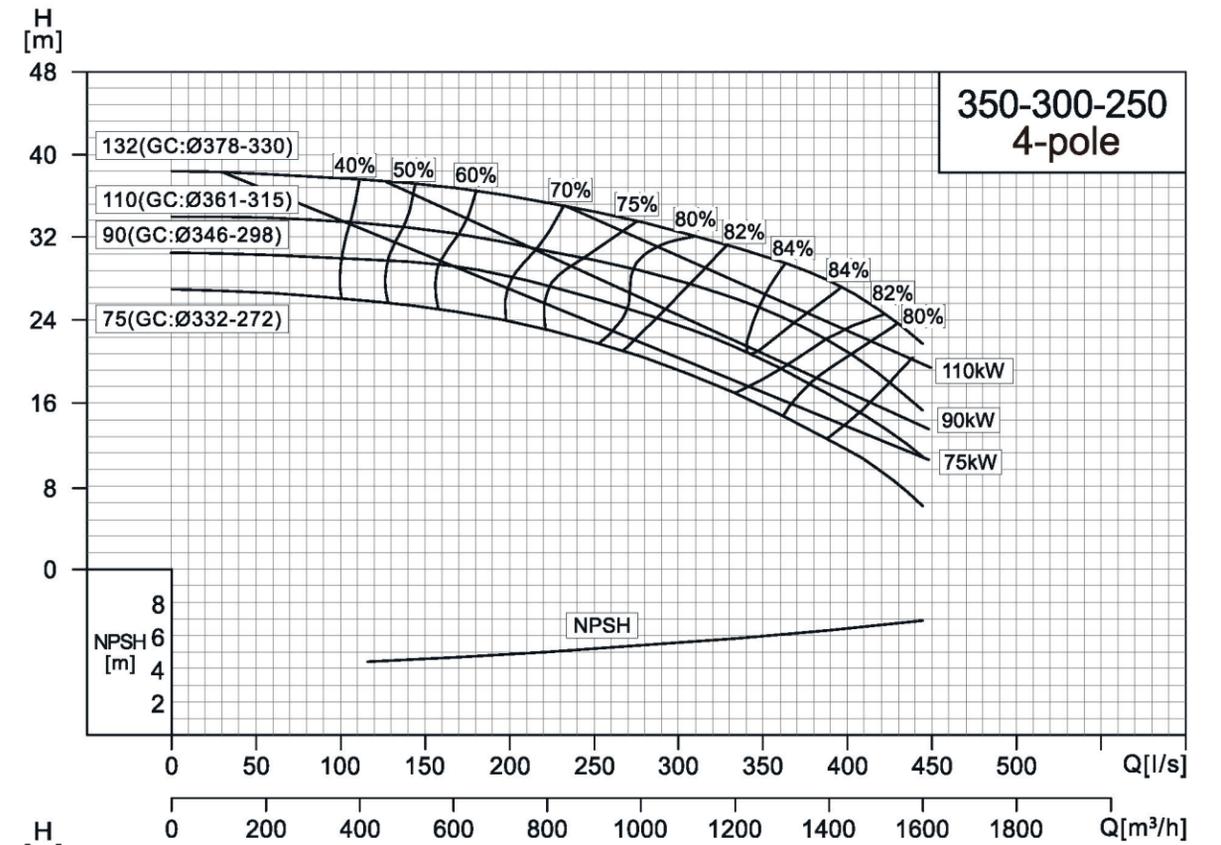
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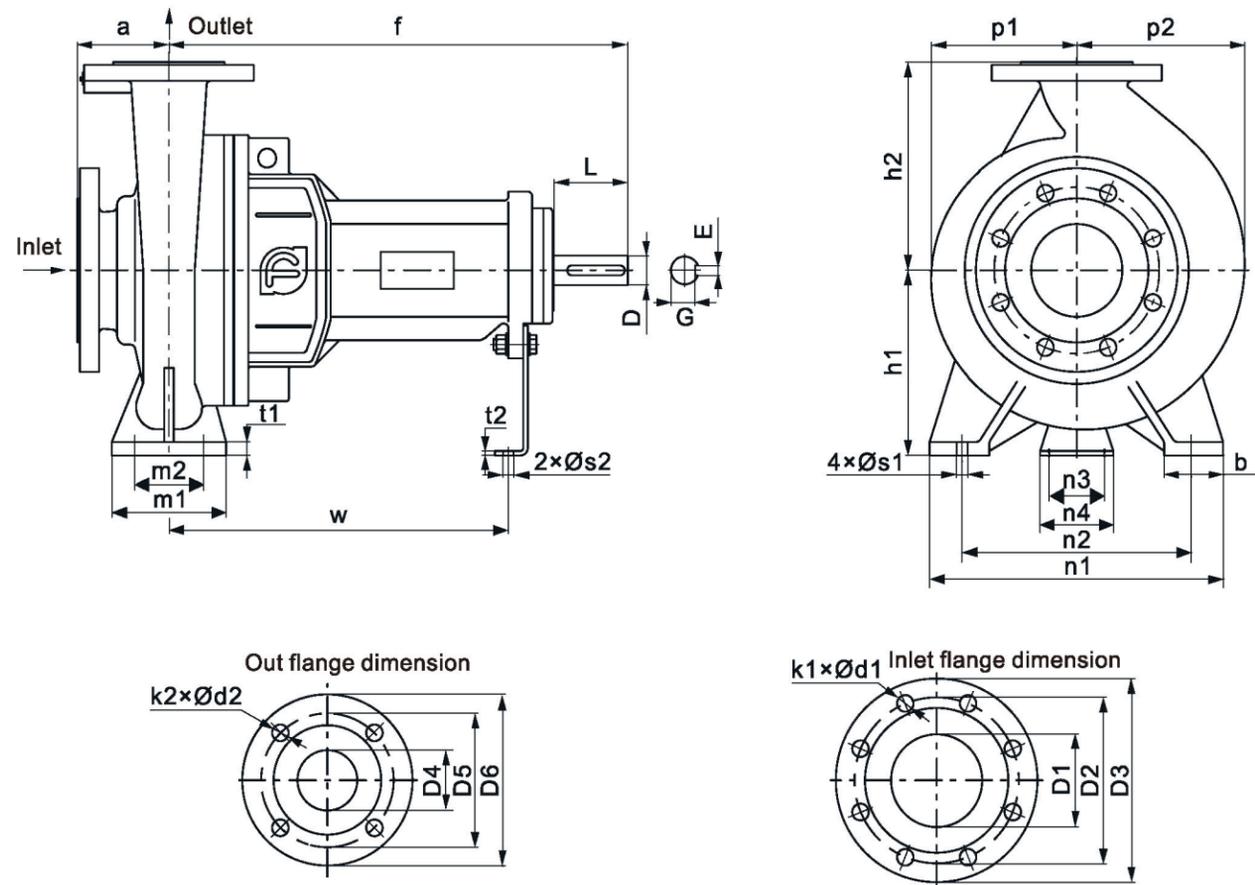


Performance curve

NISO,NIS,NISF350-300-250/350-300-315



NISO Dimension drawing



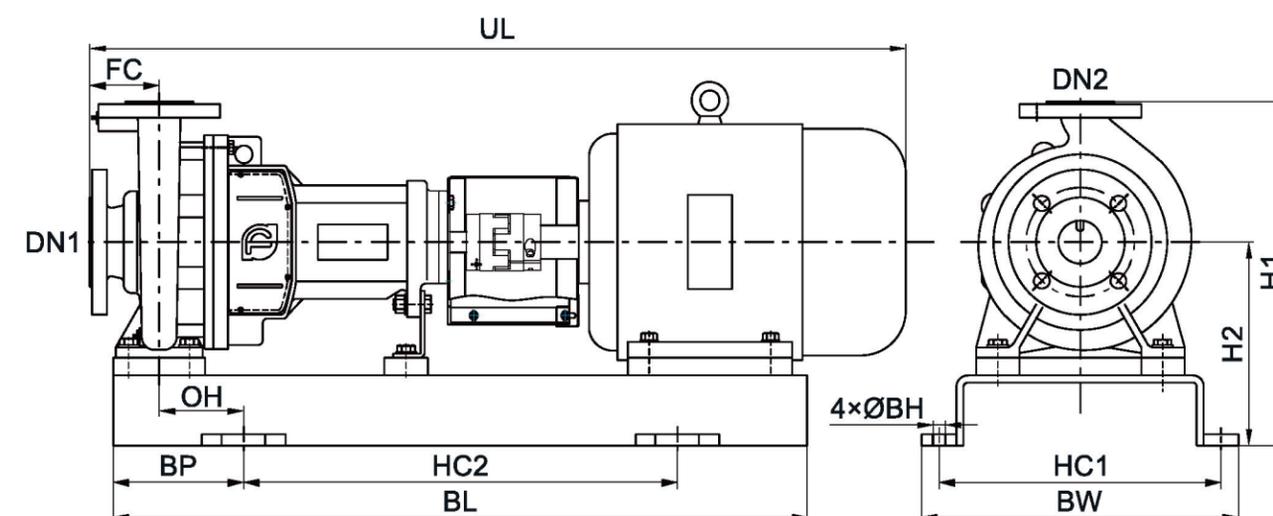
NISO Dimension table

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	13.5	14
2	50-32-200	80	385	160	180	50	139	147	100	70	240	190	110	160	12	6	285	13.5	14
3	65-50-160	80	385	132	160	50	121	136	100	70	240	190	110	160	12	6	285	13.5	14
4	65-40-200	100	385	160	180	50	140	151	100	70	265	212	110	160	13	6	285	13.5	14
5	65-40-250	100	500	180	225	65	166	176	125	95	320	250	110	160	14	6	370	13.5	14
6	65-40-315	125	500	200	250	65	194	200	125	95	345	280	110	160	16	6	370	13.5	14
7	80-65-160	100	385	160	180	50	124	143	100	70	265	212	110	160	13	6	285	13.5	14
8	80-50-200	100	385	160	200	52	147	161	100	70	265	212	110	160	13	6	285	13.5	14
9	80-50-250	125	500	180	225	65	167	179	125	95	320	250	110	160	15	6	370	13.5	14
10	80-50-315	125	500	225	280	65	204	215	125	95	345	280	110	160	18	6	370	13.5	14
11	100-65-200	100	500	180	225	65	159	183	125	95	320	250	110	160	14	6	370	13.5	14
12	100-65-250	125	500	200	250	80	180	201	160	120	360	280	110	160	16	6	370	17.5	14
13	100-65-315	125	530	225	280	80	210	228	160	120	400	315	110	160	18	6	370	17.5	14
14	100-80-160	100	500	160	200	65	132	160	125	95	280	212	110	160	14	6	370	13.5	14
15	125-80-400	125	530	280	355	80	261	279	160	120	435	355	110	160	20	6	370	17.5	14
16	125-100-200	125	500	200	280	80	175	210	160	120	360	280	110	160	17	6	370	17.5	14
17	125-100-250	140	530	225	280	80	193	225	160	120	400	315	110	160	18	6	370	17.5	14
18	125-100-315	140	530	250	315	80	224	250	160	120	400	315	110	160	19	6	370	17.5	14
19	125-100-400	140	530	280	355	100	265	287	200	150	500	400	110	160	20	6	370	17.5	14
20	150-125-250	140	530	250	355	80	204	244	160	120	400	315	110	160	19	6	370	17.5	14
21	150-125-315	140	530	280	355	100	236	271	200	150	500	400	110	160	20	6	370	21.5	14
22	150-125-400	140	530	315	400	100	273	301	200	150	500	400	110	160	21	6	370	21.5	14
23	200-150-315	160	670	315	400	82	255	304	200	150	515	450	140	180	25	10	500	21.5	18
24	200-150-400	160	670	315	450	82	291	330	200	150	515	450	140	180	25	10	500	21.5	18
25	250-200-315	180	670	315	450	82	278	344	200	150	515	450	140	180	25	10	500	21.5	18
26	250-200-400	180	670	380	450	82	314	367	200	150	515	450	140	180	25	10	500	21.5	18
27	300-250-315(Q)	225	698	375	455	120	303	381	300	250	710	600	140	180	25	10	528	26	18
28	300-250-400(Q)	225	676	425	500	120	328	395	300	250	710	600	140	180	25	12	506	26	18
29	300-250-315	225	698	375	455	120	303	381	300	250	710	600	140	180	25	10	528	26	18
30	300-250-400	225	676	425	500	120	328	395	300	250	710	600	140	180	25	12	506	26	18

NISO Dimension table

No.	Model	Inlet flange dimension					Outlet flange dimension					Shaft extension dimension				Weight (kg)
		D1	D2	D3	k1	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	2-pole
															Total weight (kg)
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	260	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
65-40-200	7.5	440	260	325	500	365	800	150	14	97.5	961	100	65	40	145
	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
65-40-250	18.5	505	280	380	800	420	1080	140	18	73.5	1282	100	65	40	255
	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
65-40-315	22	550	300	420	800	460	1100	150	18	81.5	1344	125	65	40	307
	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)														2-pole	
		H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	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	
	22	480	280	420	700	460	1000	150	18	96	1194	100	80	50	268	
80-50-250	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	
	75	680	400	620	800	670	1400	300	22	230	1620	125	80	50	703	
80-65-160	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	
	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	
100-65-200	18.5	505	280	380	800	420	1080	140	18	73.5	1282	100	100	65	254	
	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	
100-65-250	45	590	340	510	800	560	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	
100-65-315	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	
100-80-160	11	460	260	380	800	420	1080	140	18	73.5	1212	100	100	80	221	
	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	460	1100	150	18	83.5	1319	100	100	80	293	
	30	600	320	455	800	495	1200	200	18	119	1412	125	125	100	390	
125-100-200	37	600	320	455	800	495	1200	200	18	119	1412	125	125	100	400	
	45	620	340	510	800	560	1250	225	22	141.5	1466	125	125	100	449	
	55	650	370	575	900	625	1350	225	22	141.5	1547	125	125	100	580	
	75	680	400	620	800	670	1400	300	22	214	1620	125	125	100	699	

NISO Pump set dimension table

Model	Power (kW)														2-pole	
		H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	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)														4-pole	
		H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)	
50-32-160	0.55	392	232	296	500	336	700	100	14	47.5	760	80	50	32	78	
	0.75	392	232	296	500	336	700	100	14	47.5	760	80	50	32	79	
50-32-200	1.1	440	260	296	500	336	750	125	14	72.5	839	80	50	32	89	
	1.5	440	260	296	500	336	750	125	14	72.5	871	80	50	32	91	
65-40-200	1.1	440	260	325	500	365	800	125	14	72.5	869	100	65	40	92	
	1.5	440	260	325	500	365	800	125	14	72.5	901	100	65	40	94	
	2.2	440	260	325	500	365	800	125	14	72.5	940	100	65	40	107	
65-40-250	3	505	280	376	600	416	920	160	14	95	1045	100	65	40	141	
65-40-315	4	550	300	405	600	445	900	150	14	85	1095	125	65	40	171	
	5.5	550	300	405	600	445	950	175	14	110	1101	125	65	40	192	
65-50-160	0.55	392	232	296	500	336	700	100	14	47.5	760	80	65	50	81	
	0.75	392	232	296	500	336	700	100	14	47.5	760	80	65	50	81	
	1.1	392	232	296	500	336	750	100	14	47.5	839	80	65	50	85	
80-50-200	1.5	460	260	325	500	365	800	125	14	72.5	901	100	80	50	96	
	2.2	460	260	325	500	365	800	125	14	72.5	930	100	80	50	109	
	3	460	260	325	500	365	800	125	14	72.5	930	100	80	50	113	
80-50-250	4	505	280	376	600	416	920	160	14	95	1092	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	
80-65-160	0.75	440	260	325	500	365	700	100	14	47.5	780	100	80	65	84	
	1.1	440	260	325	500	365	800	125	14	72.5	869	100	80	65	91	
	1.5	440	260	325	500	365	800	125	14	72.5	901	100	80	65	93	

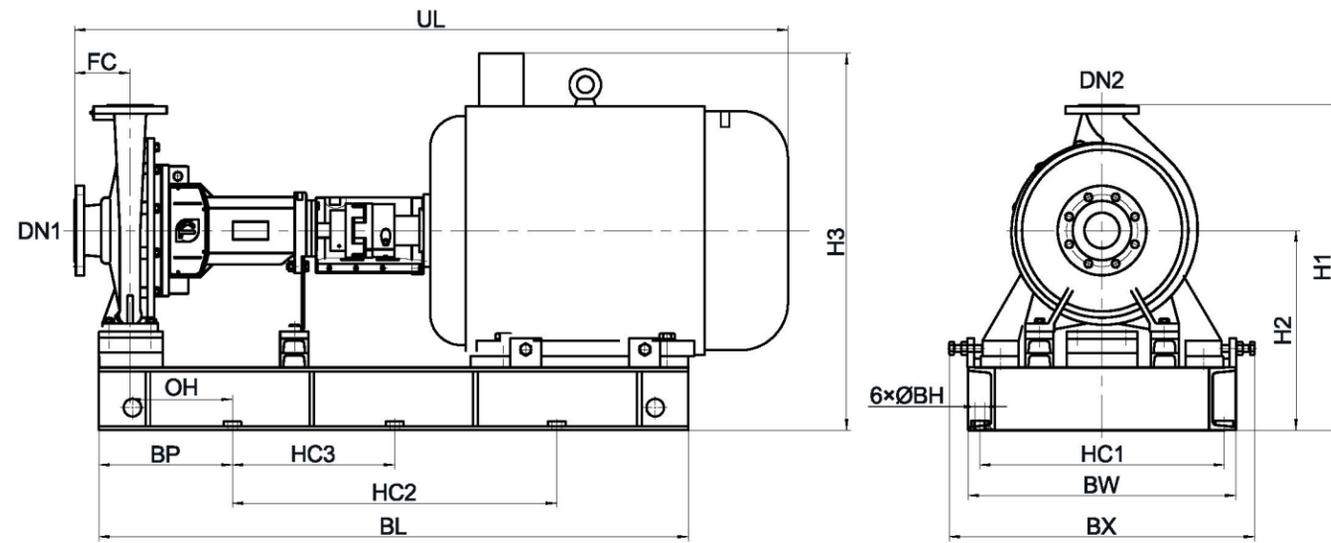
NISO Pump set dimension table

Model	Power (kW)	4-pole													
		H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
100-65-200	3	505	280	376	600	416	920	160	14	95	1045	100	100	65	140
	4	505	280	376	600	416	920	160	14	95	1067	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	890	130	14	65	1006	100	100	80	124
	2.2	460	260	340	600	380	890	130	14	65	1035	100	100	80	135
	3	460	260	340	600	380	890	130	14	65	1035	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
	30	735	380	510	800	560	1220	210	22	126.5	1442	125	125	80	474
	37	755	400	510	800	560	1250	225	22	141.5	1481	125	125	80	548
125-100-200	4	580	300	420	600	460	900	150	14	70	1095	125	125	100	171
	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
125-100-250	15	605	325	460	800	500	1120	160	18	80	1322	140	125	100	312
125-100-315	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
	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
125-100-400	30	735	380	570	800	620	1220	210	22	110	1447	140	125	100	478
	37	755	400	575	900	625	1300	200	22	100	1496	140	125	100	552
	45	755	400	575	900	625	1300	200	22	100	1531	140	125	100	581
150-125-250	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)	4-pole													
		H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
150-125-315	30	735	380	570	800	620	1220	210	22	110	1447	140	150	125	483
	37	755	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
	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
200-150-400	75	835	435	625	1000	675	1600	300	22	200	1835	160	200	150	903
	90	885	435	625	1000	675	1600	300	22	200	1835	160	200	150	973
250-200-315	110	885	435	710	1200	760	1700	250	22	150	2124	160	200	150	1467
	37	885	435	620	800	670	1400	300	22	200	1676	180	250	200	663
250-200-400	45	885	435	595	900	645	1500	300	22	200	1711	180	250	200	694
	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
300-250-315(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
	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
300-250-315	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
	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	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
	90	950	495	800	1150	850	1700	275	22	125	1983	225	300	250	1603
300-250-315	110	950	495	800	1250	850	1800	275	22	125	2228	225	300	250	1931
	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

NISO Dimension drawing of pump set(Channel steel structure)



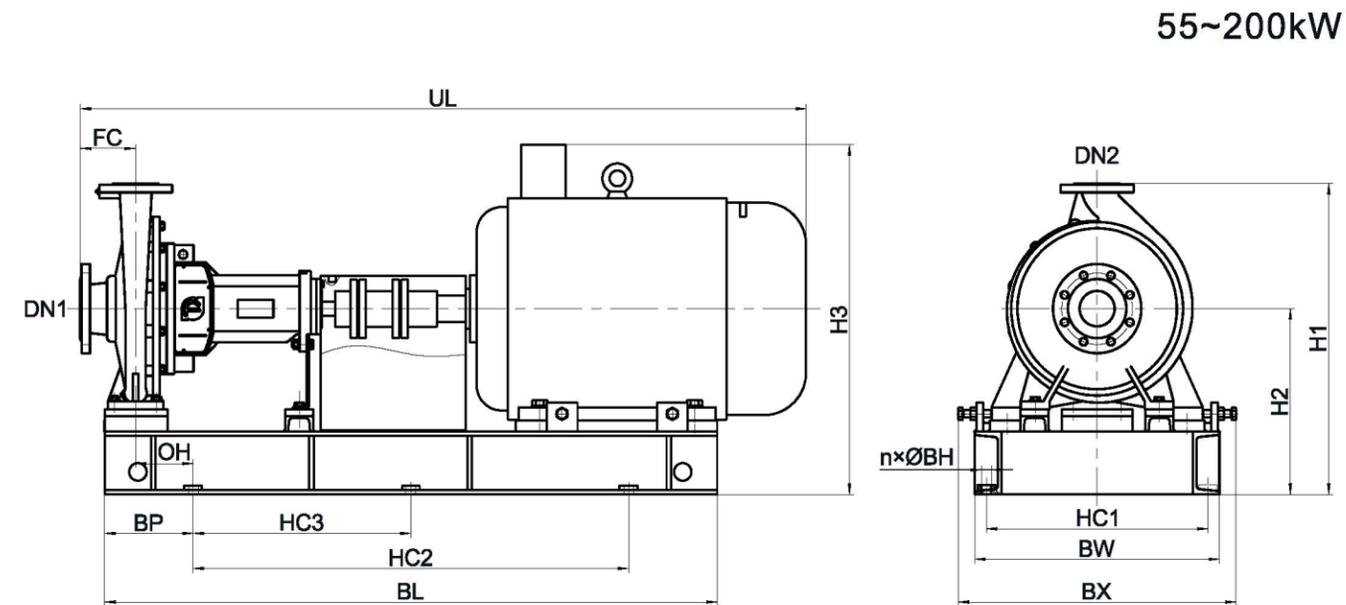
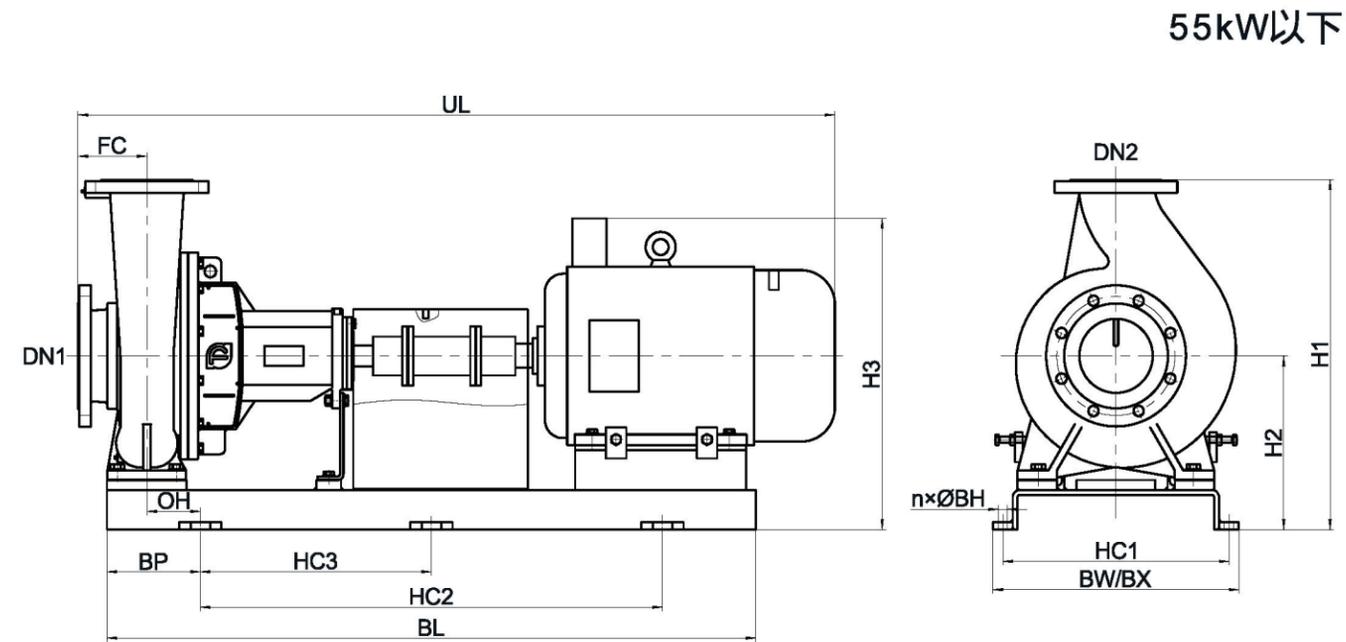
NISO Dimension table of pump set(Channel steel structure)

																		2-pole	
Model	Power (kW)	H1	H2	H3	HC1	HC2	HC3	BW	BX	BL	BP	6×ØBH	OH	UL	FC	DN1	DN2	Total weight (kg)	
80-50-315	55	695	415	782	500	880	440	552	605	1280	200	22	130	1546	125	80	50	564	
	75	725	445	840	550	730	365	602	665	1326	300	22	230	1605	125	80	50	685	
100-65-250	55	665	415	782	500	840	420	552	605	1294	225	22	141.5	1546	125	100	65	564	
	75	695	445	840	550	740	370	602	665	1342	300	22	214	1605	125	100	65	679	
100-65-315	90	725	445	840	550	870	435	602	665	1422	275	22	189	1685	125	100	65	752	
	110	760	480	1013	600	980	480	655	750	1482	250	22	164	1867	125	100	65	1235	
125-100-200	55	695	415	782	500	840	420	552	605	1294	225	22	141.5	1546	125	125	100	568	
	75	725	445	840	550	740	370	602	665	1342	300	22	214	1605	125	125	100	683	
125-100-250	75	725	445	840	550	770	385	602	665	1372	300	22	214	1650	140	125	100	719	
	90	725	445	840	550	870	435	602	665	1422	275	22	189	1701	140	125	100	755	
	110	760	480	1013	600	980	490	655	750	1482	250	22	164	1882	140	125	100	1235	
125-100-315	90	760	445	840	550	870	435	602	665	1422	275	22	189	1700	140	125	100	765	
	110	795	480	1013	600	980	490	655	750	1482	250	22	164	1882	140	125	100	1194	
	132	795	480	1013	600	1030	515	655	750	1592	280	22	194	1992	140	125	100	1300	
	160	795	480	1013	600	1030	515	655	750	1592	280	22	194	1992	140	125	100	1397	

NISO Dimension table of pump set(Channel steel structure)

																		4-pole	
Model	Power (kW)	H1	H2	H3	HC1	HC2	HC3	BW	BX	BL	BP	6×ØBH	OH	UL	FC	DN1	DN2	Total weight (kg)	
150-125-400	55	880	480	847	500	890	445	552	605	1345	225	22	125	1591	140	150	125	699	
	75	880	480	875	500	800	400	552	665	1400	300	22	200	1665	140	150	125	827	
200-150-315	55	880	480	875	550	880	440	602	605	1485	300	22	200	1752	160	200	150	745	
	75	880	480	875	550	940	470	602	675	1546	300	22	200	1820	160	200	150	874	
200-150-400	75	930	480	875	550	940	470	602	675	1546	300	22	200	1820	160	200	150	944	
	90	930	480	875	550	1000	500	602	665	1596	300	22	200	1871	160	200	150	996	
	110	930	480	1013	600	1180	590	655	750	1678	250	22	150	2082	160	200	150	1411	
250-200-315	55	930	480	847	550	880	440	602	605	1485	300	22	200	1771	180	250	200	781	
	75	930	480	875	550	940	470	602	675	1546	300	22	200	1840	180	250	200	914	
250-200-400	90	995	545	940	535	1000	500	590	665	1596	300	22	200	1891	180	250	200	1060	
	110	995	545	1078	600	1180	590	655	750	1678	250	22	150	2102	180	250	200	1460	
	132	995	545	1078	600	1220	610	655	750	1776	275	22	175	2202	180	250	200	1531	
	160	995	545	1078	600	1220	610	655	750	1776	275	22	175	2202	180	250	200	1635	
300-250-315 (Q)	75	995	540	935	700	1150	575	752	752	1702	275	22	125	1913	225	300	250	1466	
	90	995	540	935	700	1150	575	752	752	1702	275	22	125	1964	225	300	250	1544	
	110	995	540	1073	700	1190	595	752	752	1745	275	22	125	2166	225	300	250	1838	
300-250-400 (Q)	110	1090	590	1123	700	1170	585	752	752	1881	275	22	125	2144	225	300	250	1896	
	132	1090	590	1123	700	1330	665	752	788	1881	275	22	125	2254	225	300	250	2002	
	160	1090	590	1123	700	1330	665	752	788	1881	275	22	125	2254	225	300	250	2062	
300-250-315	200	1090	590	1123	700	1330	665	752	788	1881	275	22	125	2254	225	300	250	2177	
	75	995	540	935	700	1150	575	752	752	1702	275	22	125	1913	225	300	250	1466	
	90	995	540	935	700	1150	575	752	752	1702	275	22	125	1964	225	300	250	1544	
300-250-400	110	995	540	1073	700	1190	595	752	752	1745	275	22	125	2166	225	300	250	1838	
	132	1090	590	1123	700	1330	665	752	788	1881	275	22	125	2254	225	300	250	2002	
	160	1090	590	1123	700	1330	665	752	788	1881	275	22	125	2254	225	300	250	2062	
	200	1090	590	1123	700	1330	665	752	788	1881	275	22	125	2254	225	300	250	2177	

NISO Dimension drawing of pump set(Diaphragm coupling structure)



NISO Dimension table of pump set(Diaphragm coupling structure)

																			2-pole
Model	Power (kW)	H1	H2	H3	HC1	HC2	HC3	BW	BX	BL	BP	n	ØBH	OH	UL	FC	DN1	DN2	Total weight (kg)
50-32-160	3	392	232	401	296	600	/	336	336	850	125	4	14	72.5	950	80	50	32	101
	4	392	232	424	296	600	/	336	336	850	125	4	14	72.5	964	80	50	32	109
	5.5	392	232	444	325	620	/	365	365	920	150	4	14	97.5	1032.5	80	50	32	133
50-32-160*	3	392	232	401	296	600	/	336	336	850	125	4	14	59.5	937	80	50	32	101
	4	392	232	424	296	600	/	336	336	850	125	4	14	59.5	951	80	50	32	109
	5.5	392	232	444	325	620	/	365	365	920	150	4	14	84.5	1019.5	80	50	32	133
50-32-200	7.5	440	260	472	340	660	/	380	380	920	130	4	14	77.5	1032.5	80	50	32	152
	11	440	260	520	380	690	345	420	420	1050	175	6	18	121	1181	80	50	32	191
65-40-200	7.5	440	260	472	325	620	/	365	365	920	150	4	14	97.5	1052.5	100	65	40	151
	11	440	260	520	380	700	350	420	420	1050	175	6	18	121	1200	100	65	40	198
	15	440	260	520	380	700	350	420	420	1050	175	6	18	121	1200	100	65	40	214
65-40-250	18.5	505	280	540	380	940	470	420	420	1220	140	6	18	73.5	1359	100	65	40	264
	22	505	280	557	420	910	455	460	460	1230	150	6	18	81.5	1392	100	65	40	292
	30	525	300	608	460	940	470	500	500	1320	190	6	18	121.5	1476	100	65	40	374
65-40-315	22	550	300	577	420	930	465	460	460	1230	150	6	18	81.5	1417	125	65	40	308
	30	570	320	628	455	910	455	495	495	1310	200	6	18	131.5	1501	125	65	40	387
	37	570	320	628	455	910	455	495	495	1310	200	6	18	131.5	1501	125	65	40	398
65-50-160	45	590	340	671	510	880	440	560	560	1380	225	6	22	155	1534	125	65	40	458
	4	392	232	424	296	600	/	336	336	850	125	4	14	72.5	964	80	65	50	112
	5.5	392	232	444	325	620	/	365	365	920	150	4	14	97.5	1032.5	80	65	50	135
65-50-160*	7.5	392	232	444	325	620	/	365	365	920	150	4	14	97.5	1032.5	80	65	50	141
	4	392	232	424	296	600	/	336	336	850	125	4	14	59.5	951	80	65	50	112
	5.5	392	232	444	325	620	/	365	365	920	150	4	14	84.5	1019.5	80	65	50	135
80-50-200	7.5	392	232	444	325	620	/	365	365	920	150	4	14	84.5	1019.5	80	65	50	141
	11	460	260	520	380	690	345	420	420	1050	175	6	18	121	1200	100	80	50	203
	15	460	260	520	380	690	345	420	420	1050	175	6	18	121	1200	100	80	50	219
80-50-250	18.5	460	260	520	380	690	345	420	420	1050	175	6	18	121	1244	100	80	50	231
	22	480	280	557	420	750	375	460	460	1100	150	6	18	96	1277	100	80	50	279
	30	525	300	608	460	940	470	500	500	1320	190	6	18	121.5	1501	125	80	50	378
80-50-315	37	525	300	608	460	940	470	500	500	1320	190	6	18	121.5	1501	125	80	50	388
	37	625	345	653	455	910	455	495	495	1310	200	6	18	131.5	1501	125	80	50	407
	45	625	345	676	510	880	440	560	560	1380	225	6	22	155	1534	125	80	50	465
80-65-160	55	695	415	782	500	980	490	552	605	1375	200	6	22	130	1639	125	80	50	574
	75	725	445	840	550	860	430	602	665	1461	300	6	22	230	1740	125	80	50	701
80-65-160	5.5	440	260	472	325	620	/	365	365	920	150	4	14	97.5	1052.5	100	80	65	145

NISO Dimension table of pump set(Diaphragm coupling structure)

2-pole

Model	Power (kW)	H1	H2	H3	HC1	HC2	HC3	BW	BX	BL	BP	n	ØBH	OH	UL	FC	DN1	DN2	Total weight (kg)
80-65-160	7.5	440	260	472	325	620	/	365	365	920	150	4	14	97.5	1052.5	100	80	65	150
	11	440	260	520	380	690	345	420	420	1050	175	6	18	121	1200	100	80	65	197
	15	440	260	520	380	690	345	420	420	1050	175	6	18	121	1200	100	80	65	212
80-65-160*	5.5	440	260	472	325	620	/	365	365	920	150	4	14	84.5	1039.5	100	80	65	145
	7.5	440	260	472	325	620	/	365	365	920	150	4	14	84.5	1039.5	100	80	65	150
	11	440	260	520	380	690	345	420	420	1050	175	6	18	108	1187	100	80	65	197
100-65-200	18.5	505	280	540	380	940	470	420	420	1220	140	6	18	73.5	1399	100	100	65	265
	22	505	280	557	420	910	455	460	460	1230	150	6	18	81.5	1432	100	100	65	301
	30	525	300	608	460	940	470	500	500	1320	190	6	18	121.5	1516	100	100	65	364
100-65-250	37	525	300	608	460	940	470	500	500	1320	190	6	18	121.5	1516	100	100	65	374
	45	590	340	671	510	880	440	560	560	1380	225	6	22	141.5	1534	125	100	65	460
	55	665	415	782	500	940	470	552	605	1392	225	6	22	141.5	1639	125	100	65	574
100-65-315	75	695	445	840	550	880	440	602	665	1477	300	6	22	214	1740	125	100	65	694
	90	725	445	840	550	1000	500	602	665	1557	275	6	22	189	1821	125	100	65	766
	110	760	480	1013	600	1110	555	655	750	1613	250	6	22	164	1998	125	100	65	1249
100-80-160	11	460	260	520	380	910	455	420	420	1220	150	6	18	83.5	1355	100	100	80	230
	15	460	260	520	380	910	455	420	420	1220	150	6	18	83.5	1355	100	100	80	246
	18.5	460	260	520	380	910	455	420	420	1220	150	6	18	83.5	1399	100	100	80	261
100-80-160*	22	480	280	557	420	920	460	460	460	1230	150	6	18	83.5	1432	100	100	80	304
	11	460	260	520	380	940	470	420	420	1220	140	6	18	73.5	1241	100	100	80	230
	15	460	260	520	380	940	470	420	420	1220	140	6	18	73.5	1241	100	100	80	246
125-100-200	18.5	460	260	520	380	940	470	420	420	1220	140	6	18	73.5	1285	100	100	80	261
	22	480	280	557	420	930	465	460	460	1230	150	6	18	83.5	1318	100	100	80	304
	30	600	320	628	455	910	455	495	495	1310	200	6	18	119	1541	125	125	100	405
125-100-250	37	600	320	628	455	910	455	495	495	1310	200	6	18	119	1541	125	125	100	415
	45	620	340	671	510	880	440	560	560	1380	225	6	22	141.5	1569	125	125	100	466
	55	695	415	782	500	940	470	552	605	1392	225	6	22	141.5	1639	125	125	100	579
125-100-315	75	725	445	840	550	880	440	602	665	1477	300	6	22	214	1740	125	125	100	699
	90	725	445	840	550	1000	500	602	665	1557	275	6	22	189	1835	140	125	100	733
	110	760	480	1013	600	1110	555	655	750	1613	250	6	22	164	2013	140	125	100	1249
125-100-315	132	795	480	1013	600	1160	580	655	750	1723	280	6	22	194	2123	140	125	100	1314
	160	795	480	1013	600	1160	580	655	750	1723	280	6	22	194	2123	140	125	100	1411

NISO Dimension table of pump set(Diaphragm coupling structure)

4-pole

Model	Power (kW)	H1	H2	H3	HC1	HC2	HC3	BW	BX	BL	BP	n	ØBH	OH	UL	FC	DN1	DN2	Total weight (kg)
50-32-160	0.55	392	232	369	296	650	/	336	336	850	100	4	14	47.5	854	80	50	32	82
	0.75	392	232	369	296	650	/	336	336	850	100	4	14	47.5	854	80	50	32	83
50-32-160*	0.55	392	232	369	296	650	/	336	336	850	100	4	14	34.5	841	80	50	32	78
	0.75	392	232	369	296	650	/	336	336	850	100	4	14	34.5	841	80	50	32	79
50-32-200	1.1	440	260	415	296	600	/	336	336	850	125	4	14	72.5	883	80	50	32	94
	1.5	440	260	415	296	600	/	336	336	850	125	4	14	72.5	953	80	50	32	96
65-40-200	1.1	440	260	415	325	670	/	365	365	920	125	4	14	72.5	903	100	65	40	94
	1.5	440	260	415	325	670	/	365	365	920	125	4	14	72.5	973	100	65	40	96
	2.2	440	260	429	325	670	/	365	365	920	125	4	14	72.5	1024.5	100	65	40	108
65-40-250	3	505	280	449	376	730	365	416	416	1050	160	6	14	95	1139.5	100	65	40	145
65-40-315	4	550	300	492	405	700	350	445	445	1050	150	6	14	85	1192	125	65	40	174
	5.5	550	300	512	405	700	350	445	445	1050	175	6	14	110	1192.5	125	65	40	189
65-50-160	0.55	392	232	369	296	650	/	336	336	850	100	4	14	47.5	854	80	65	50	85
	0.75	392	232	369	296	650	/	336	336	850	100	4	14	47.5	854	80	65	50	85
	1.1	392	232	387	296	650	/	336	336	850	100	4	14	47.5	883	80	65	50	86
65-50-160*	0.55	392	232	369	296	650	/	336	336	850	100	4	14	34.5	841	80	65	50	85
	0.75	392	232	369	296	650	/	336	336	850	100	4	14	34.5	841	80	65	50	85
	1.1	392	232	387	296	650	/	336	336	850	100	4	14	34.5	870	80	65	50	86
80-50-200	1.5	460	260	415	325	670	/	365	365	920	125	4	14	72.5	973	100	80	50	98
	2.2	460	260	429	325	670	/	365	365	920	125	4	14	72.5	1024.5	100	80	50	110
	3	460	260	429	325	670	/	365	365	920	125	4	14	72.5	1024.5	100	80	50	114
80-50-250	4	505	280	472	376	730	365	416	416	1050	160	6	14	95	1192	125	80	50	160
	5.5	505	280	492	376	730	365	416	416	1050	160	6	14	95	1192	125	80	50	174
80-50-315	5.5	605	325	537	405	700	350	445	445	1050	175	6	18	108.5	1192.5	125	80	50	206
	7.5	605	325	537	405	700	350	445	445	1050	175	6	18	108.5	1192.5	125	80	50	218
80-65-160	0.75	440	260	397	325	600	/	365	365	800	100	4	14	47.5	874	100	80	65	85
	1.1	440	260	415	325	670	/	365	365	920	125	4	14	72.5	903	100	80	65	93
80-65-160*	1.5	440	260	415	325	670	/	365	365	920	125	4	14	72.5	973	100	80	65	95
	0.75	440	260	397	325	600	/	365	365	800	100	4	14	34.5	861	100	80	65	85
100-65-200	1.1	440	260	415	325	670	/	365	365	920	125	4	14	59.5	890	100	80	65	93
	1.5	440	260	415	325	670	/	365	365	920	125	4	14	59.5	960	100	80	65	95
100-65-200	3	505	280	449	376	730	365	416	416	1050	160	6	14	95	1179.5	100	100	65	145
	4	505	280	472	376	730	365	416	416	1050	160	6	14	95	1207	100	100	65	157

NISO Dimension table of pump set(Diaphragm coupling structure)

4-pole

Model	Power (kW)	H1	H2	H3	HC1	HC2	HC3	BW	BX	BL	BP	n	ØBH	OH	UL	FC	DN1	DN2	Total weight (kg)
100-65-200	5.5	505	280	492	376	730	365	416	416	1050	160	6	14	95	1207.5	100	100	65	171
100-65-250	5.5	550	300	512	420	750	375	460	460	1130	190	6	18	110	1192.5	125	100	65	203
	7.5	550	300	512	420	750	375	460	460	1130	190	6	18	110	1192.5	125	100	65	216
100-65-315	11	605	325	585	460	1000	500	500	500	1320	160	6	18	80	1410	125	100	65	311
	15	605	325	585	460	1000	500	500	500	1320	160	6	18	80	1454	125	100	65	325
100-80-160	1.5	460	260	415	340	770	385	380	380	1030	130	6	14	65	1128	100	100	80	126
	2.2	460	260	429	340	770	385	380	380	1030	130	6	14	65	1179.5	100	100	80	140
	3	460	260	429	340	770	385	380	380	1030	130	6	14	65	1179.5	100	100	80	144
100-80-160*	1.5	460	260	415	340	660	/	380	380	920	130	4	14	65	1014	100	100	80	126
	2.2	460	260	429	340	660	/	380	380	920	130	4	14	65	1065.5	100	100	80	140
	3	460	260	429	340	660	/	380	380	920	130	4	14	65	1065.5	100	100	80	144
125-80-400	15	735	380	640	500	1000	500	540	540	1350	175	6	18	94	1454	125	125	80	363
	18.5	735	380	657	500	930	465	540	540	1350	210	6	18	129	1487	125	125	80	396
	22	735	380	657	510	930	465	560	560	1350	210	6	22	126.5	1525	125	125	80	433
	30	735	380	688	510	930	465	560	560	1350	210	6	22	126.5	1571	125	125	80	489
	37	755	400	731	510	930	465	560	560	1380	225	6	22	141.5	1619	125	125	80	562
125-100-200	4	580	300	492	420	800	400	460	460	1130	150	6	14	70	1232	125	125	100	176
	5.5	580	300	512	420	750	375	460	460	1130	190	6	18	110	1232.5	125	125	100	203
	7.5	580	300	512	420	750	375	460	460	1130	190	6	18	110	1232.5	125	125	100	216
	11	580	300	560	420	930	465	460	460	1230	150	6	18	70	1380	125	125	100	263
125-100-250	15	605	325	585	460	1000	500	500	500	1320	160	6	18	80	1469	140	125	100	325
125-100-315	11	665	350	610	460	940	470	500	500	1320	160	6	18	79	1425	140	125	100	323
	18.5	665	350	627	460	940	470	500	500	1320	190	6	18	109	1502	140	125	100	369
	22	665	350	627	460	940	470	500	500	1320	190	6	18	109	1540	140	125	100	395
	30	665	350	658	510	930	465	560	560	1360	210	6	22	126.5	1586	140	125	100	403
125-100-400	30	735	380	688	570	940	470	620	620	1360	210	6	22	110	1586	140	125	100	493
	37	755	400	731	575	1040	520	625	625	1440	200	6	22	100	1624	140	125	100	577
	45	755	400	731	575	1040	520	625	625	1440	200	6	22	100	1649	140	125	100	604
150-125-250	11	705	350	610	460	940	470	500	500	1320	160	6	18	79	1425	160	150	125	322
	15	705	350	610	460	940	470	500	500	1320	160	6	18	79	1469	140	150	125	337
	18.5	705	350	627	460	940	470	500	500	1320	190	6	18	109	1502	140	150	125	364
	22	705	350	627	460	940	470	500	500	1320	190	6	18	109	1540	140	150	125	390
150-125-315	30	735	380	688	570	940	470	620	620	1360	210	6	22	110	1586	140	150	125	499

NISO Dimension table of pump set(Diaphragm coupling structure)

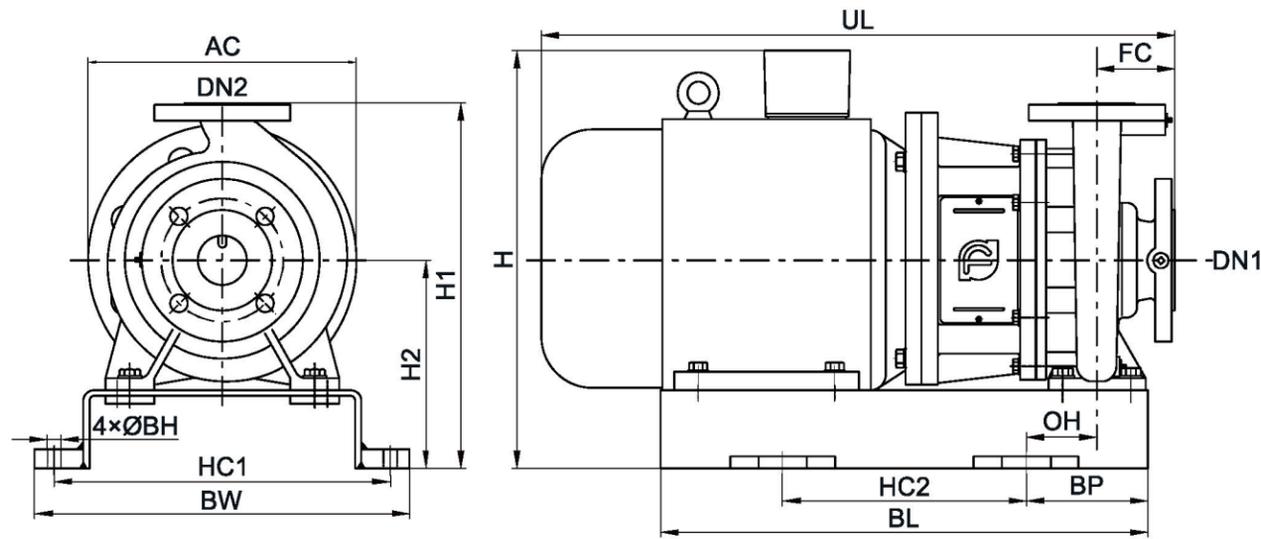
4-pole

Model	Power (kW)	H1	H2	H3	HC1	HC2	HC3	BW	BX	BL	BP	n	ØBH	OH	UL	FC	DN1	DN2	Total weight (kg)
150-125-315	37	755	400	731	575	1040	520	625	625	1440	200	6	22	100	1624	140	150	125	75
150-125-400	45	835	435	766	575	1040	520	625	625	1440	200	6	22	100	1649	140	150	125	606
	55	880	480	847	500	1040	520	552	605	1488	225	6	22	125	1725	140	150	125	712
	75	880	480	875	500	970	485	552	665	1571	300	6	22	200	1825	140	150	125	847
200-150-315	37	835	435	766	595	1050	525	645	645	1650	300	6	22	200	1844	160	200	150	662
	45	835	435	766	595	1050	525	645	645	1650	300	6	22	200	1869	160	200	150	693
	55	880	480	847	550	1090	545	602	605	1685	300	6	22	200	1945	160	200	150	763
200-150-400	75	880	480	875	550	1130	565	602	675	1731	300	6	22	200	2000	160	200	150	895
	75	930	480	875	550	1130	565	602	675	1731	300	6	22	200	2000	160	200	150	965
	90	930	480	875	550	1180	590	602	665	1781	300	6	22	200	2056	160	200	150	1017
250-200-315	110	930	435	1013	600	1360	680	655	750	1859	250	6	22	150	2263	160	200	150	1435
	37	885	435	766	595	1050	525	645	645	1650	300	6	22	200	1864	180	250	200	697
	45	885	435	766	595	1050	525	645	645	1650	300	6	22	200	1889	180	250	200	728
250-200-400	55	930	480	847	550	1090	545	602	605	1685	300	6	22	200	1964	180	250	200	799
	75	930	480	875	550	1130	565	602	675	1731	300	6	22	200	2020	180	250	200	935
	90	995	545	940	535	1180	590	590	665	1781	300	6	22	200	2076	180	250	200	1081
300-250-315 (Q)	110	995	545	1078	600	1360	680	655	750	1859	250	6	22	150	2283	180	250	200	1485
	132	995	545	1078	600	1410	705	655	750	1967	275	6	22	175	2393	180	250	200	1556
	160	995	545	1078	600	1410	705	655	750	1967	275	6	22	175	2393	180	250	200	1660
300-250-400 (Q)	75	995	540	935	700	1380	690	752	752	1937	275	6	22	125	2148	225	300	250	1491
	90	995	540	935	700	1380	690	752	752	1937	275	6	22	125	2199	225	300	250	1569
	110	995	540	1073	700	1430	715	752	752	1985	275	6	22	125	2406	225	300	250	1866
300-250-315	110	1090	590	1123	700	1410	705	752	752	1963	275	6	22	125	2384	225	300	250	1924
	132	1090	590	1123	700	1570	785	752	788	2121	275	6	22	125	2476	225	300	250	2030
	160	1090	590	1123	700	1570	785	752	788	2121	275	6	22	125	2476	225	300	250	2090
300-250-400	200	1090	590	1123	700	1570	785	752	788	2121	275	6	22	125	2476	225	300	250	2205
	75	995	540	935	700	1380	690	752	752	1937	275	6	22	125	2148	225	300	250	1491
	90	995	540	935	700	1380	690	752	752	1937	275	6	22	125	2199	225	300	250	1569
300-250-400	110	995	540	1073	700	1430	715	752	752	1985	275	6	22	125	2406	225	300	250	1866
	132	1090	590	1123	700	1570	785	752	788	2121	275	6	22	125	2476	225	300	250	2030
	160	1090	590	1123	700	1570	785	752	788	2121	275	6	22	125	2476	225	300	250	2090
300-250-400	200	1090	590	1123	700	1570	785	752	788	2121	275	6	22	125	2476	225	300	250	2205

Note:

1. The * number indicates that the overflow parts are made of stainless steel.
2. The dimensions of stainless steel and cast iron are the same when not marked.

NIS,NISF Dimension drawing



NIS,NISF Dimension table

																2-pole
Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
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	540	100	14	47.5	650	80	50	32	105
50-32-200	7.5	453	420	240	350	300	380	540	100	14	46	650	80	50	32	120
	11	500	420	240	390	350	420	600	125	18	71	787	80	50	32	175
65-40-200	7.5	453	420	240	335	300	365	540	100	14	47.5	670	100	65	40	120
	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
65-40-250	18.5	520	485	260	390	400	420	660	130	18	63.5	865	100	65	40	222
	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
65-40-315	22	555	530	280	430	400	460	750	150	18	81.5	920	125	65	40	270
	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 Dimension table

																2-pole
Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	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
	22	535	460	260	430	400	460	700	150	18	96	892	100	80	50	254
80-50-250	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
	75	780	660	380	630	600	670	1000	200	22	130	1231	125	80	50	675
80-65-160	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
	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
100-65-200	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
	37	585	505	280	470	450	500	750	150	18	81.5	967	100	100	65	337
100-65-250	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
100-65-315	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
100-80-160	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
	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
	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

NIS,NISF Dimension table

2-pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
125-100-250	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	695	415	720	600	760	1100	250	22	164	1523	140	125	100	1169
125-100-315	90	780	695	380	630	600	670	1100	250	22	164	1310	140	125	100	744
	110	945	730	415	720	600	760	1100	250	22	164	1545	140	125	100	1170
	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

4-pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
50-32-160	0.55	352	372	212	306	250	336	400	75	14	22.5	483	80	50	32	44
	0.75	352	372	212	306	250	336	410	75	14	22.5	483	80	50	32	45
50-32-200	1.1	400	420	240	306	250	336	450	75	14	22.5	513	80	50	32	71
	1.5	400	420	240	306	250	336	450	75	14	22.5	568	80	50	32	78
65-40-200	1.1	400	420	240	335	250	365	460	75	14	22.5	533	100	65	40	73
	1.5	400	420	240	335	250	365	460	75	14	22.5	588	100	65	40	80
	2.2	410	420	240	335	250	365	460	100	14	47.5	638	100	65	40	91
65-40-250	3	430	485	260	386	300	416	500	100	14	35	646	100	65	40	109
65-40-315	4	468	530	280	415	300	445	500	100	14	35	631	125	65	40	128
	5.5	493	530	280	415	300	445	500	100	14	35	687	125	65	40	151
65-50-160	0.55	352	372	212	306	250	336	400	75	14	22.5	483	80	65	50	46
	0.75	352	372	212	306	250	336	410	75	14	22.5	483	80	65	50	47
	1.1	372	372	212	306	250	336	450	75	14	22.5	513	80	65	50	63
80-50-200	1.5	400	440	240	335	250	365	460	75	14	22.5	588	100	80	50	84
	2.2	410	440	240	335	250	365	460	100	14	47.5	638	100	80	50	95
	3	410	440	240	335	250	365	460	100	14	47.5	638	100	80	50	100
80-50-250	4	448	485	260	386	300	416	500	100	14	35	666	125	80	50	116
	5.5	473	485	260	386	300	416	500	100	14	35	639	125	80	50	137
80-50-315	5.5	518	585	305	415	350	445	550	100	18	33.5	639	125	80	50	155
	7.5	518	585	305	415	350	445	550	100	18	33.5	717	125	80	50	169
80-65-160	0.75	380	420	240	335	250	365	400	75	14	22.5	503	100	80	65	67
	1.1	400	420	240	335	250	365	460	75	14	22.5	533	100	80	65	71
	1.5	400	420	240	335	250	365	460	75	14	22.5	588	100	80	65	78

NIS,NISF Dimension table

4-pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
100-65-200	3	430	485	260	386	300	416	500	100	14	35	646	100	100	65	109
	4	448	485	260	386	300	416	500	100	14	35	641	100	100	65	114
	5.5	473	485	260	386	300	416	500	100	14	35	614	100	100	65	135
100-65-250	5.5	493	530	280	430	350	460	550	100	14	20	639	125	100	65	147
	7.5	493	530	280	430	350	460	550	100	18	20	717	125	100	65	166
100-65-315	11	565	585	305	470	400	500	700	150	18	70	854	125	100	65	249
	15	565	585	305	470	400	500	700	150	18	70	909	125	100	65	270
100-80-160	1.5	400	440	240	350	250	380	470	105	14	40	581	100	100	80	76
	2.2	410	440	240	350	300	380	500	100	14	35	646	100	100	80	87
	3	410	440	240	350	300	380	500	100	14	35	646	100	100	80	92
125-80-400	15	620	715	360	510	450	540	750	150	18	68	911	125	125	80	334
	18.5	635	715	360	510	450	540	750	150	18	66.5	941	125	125	80	369
	22	635	715	360	520	450	560	750	150	22	76.5	981	125	125	80	391
	30	665	715	360	520	500	560	820	160	22	68	1015	125	125	80	440
	37	695	715	360	520	500	560	820	160	22	76.5	1058	125	125	80	498
125-100-200	4	468	560	280	430	300	460	500	100	14	20	666	125	125	100	136
	5.5	493	560	280	430	350	460	550	100	18	20	639	125	125	100	152
	7.5	493	560	280	430	350	460	550	100	18	20	717	125	125	100	171
125-100-250	11	540	560	280	430	400	460	650	125	18	45	835	125	125	100	222
	15	565	585	305	470	400	500	700	150	18	70	924	140	125	100	278
125-100-315	11	590	645	330	470	400	500	700	150	18	69	869	140	125	100	261
	18.5	605	645	330	470	450	500	750	150	18	69	954	140	125	100	317
	22	605	645	330	470	450	500	750	150	18	69	994	140	125	100	335
125-100-400	30	635	645	330	520	500	560	820	160	22	76.5	1028	140	125	100	394
	30	665	715	360	580	500	620	800	150	22	50	1028	140	125	100	444
	37	715	735	380	585	550	625	950	200	22	100	1071	140	125	100	523
150-125-250	45	715	735	380	585	550	625	950	200	22	100	1101	140	125	100	552
	11	590	685	330	470	400	500	700	150	18	69	569	140	150	125	257
	15	590	685	330	470	400	500	700	150	18	69	924	140	150	125	284
150-125-250	18.5	605	685	330	470	450	500	750	150	18	69	954	140	150	125	315
	22	605	685	330	470	450	500	750	150	18	69	994	140	150	125	333

NIS,NISF Dimension table

4-pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
150-125-315	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	45	750	815	415	585	550	625	950	200	22	100	1103	140	150	125	561
	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
200-150-315	37	750	815	415	605	500	645	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
	55	780	815	415	605	600	645	1000	200	22	100	1254	160	200	150	650
	75	815	815	415	630	600	675	1100	250	22	150	1329	160	200	150	806
200-150-400	75	815	865	415	630	600	675	1100	250	22	150	1329	160	200	150	859
	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
250-200-250	22	690	865	415	605	500	645	900	200	22	85	1060	180	250	200	483
	30	720	865	415	605	500	645	900	200	22	85	1114	180	250	200	580
	37	750	865	415	605	600	645	1000	200	22	90	1145	180	250	200	642
	45	750	865	415	605	600	645	1000	200	22	90	1170	180	250	200	680
250-200-315	37	750	865	415	605	500	670	900	200	22	100	1136	180	250	200	592
	45	750	865	415	605	500	645	900	200	22	100	1166	180	250	200	630
	55	780	865	415	605	600	645	1100	250	22	150	1274	180	250	200	695
250-200-400	75	815	865	415	630	600	670	1100	250	22	150	1349	180	250	200	840
	90	845	930	480	630	600	675	1100	250	22	150	1399	180	250	200	1015
	110	1010	930	480	720	750	760	1250	250	22	150	1634	180	250	200	1400
	132	1010	930	480	720	700	760	1220	260	22	160	1744	180	250	200	1495
300-250-250	45	835	980	500	810	570	850	970	200	22	40	1221	235	300	250	780
	55	865	980	500	810	640	850	1140	250	22	90	1316	235	300	250	845
	75	900	980	500	810	640	850	1140	250	22	90	1376	235	300	250	1170
300-250-250(Q)	37	835	980	500	810	570	850	970	200	22	40	1196	235	300	250	742
	45	835	980	500	810	570	850	970	200	22	40	1221	235	300	250	780
	55	865	980	500	810	640	850	1140	250	22	90	1316	235	300	250	845
300-250-315(Q)	75	930	930	475	810	750	850	1250	250	22	90	1356	225	300	250	1120
	90	930	930	475	810	750	850	1250	250	22	90	1406	225	300	250	1182
	110	1005	930	475	810	750	850	1250	250	22	90	1743	225	300	250	1518
300-250-400(Q)	110	1055	1025	525	810	750	850	1250	250	22	90	1611	225	300	250	1582
	132	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1676

NIS,NISF Dimension table

4-pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
300-250-400(Q)	160	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1777
	200	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1853
300-250-315	75	930	930	475	810	750	850	1250	250	22	90	1356	225	300	250	1120
	90	930	930	475	810	750	850	1250	250	22	90	1406	225	300	250	1182
	110	1005	930	475	810	750	850	1250	250	22	90	1743	225	300	250	1518
300-250-400	132	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1676
	160	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1777
	200	1055	1025	525	810	900	850	1400	250	22	90	1721	225	300	250	1853
350-300-250	75	940	1140	540	910	680	950	1180	250	22	65	1401	250	350	300	1220
	90	940	1140	540	910	680	950	1180	250	22	65	1452	250	350	300	1282
	110	1070	1140	540	910	870	950	1370	250	22	65	1676	250	350	300	1618
	132	1070	1140	540	910	870	950	1370	250	22	65	1786	250	350	300	1775
350-300-315	132	1070	1140	540	910	870	950	1370	250	22	65	1767	250	350	300	1776
	160	1070	1140	540	910	870	950	1370	250	22	65	1767	250	350	300	1877
	185	1070	1140	540	910	870	950	1370	250	22	65	1767	250	350	300	1953
	200	1070	1140	540	910	870	950	1370	250	22	65	1767	250	350	300	1953

Note: 1.Flange dimension of NIS.NISF are the same with NISO series pump.