

# NISO

50Hz

End Suction Centrifugal Pump



## **General Data**

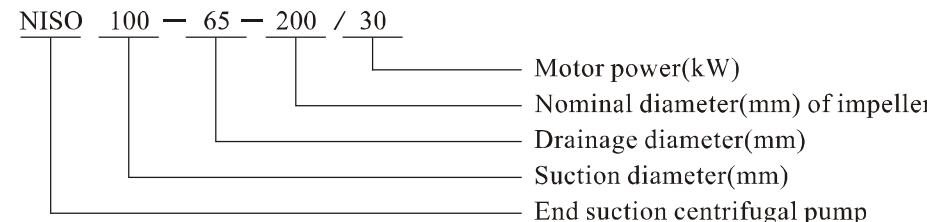
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## ● Definition of Model

NISO100-65-200/30



## ● Min inlet pressure

Min inlet pressure depends on NPSH + 0.5m safety margin + gasified pressure. It should be re-calculated the inlet pressure if one of the following happens.

- The liquid is more warm.
- The flow exceeds the nominate value.
- Suction distance is very long or inlet pipe is very long.
- System pressure is too little.
- Inlet pressure is low.

## ● Typical application

- Clean, thin, non-corrosive, non-flammable or non-explosive liquid without grain or fiber.
- Water supply system
- Heat, air condition system
- Booster, constant pressure water supply
- Firefighting, splitting system
- Irrigating, farming
- Industry cooling, heater circulation system
- Industry transferring, drainage system

## ● Construction

- Non-self-priming, single stage, single suction, horizontal, axial suction and radial discharge, pump body is fixed by base.
- Use bearing cradle, which can orientate bearing, prevent from radical vibration, improve the rigidity of rotary part.
- Compacted shaft, use deep groove grease lubricated roller bearing.
- Connect pump and motor with semi-flexible coupling.
- Use standard wearable mechanical seal.
- TEFC motor, size complies to IEC standard, installation type B3.
- The dimensions is conform to ISO 2858

## ● Specification

- Flow: Max 520m<sup>3</sup>/h
- Head: Max 160m
- Working pressure: Max 16 bar
- Inlet pressure: Max 6bar
- Power: Max 160kW
- Liquid temperature: -15°C ~ 110°C
- Inlet and Outlet diameter: Inlet diameter: DN50~DN200  
Outlet diameter: DN32~DN150

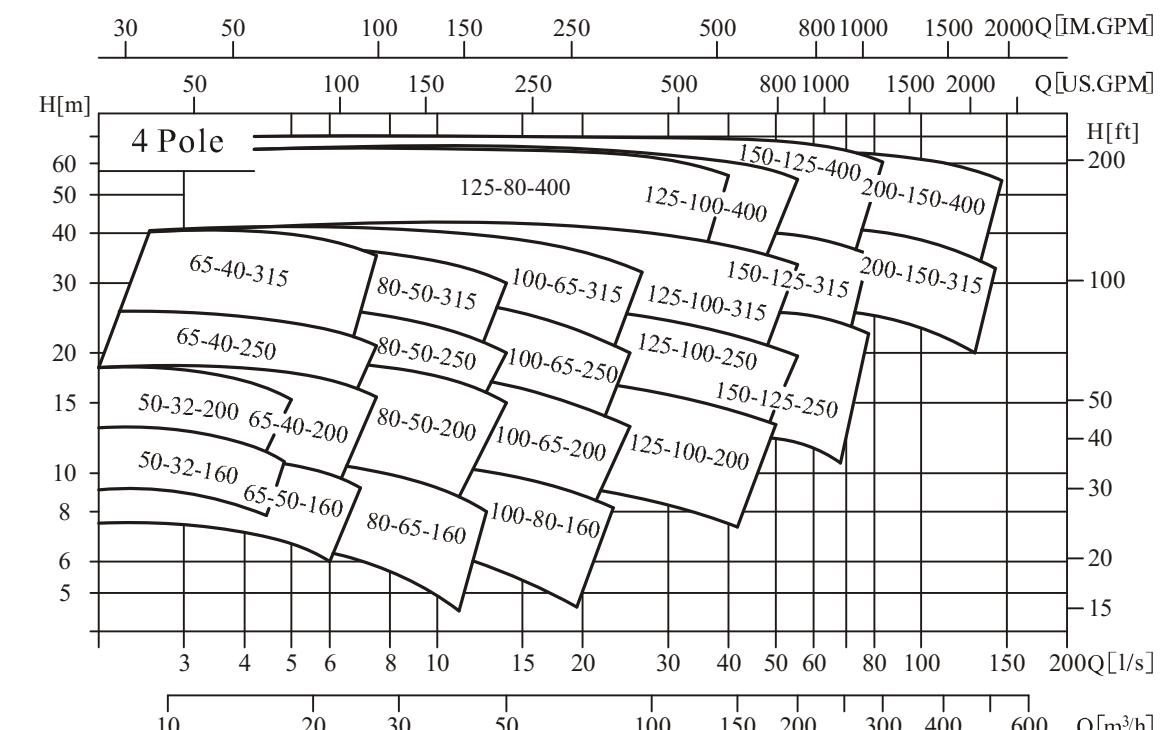
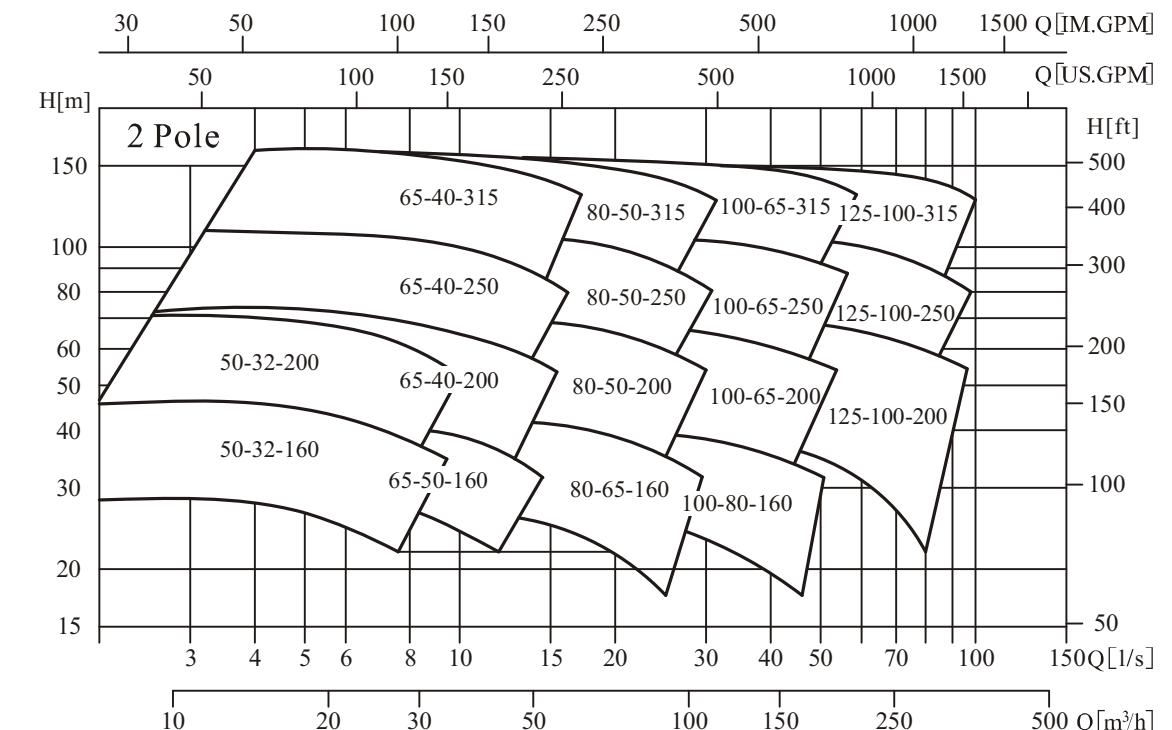
## ● Curve conditions

- Curves tolerance is according to ISO9906, Annex A;
- All curves are based on the measured value of constant motor speed 2900rpm, 2950rpm, 1450rpm or 1480rpm.
- The measurements were made with airless water at temperature of 20°C. The curves apply to a kinematic viscosity of 1mm<sup>2</sup>/s(1 cst)

## ● Features

- Back-pull-out design, without having to disturb pump body and pipelines when servicing.
- All the models only use 4 kinds of pump shafts and bearing cover, make parts exchangeable.
- Impeller is optimum design, inlet is enlarged, no whirlpool, deduct the water pump NPSH efficiently, which makes pump work stable with little noise.
- Casing and casing cover use wearing neck ring structure, which makes pump easy to maintain, makes parts work longer. The replaceable seal ring, makes pump work efficiently in a long time.

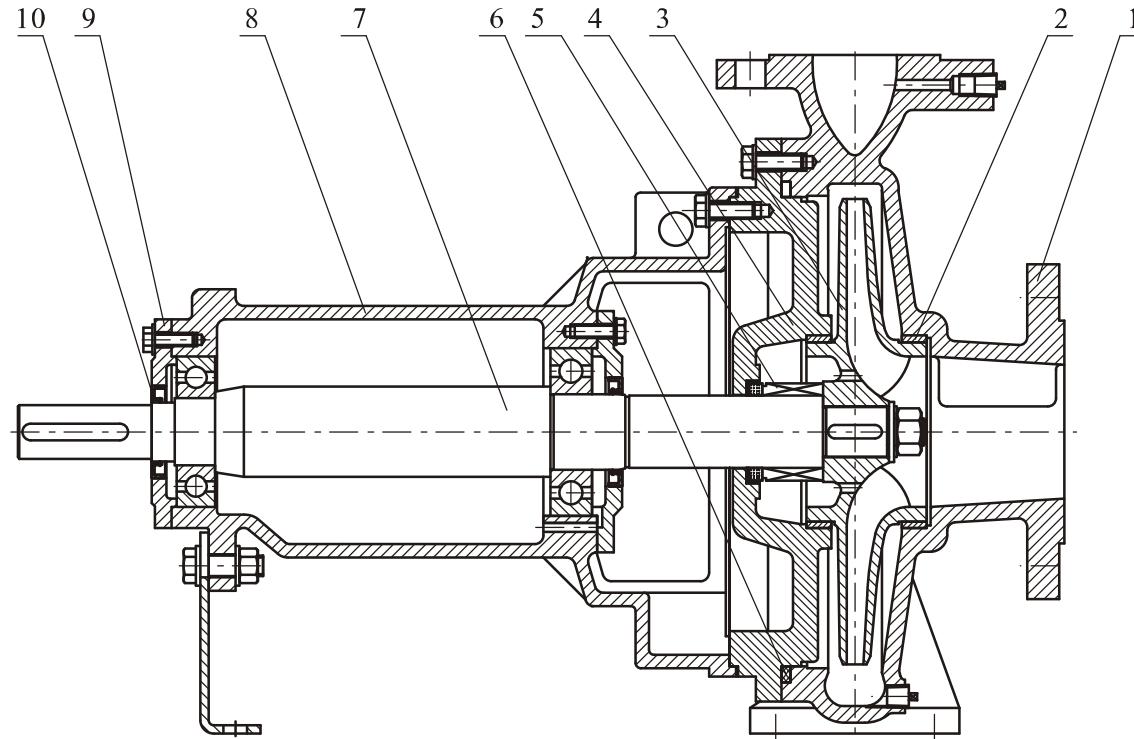
## ● Model performance drawing



# General Data

# General Data

## ● Sectional drawing



## ● Part list

No.	Name	Material	Code/AISI/ASTM
1	Casing	Cast Iron HT200	ASTM25B
2	Wear ring	Cast Iron HT200	ASTM25B
3	Impeller	Cast Iron HT200	ASTM25B
4	Casing cover	Cast Iron HT200	ASTM25B
5	Mechanical seal	Carbon/Silicon Carbide	
6	O ring	NBR	
7	Shaft	SS 2Cr13	AISI420
8	Bearing housing	Cast Iron HT200	ASTM25B
9	Bearing cover	Cast Iron HT200	ASTM25B
10	Seal	NBR	

## ● Models

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

# General Data

# General Data

## ● Models

No.	Model	Q [m³/h]	H [m]	Motor [kW]	n [r/min]
29	NISO 80-65-160/5.5	50	22	5.5	2900
30	NISO 80-65-160/7.5		29	7.5	
31	NISO 80-65-160/11		38	11	2950
32	NISO 80-65-160/15		44	15	
33	NISO 100-65-200/18.5	100	36	18.5	2950
34	NISO 100-65-200/22		43	22	
35	NISO 100-65-200/30		56	30	
36	NISO 100-65-200/37		67	37	
37	NISO 100-65-250/45		80	45	
38	NISO 100-65-250/55		88	55	
39	NISO 100-65-250/75		108	75	
40	NISO 100-65-315/90		128	90	
41	NISO 100-65-315/110		148	110	
42	NISO 100-80-160/11		23	11	
43	NISO 100-80-160/15	200	30	15	2950
44	NISO 100-80-160/18.5		35	18.5	
45	NISO 100-80-160/22		40	22	
46	NISO 125-100-200/30		34	30	
47	NISO 125-100-200/37		41	37	
48	NISO 125-100-200/45		48	45	
49	NISO 125-100-200/55		55	55	
50	NISO 125-100-200/75		66	75	
51	NISO 125-100-250/75		75	75	
52	NISO 125-100-250/90		86	90	
53	NISO 125-100-250/110		100	110	
54	NISO 125-100-315/90		93	90	
55	NISO 125-100-315/110		108	110	
56	NISO 125-100-315/132		124	132	
57	NISO 125-100-315/160		144	160	

2 Pole

## ● Models

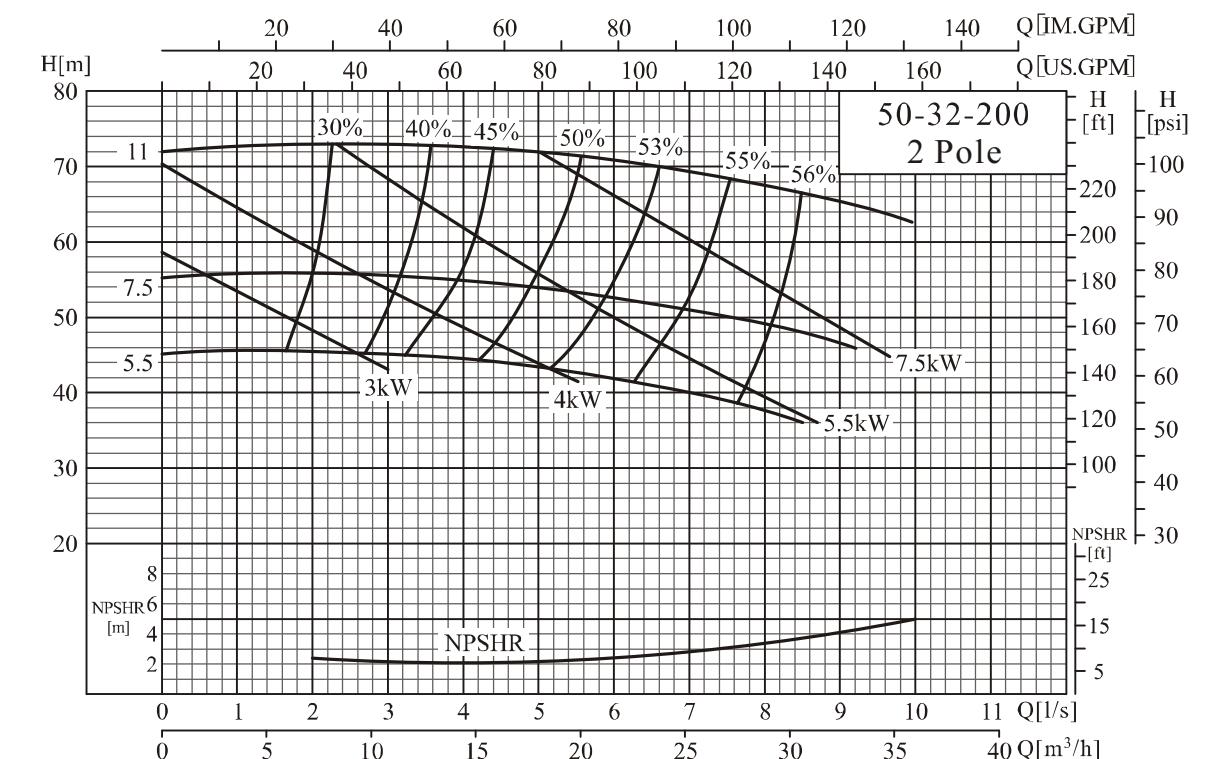
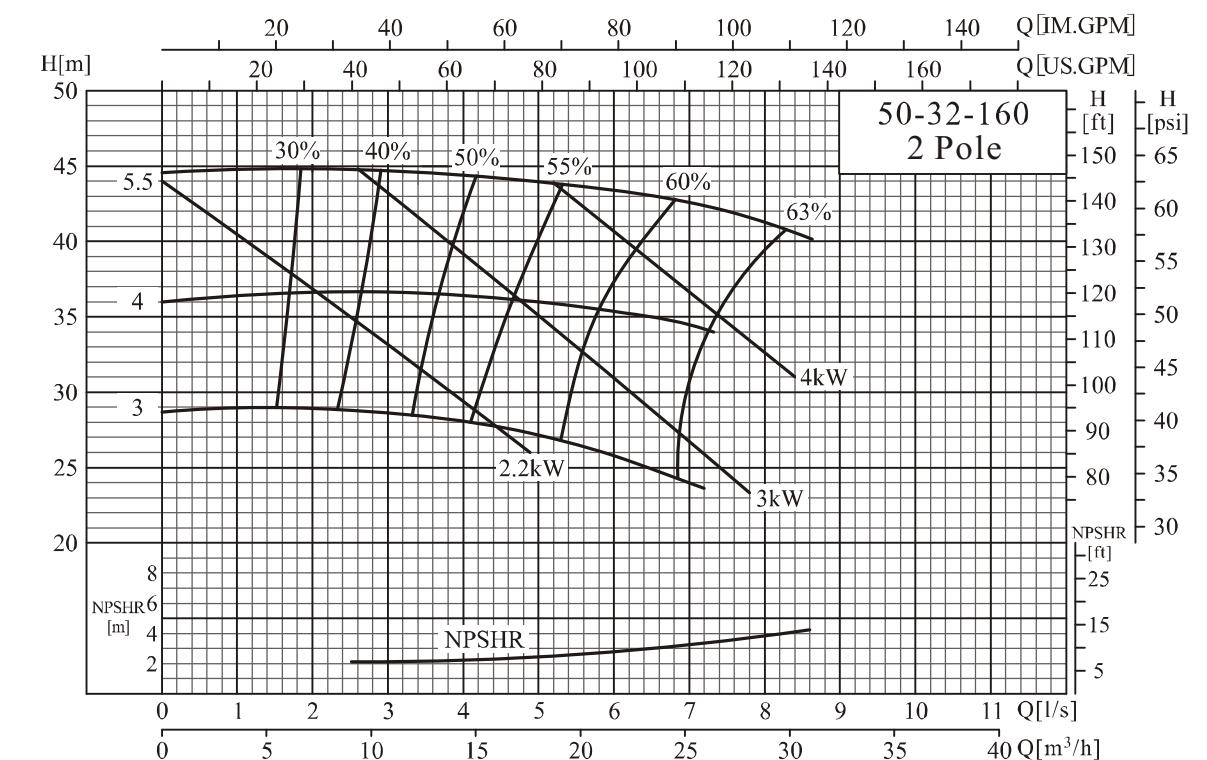
No.	Model	Q [m³/h]	H [m]	Motor [kW]	n [r/min]
1	NISO 50-32-160/0.55	6.3	8.5	0.55	1450
2	NISO 50-32-160/0.75		11	0.75	
3	NISO 50-32-200/1.1		14	1.1	
4	NISO 50-32-200/1.5		18	1.5	
5	NISO 65-40-200/1.1	12.5	12	1.1	1450
6	NISO 65-40-200/1.5		15	1.5	
7	NISO 65-40-200/2.2		17.5	2.2	
8	NISO 65-40-250/3		25	3	
9	NISO 65-40-315/4		34	4	
10	NISO 65-40-315/5.5		40	5.5	
11	NISO 65-50-160/0.55		7	0.55	
12	NISO 65-50-160/0.75		9	0.75	
13	NISO 65-50-160/1.1		10.5	1.1	
14	NISO 80-50-200/1.5		11	1.5	
15	NISO 80-50-200/2.2	25	15	2.2	1480
16	NISO 80-50-200/3		17.5	3	
17	NISO 80-50-250/4		21	4	
18	NISO 80-50-250/5.5		25	5.5	
19	NISO 80-50-315/5.5		30	5.5	
20	NISO 80-50-315/7.5		37	7.5	
21	NISO 80-65-160/0.75		6	0.75	
22	NISO 80-65-160/1.1		8	1.1	
23	NISO 80-65-160/1.5		10.5	1.5	
24	NISO 100-65-200/3	50	11.5	3	1450
25	NISO 100-65-200/4		14	4	
26	NISO 100-65-200/5.5		16	5.5	
27	NISO 100-65-250/5.5		20	5.5	
28	NISO 100-65-250/7.5		25	7.5	
29	NISO 100-65-315/11		32	11	
30	NISO 100-65-315/15		40	15	
31	NISO 100-80-160/1.5		6.5	1.5	
32	NISO 100-80-160/2.2		9	2.2	
33	NISO 100-80-160/3		10.5	3	

4 Pole

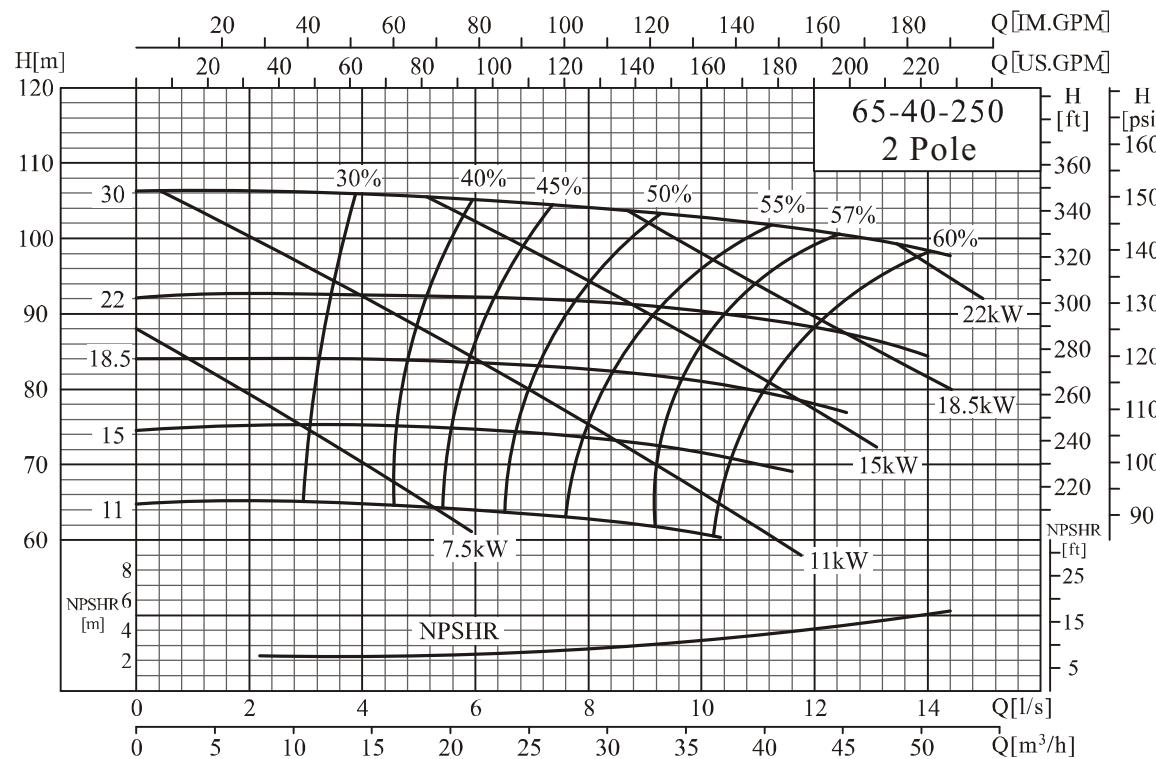
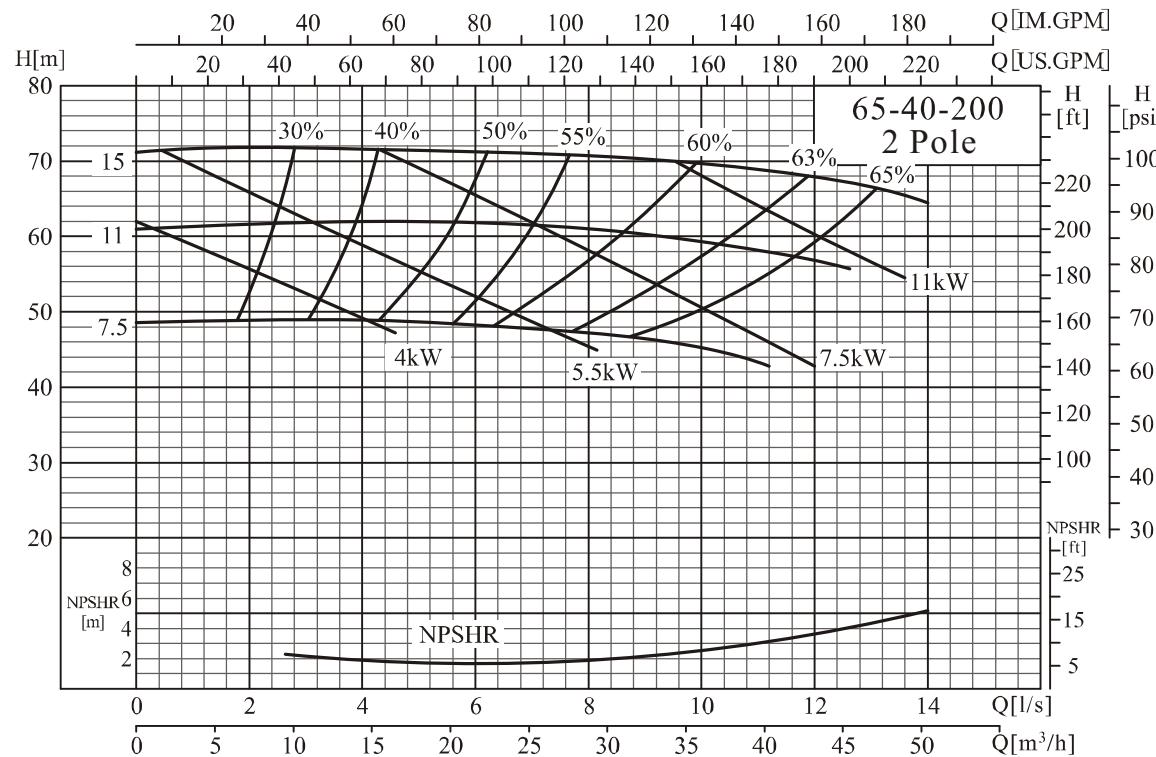
## Models

No.	Model	Q [m³/h]	H [m]	Motor [kW]	n [r/min]
34	NISO 125-80-400/15	50	39	15	1480
35	NISO 125-80-400/18.5		45	18.5	
36	NISO 125-80-400/22		50	22	
37	NISO 125-80-400/30		60	30	
38	NISO 125-80-400/37		67	37	
39	NISO 125-100-200/4	100	9	4	
40	NISO 125-100-200/5.5		11.5	5.5	
41	NISO 125-100-200/7.5		14	7.5	
42	NISO 125-100-200/11		16.5	11	
43	NISO 125-100-250/15		25	15	
44	NISO 125-100-315/11		23	11	
45	NISO 125-100-315/18.5		32	18.5	
46	NISO 125-100-315/22		36	22	
47	NISO 125-100-315/30		40	30	
48	NISO 125-100-400/30		50	30	
49	NISO 125-100-400/37		58	37	
50	NISO 125-100-400/45		65	45	
51	NISO 150-125-250/11	200	12.5	11	1480
52	NISO 150-125-250/15		16	15	
53	NISO 150-125-250/18.5		20	18.5	
54	NISO 150-125-250/22		24	22	
55	NISO 150-125-315/30		32	30	
56	NISO 150-125-315/37		39	37	
57	NISO 150-125-400/45		50	45	
58	NISO 150-125-400/55		57	55	
59	NISO 150-125-400/75		68	75	
60	NISO 200-150-315/37	400	23	37	
61	NISO 200-150-315/45		27	45	
62	NISO 200-150-315/55		32	55	
63	NISO 200-150-315/75		38	75	
64	NISO 200-150-400/75		43	75	
65	NISO 200-150-400/90		50	90	
66	NISO 200-150-400/110		62	110	

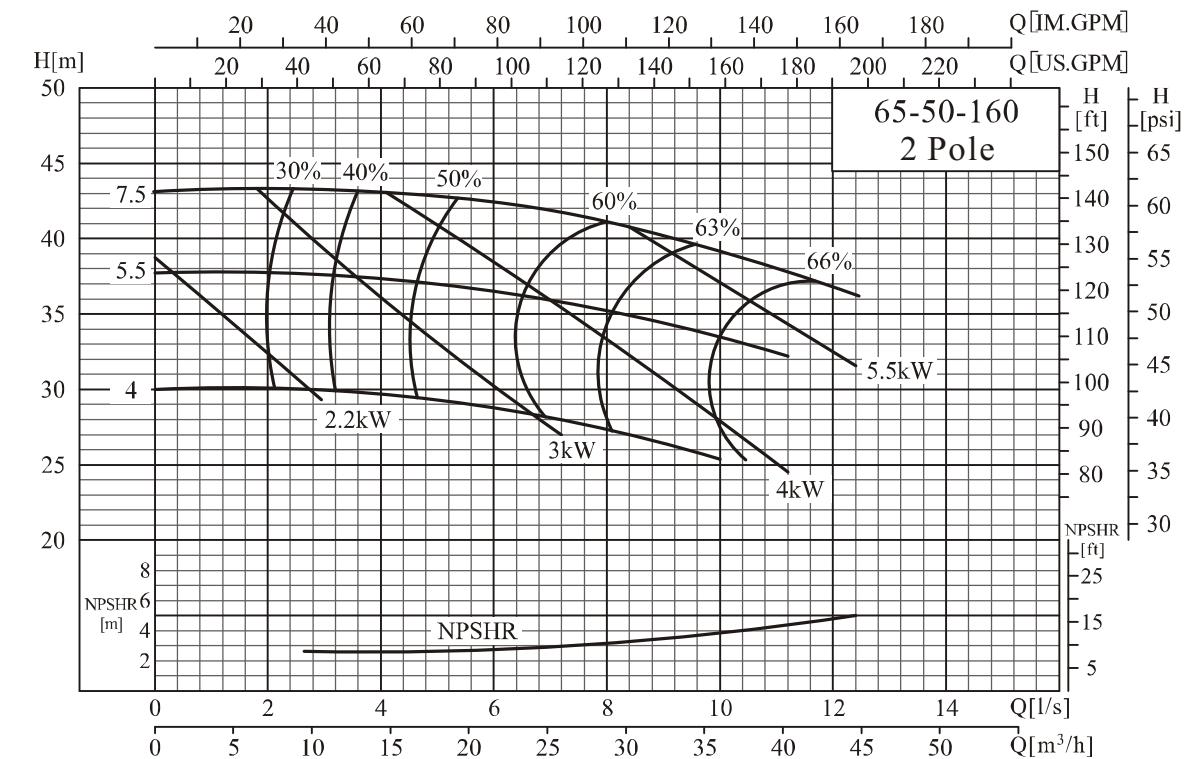
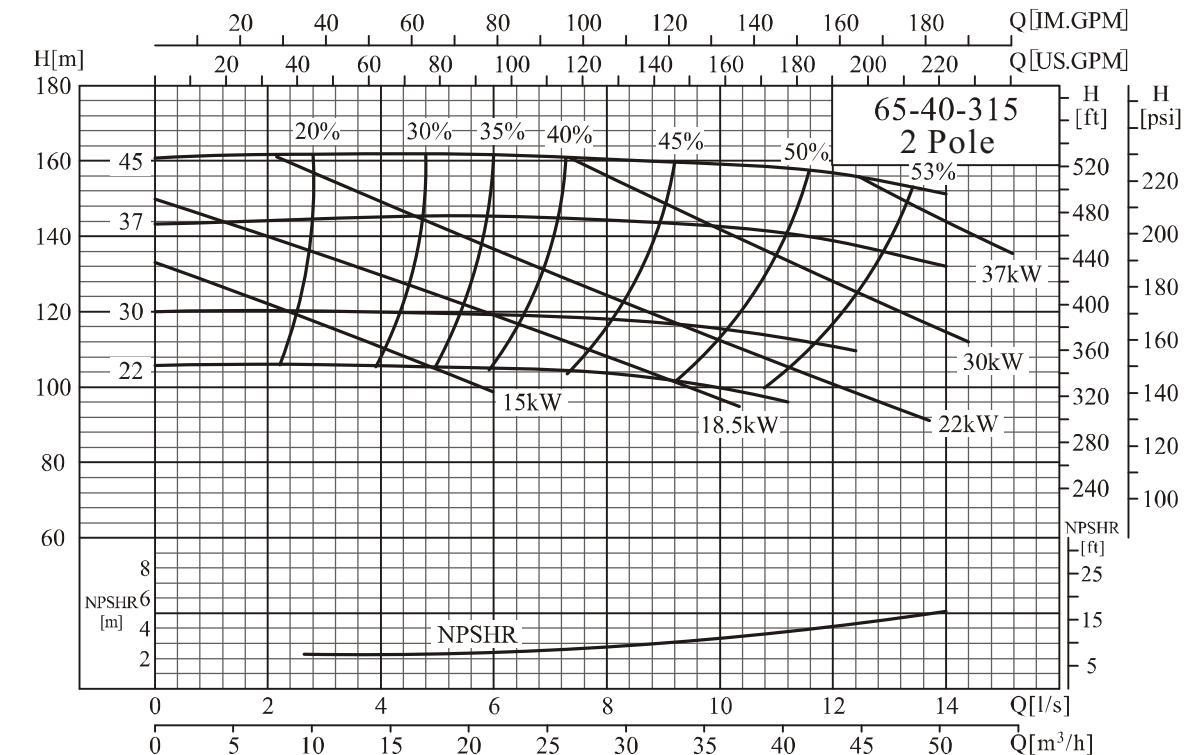
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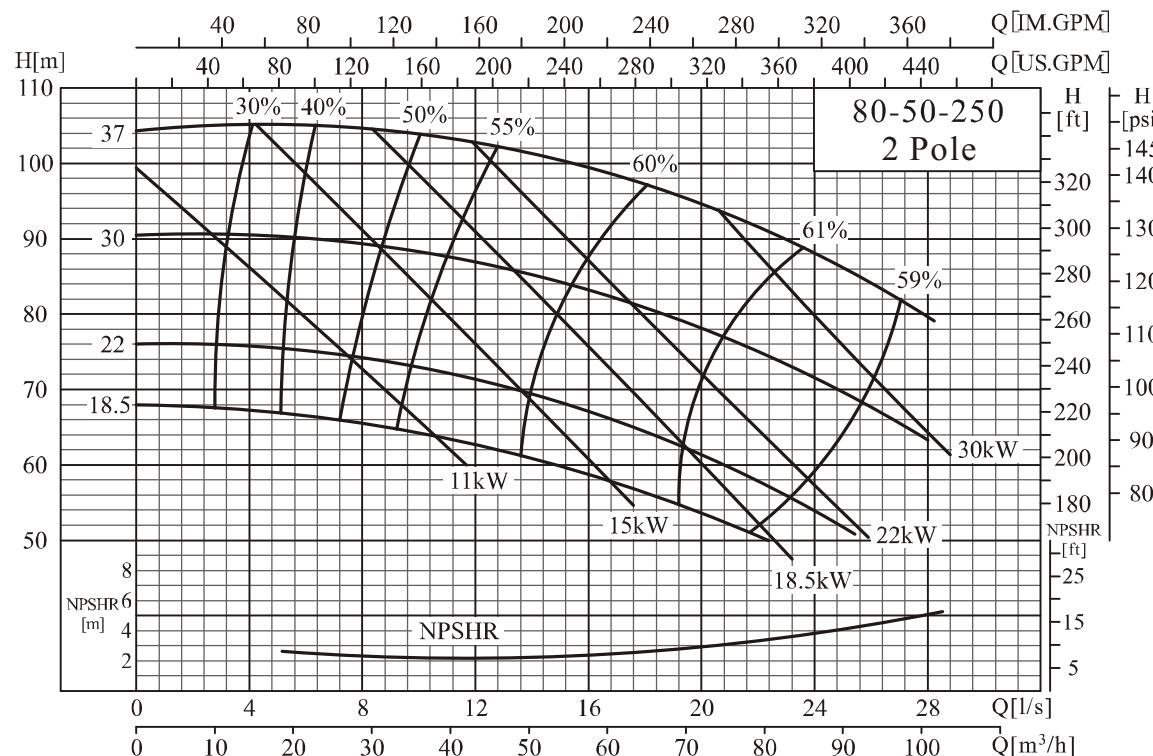
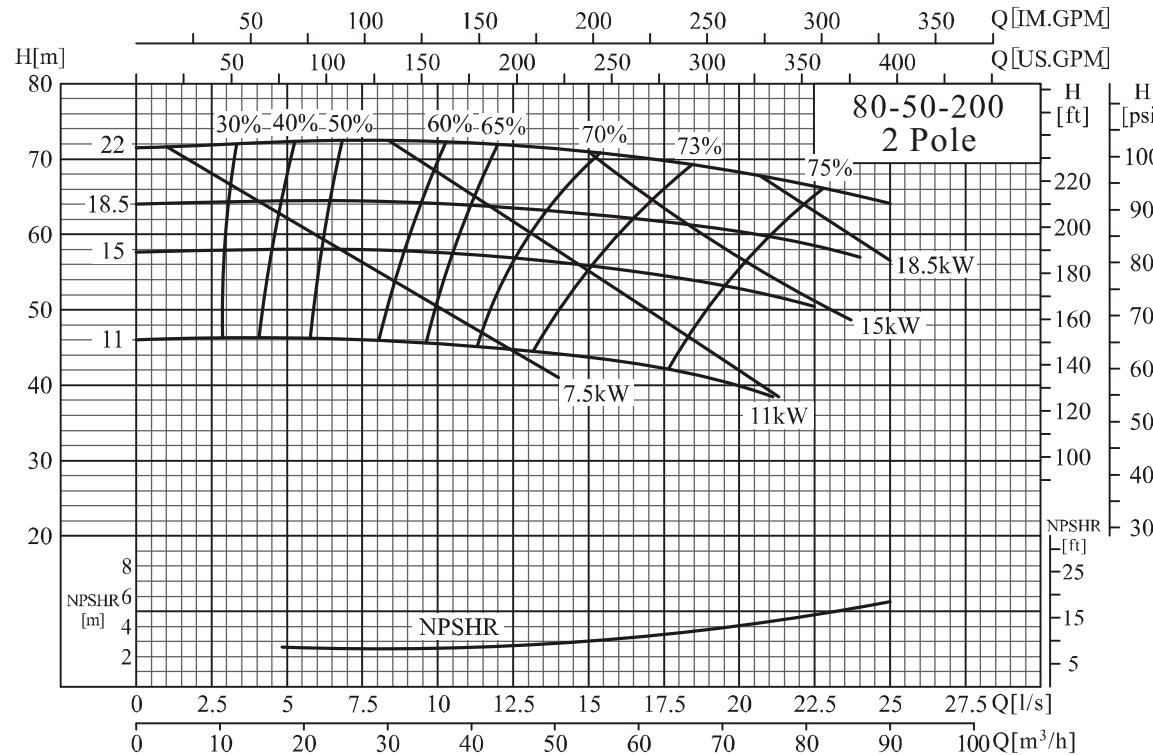
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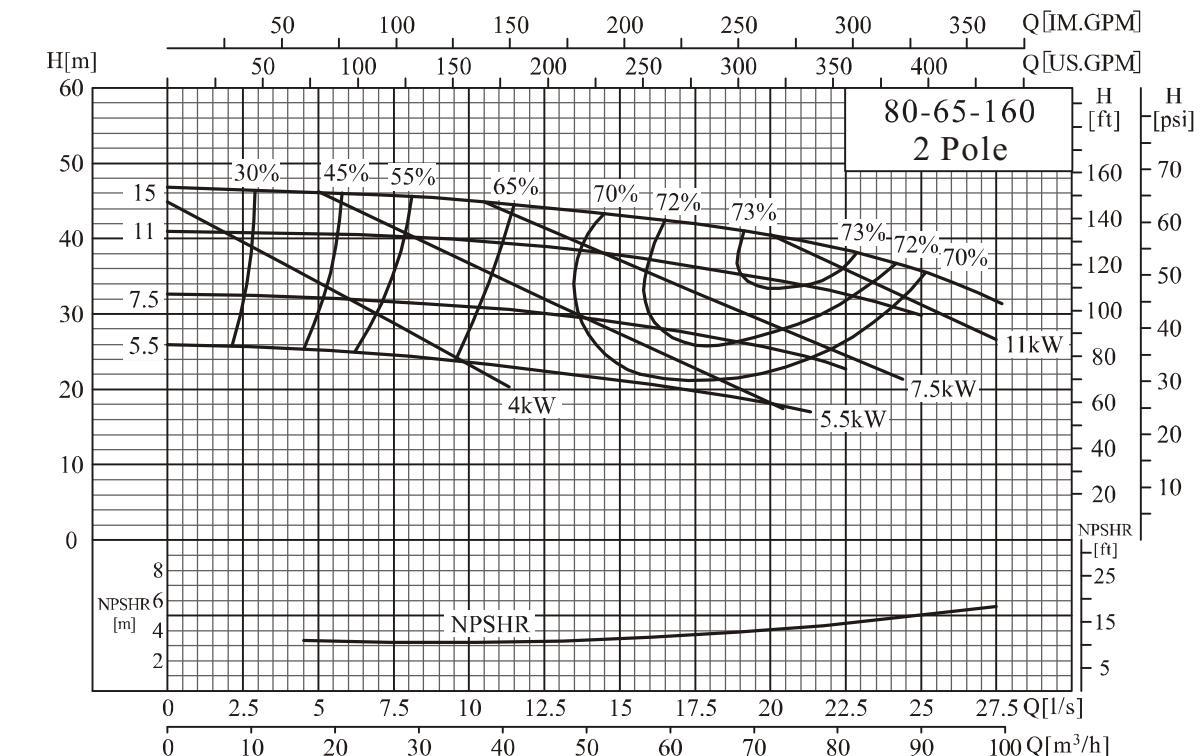
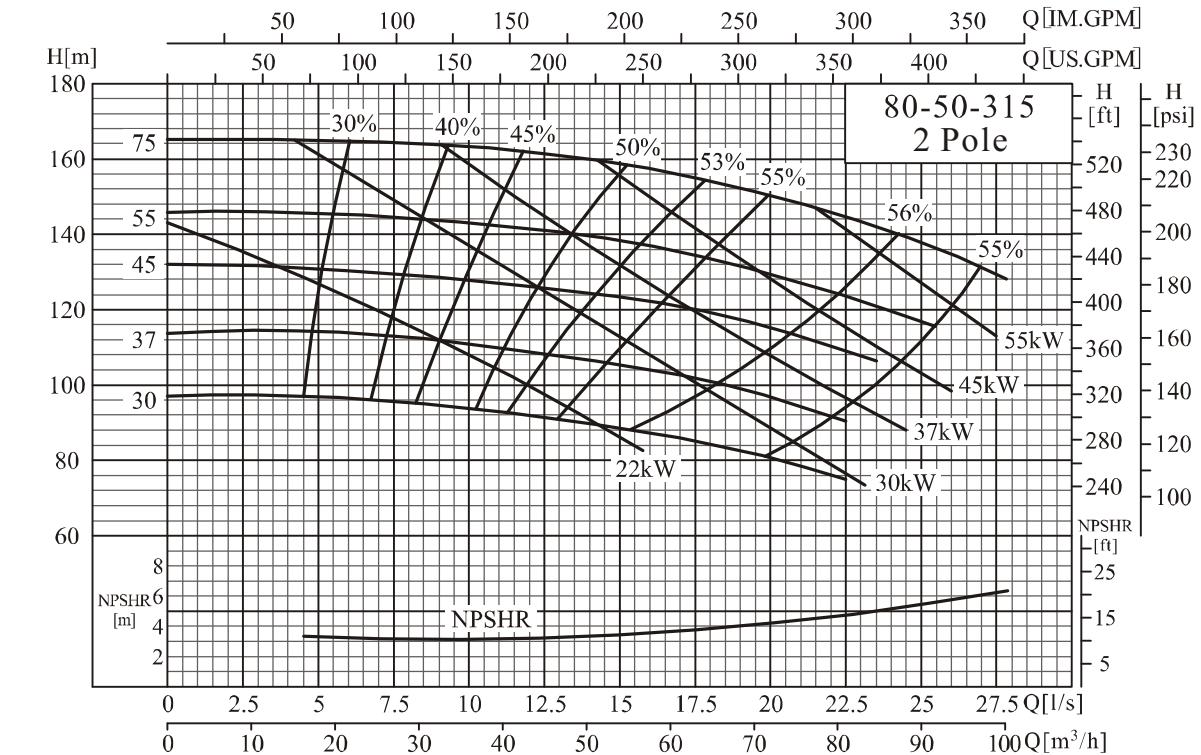
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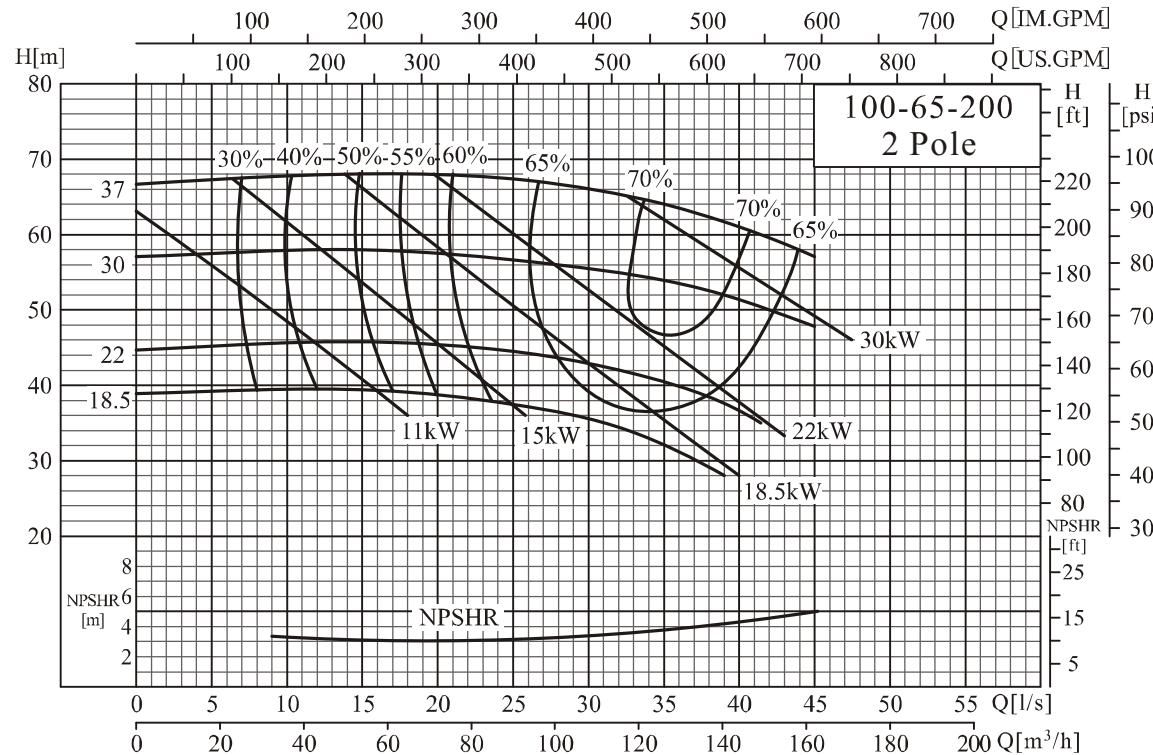
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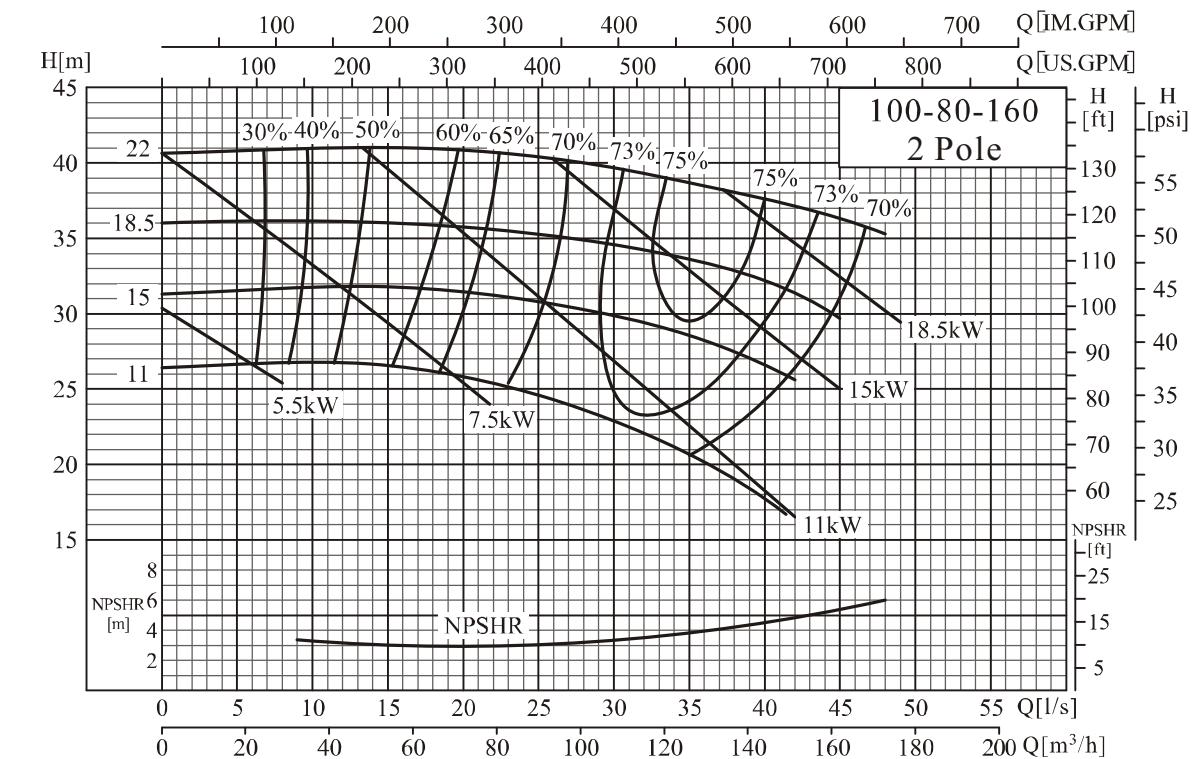
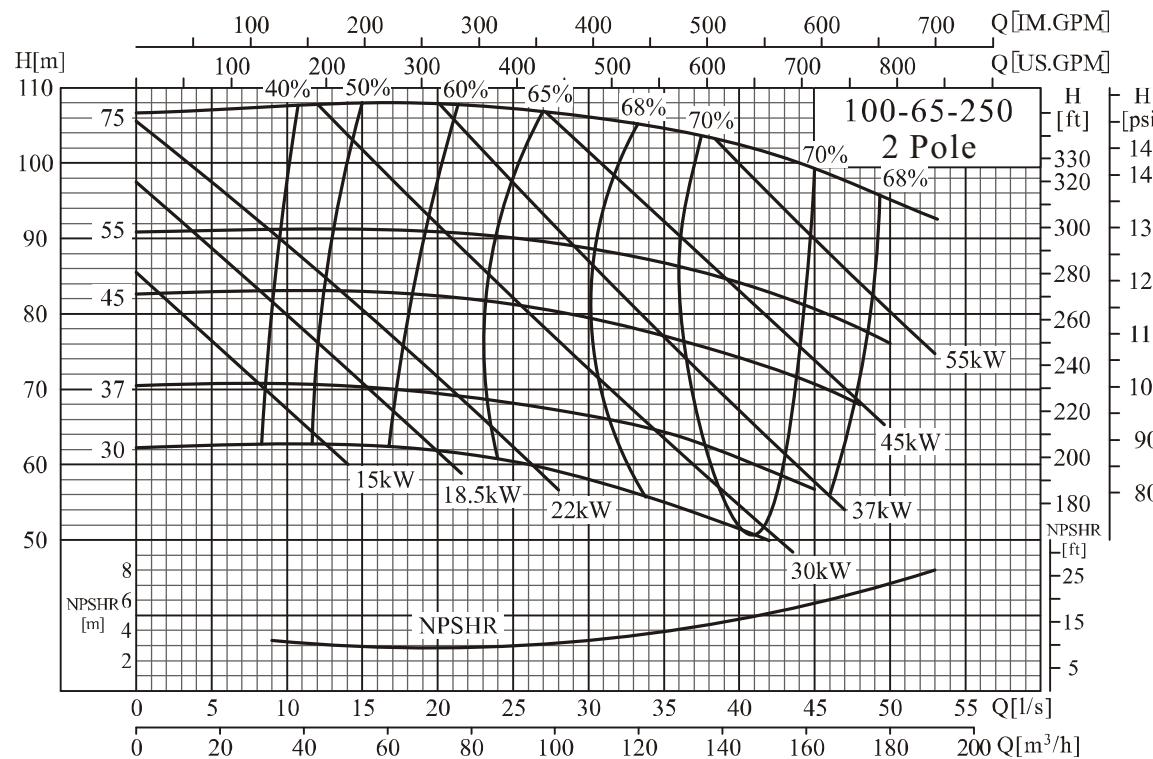
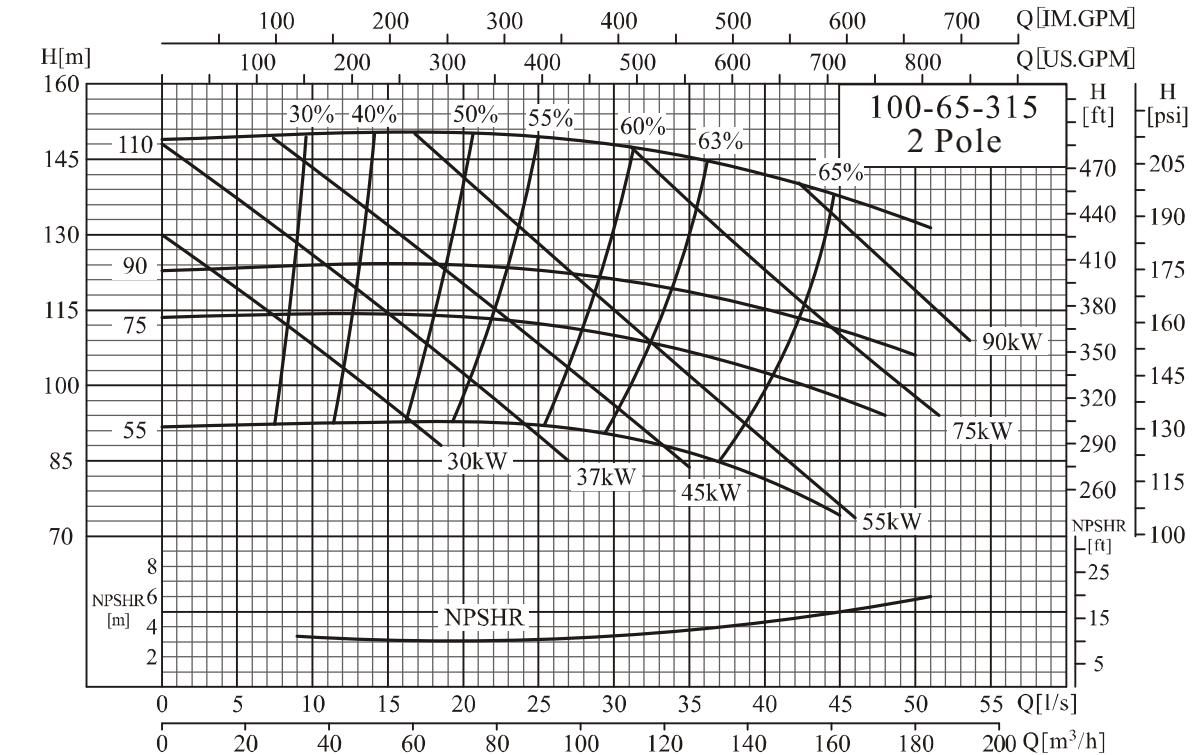
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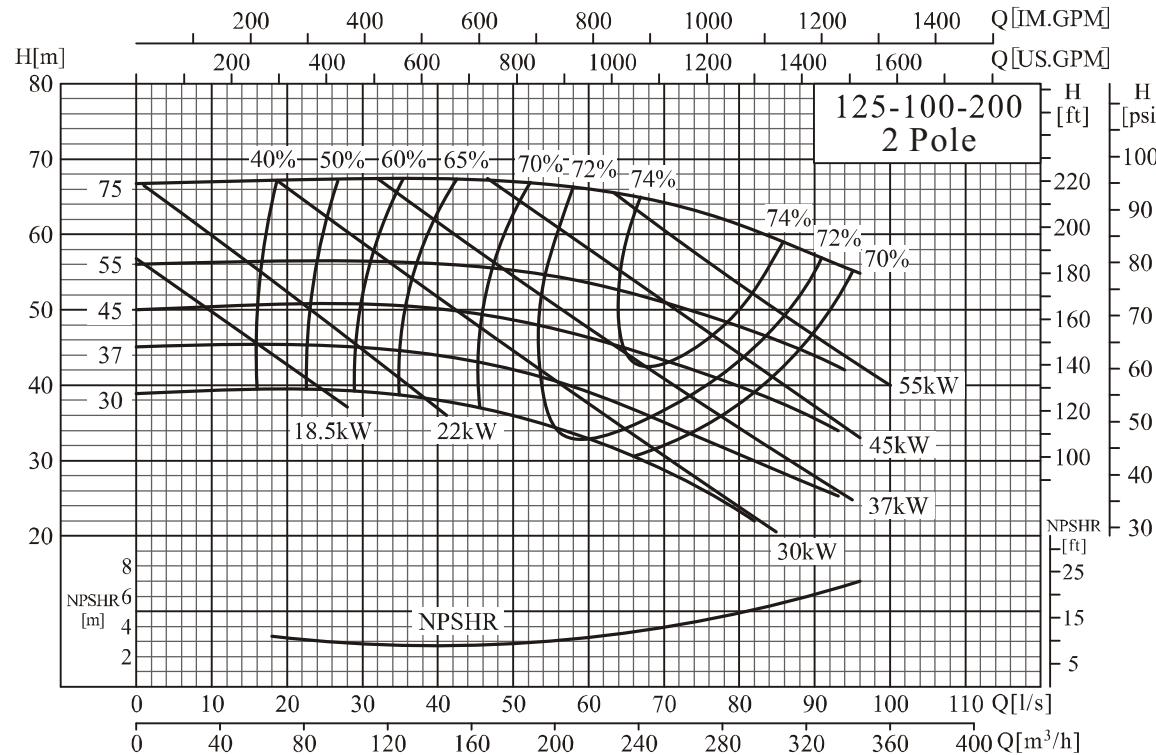
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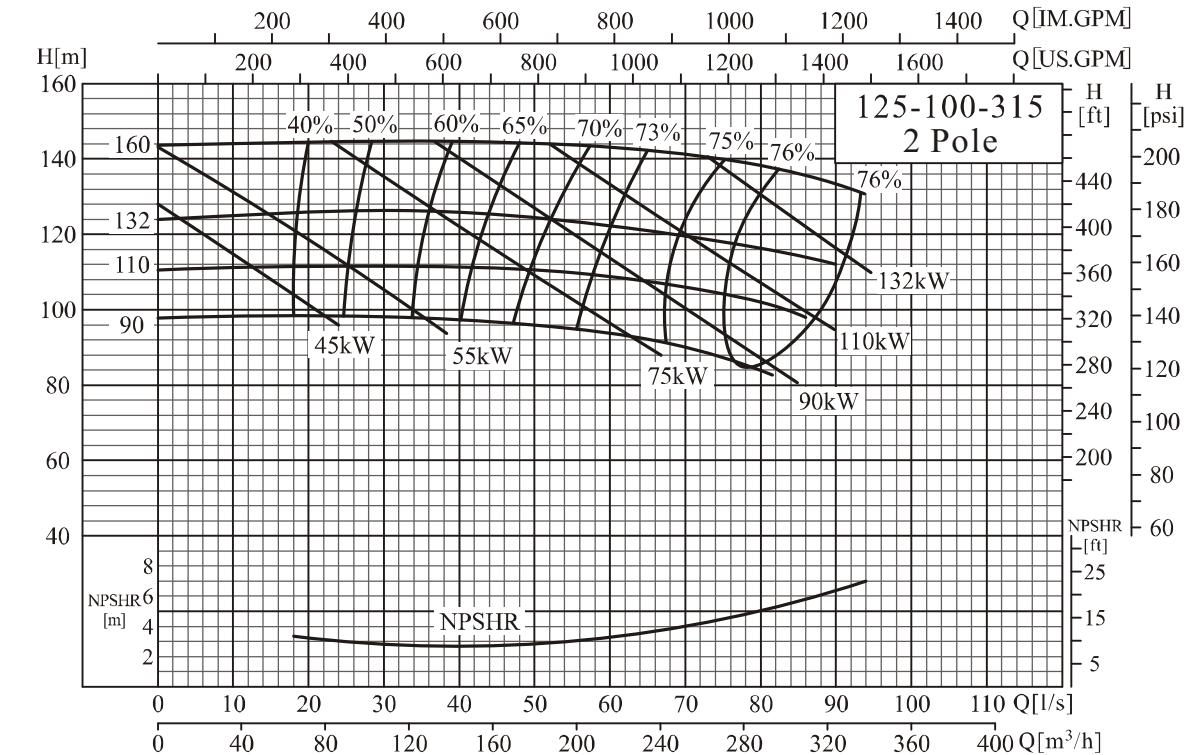
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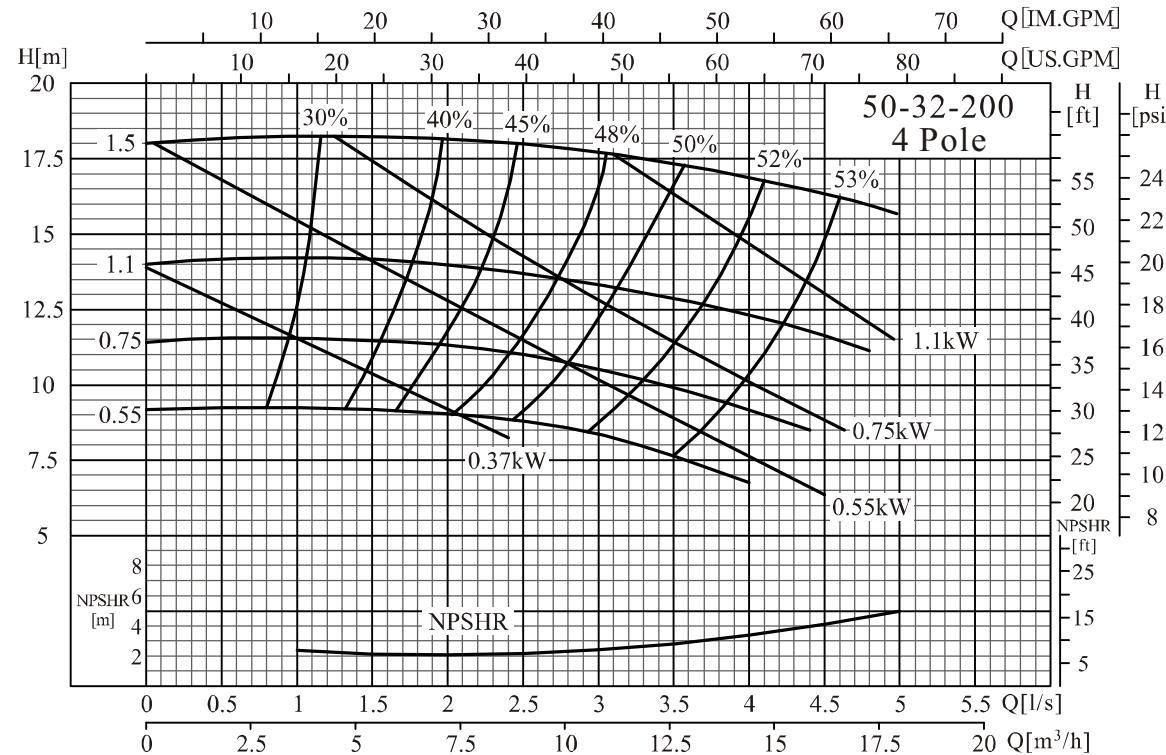
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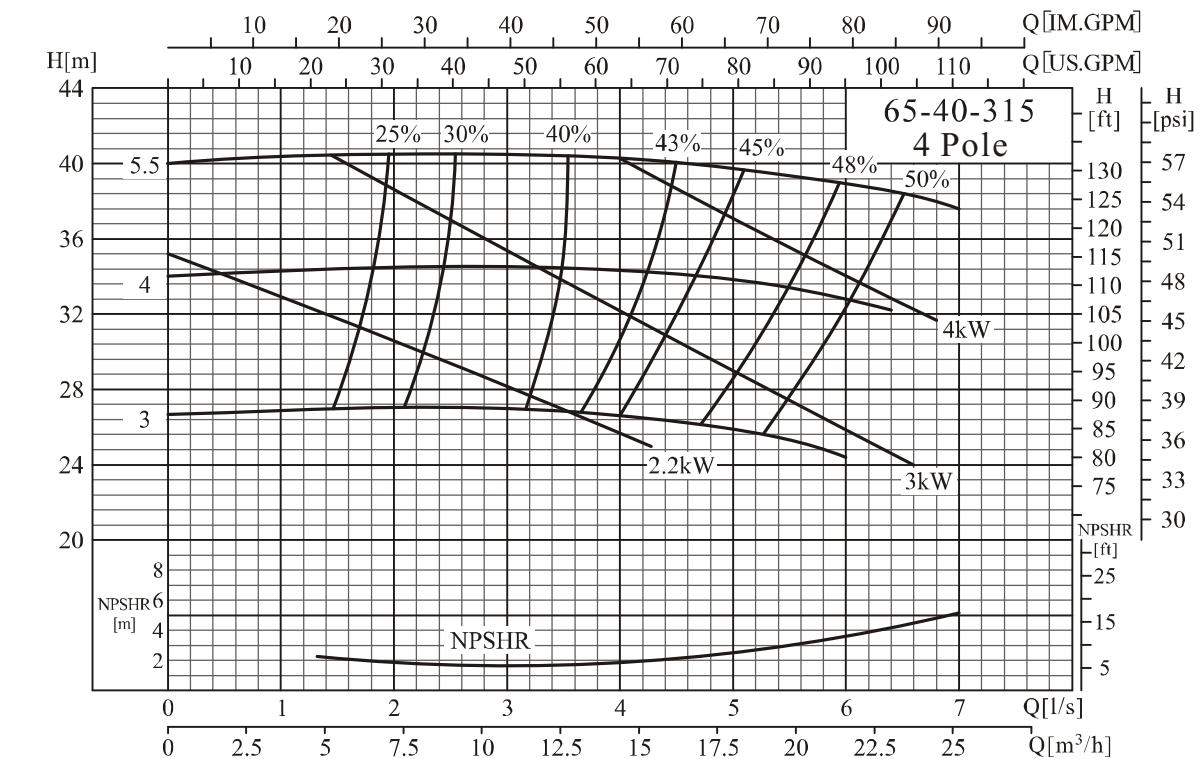
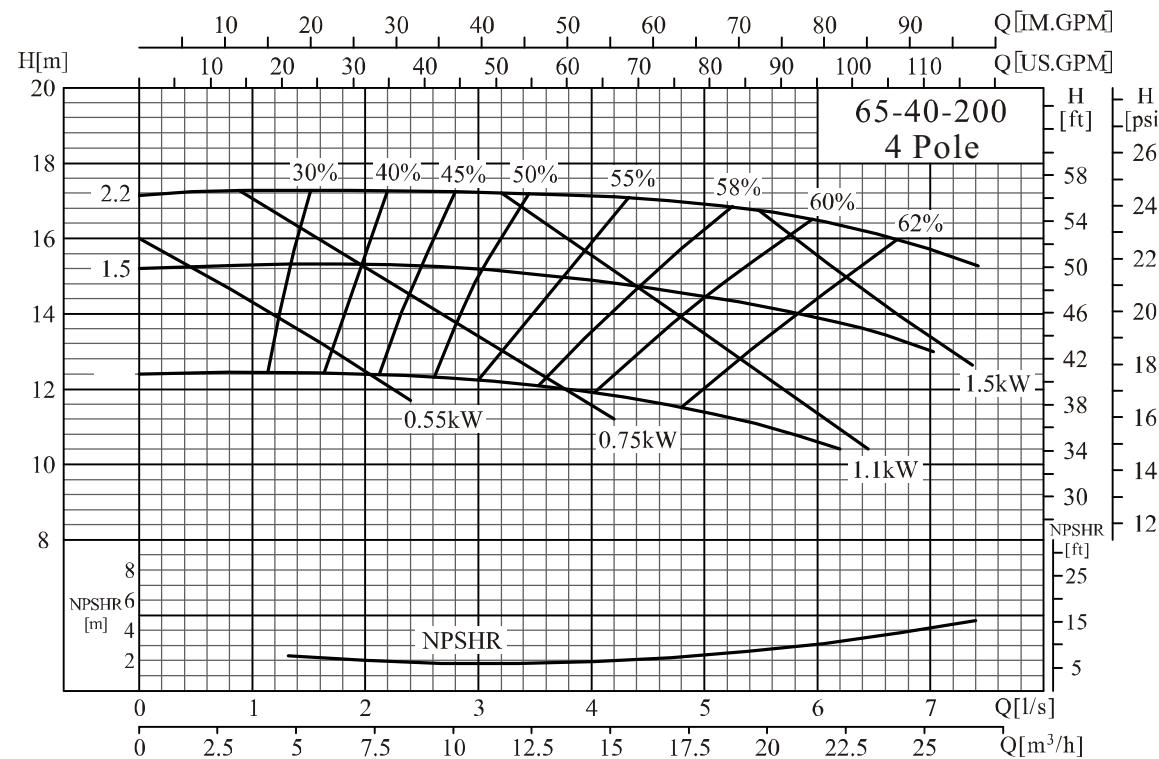
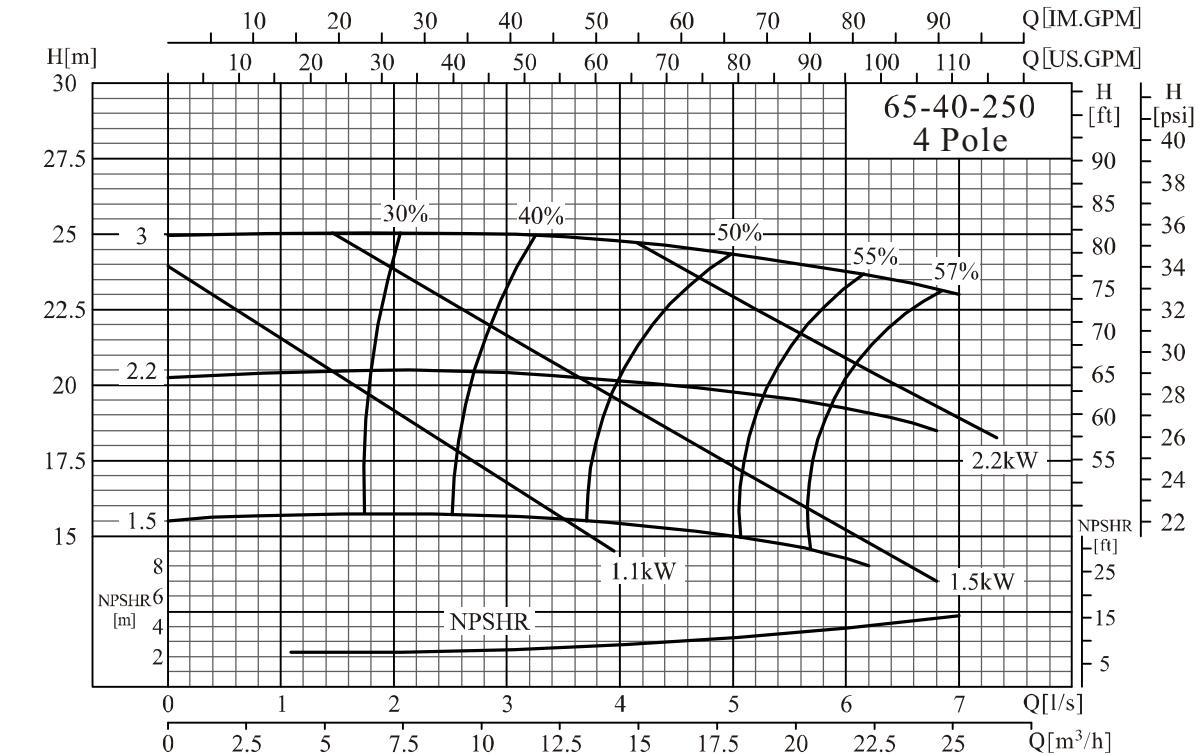
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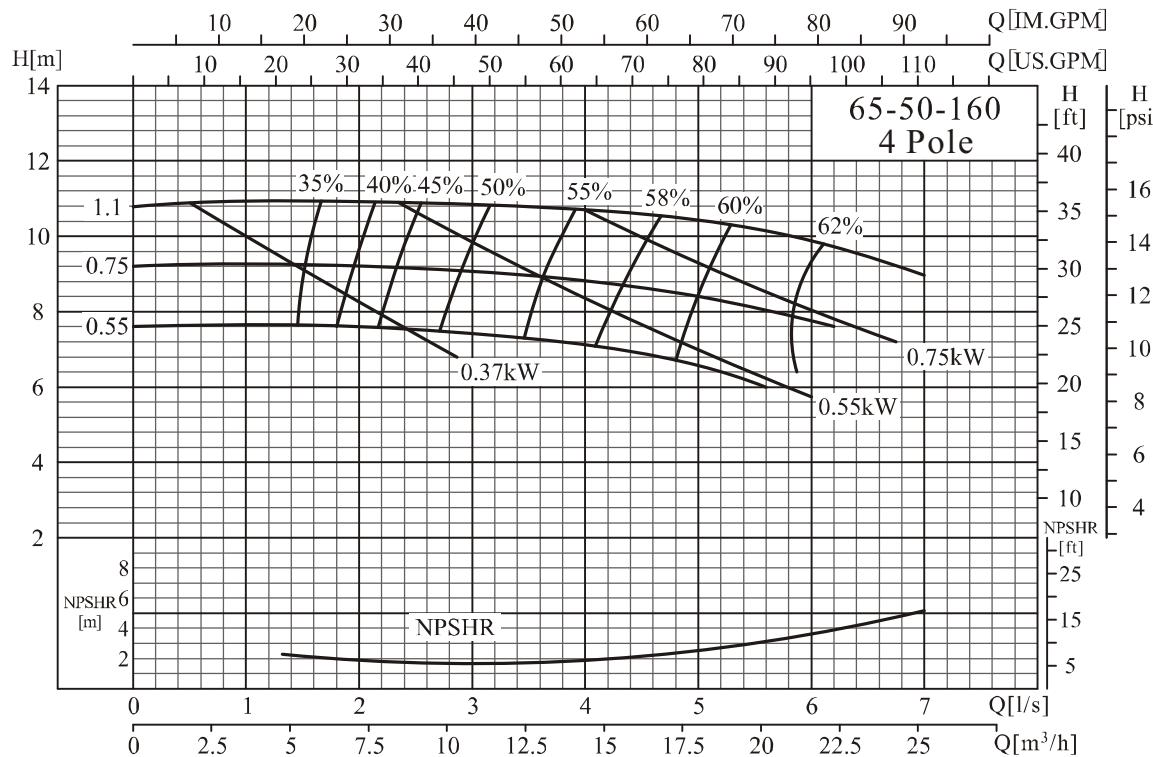
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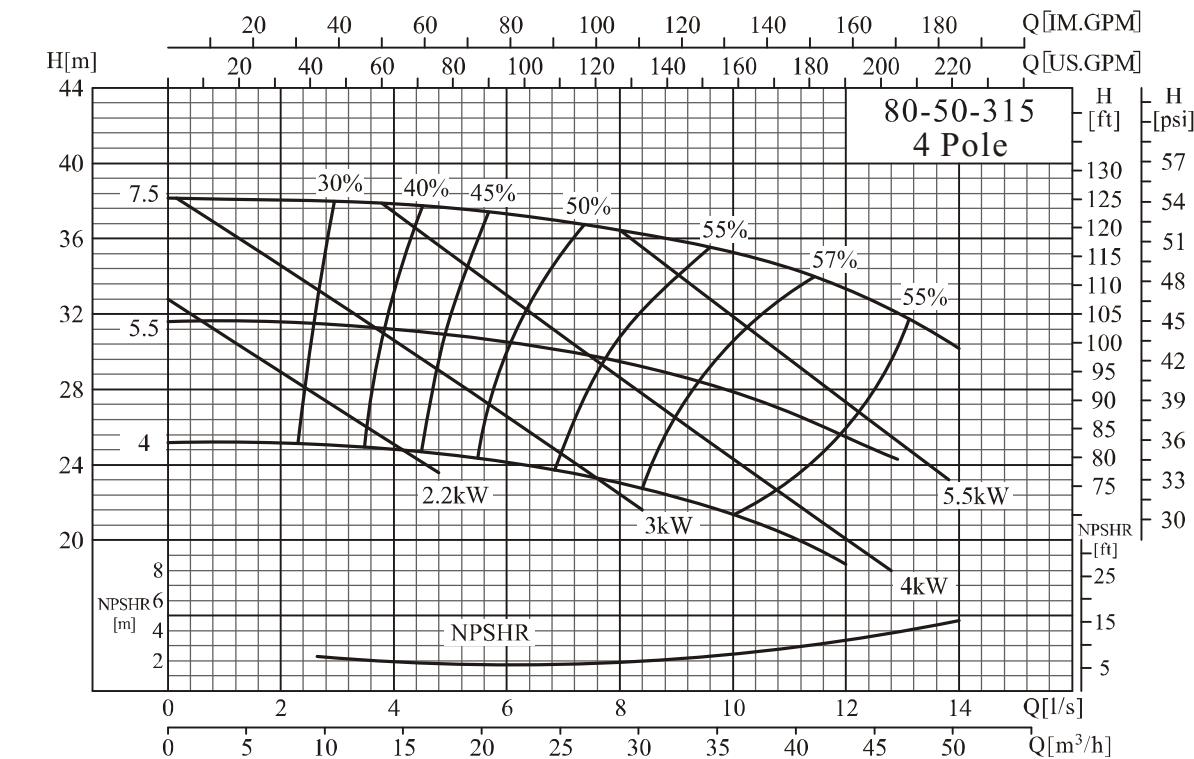
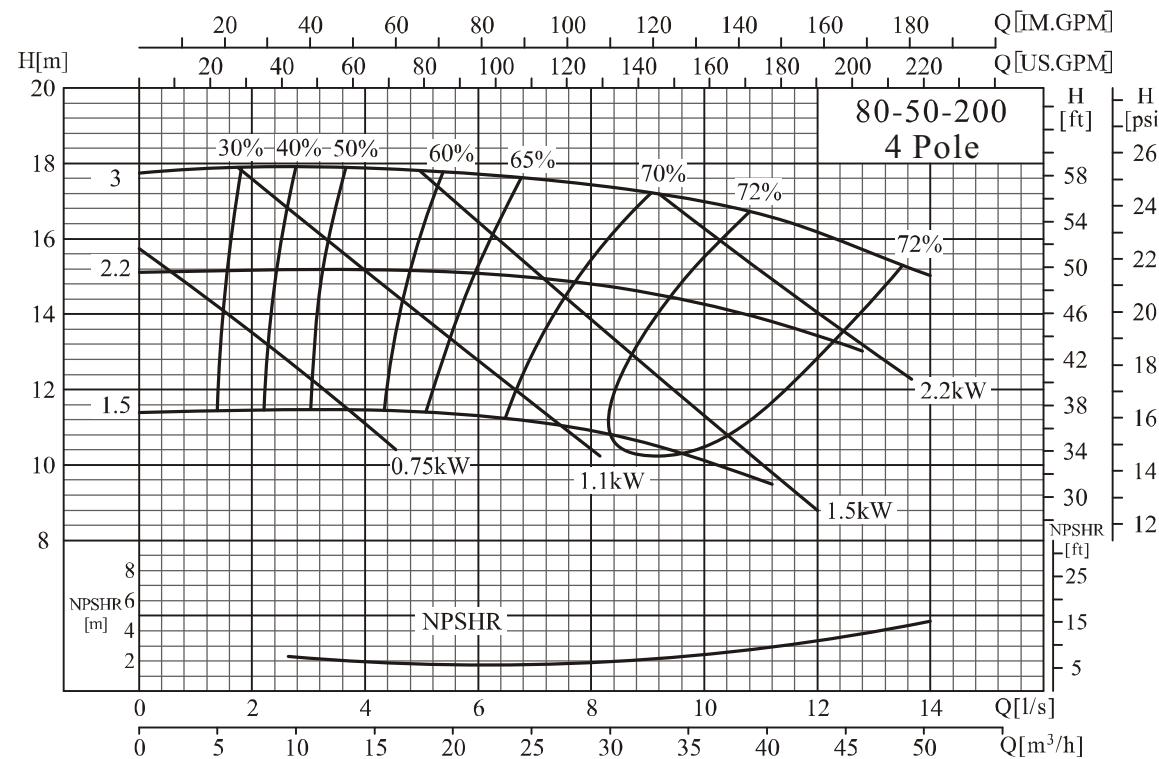
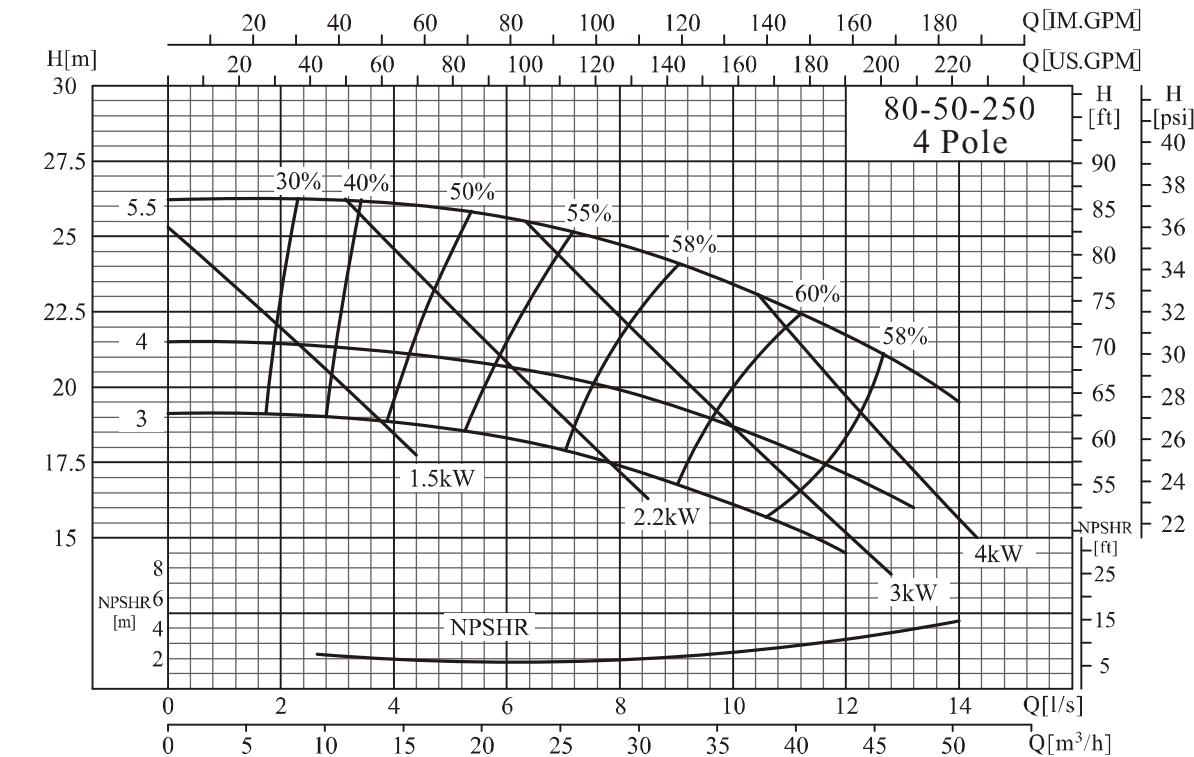
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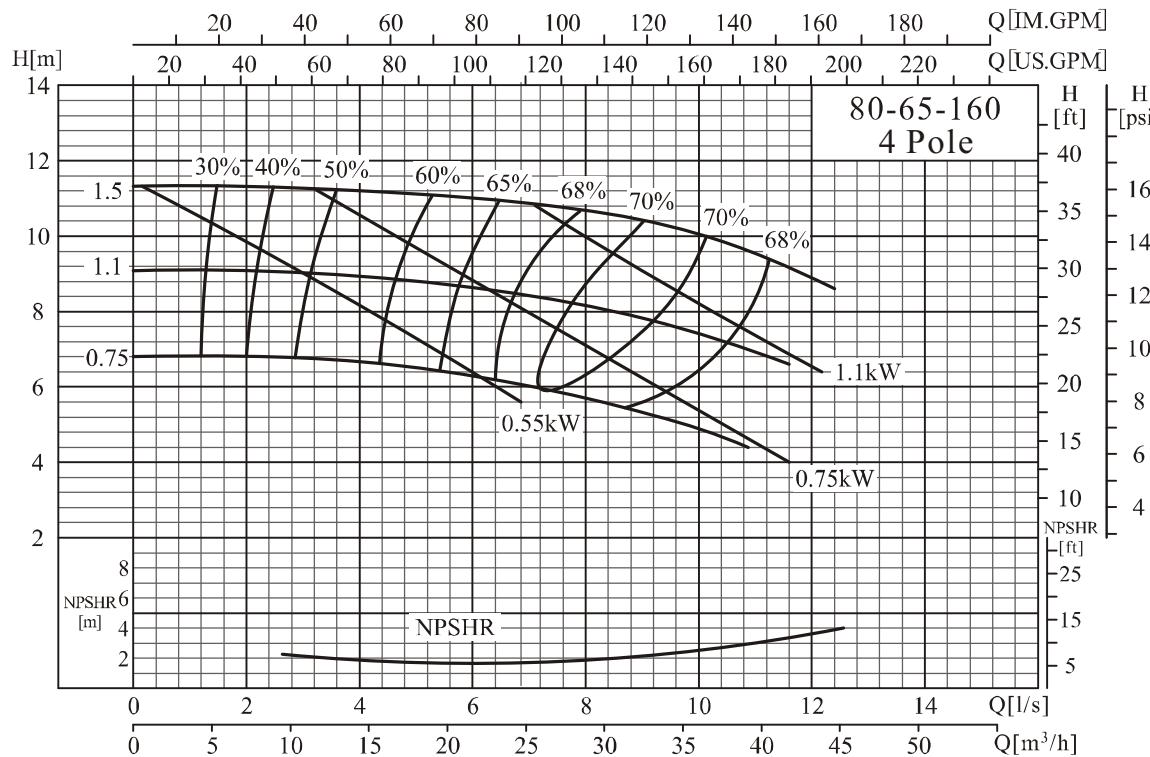
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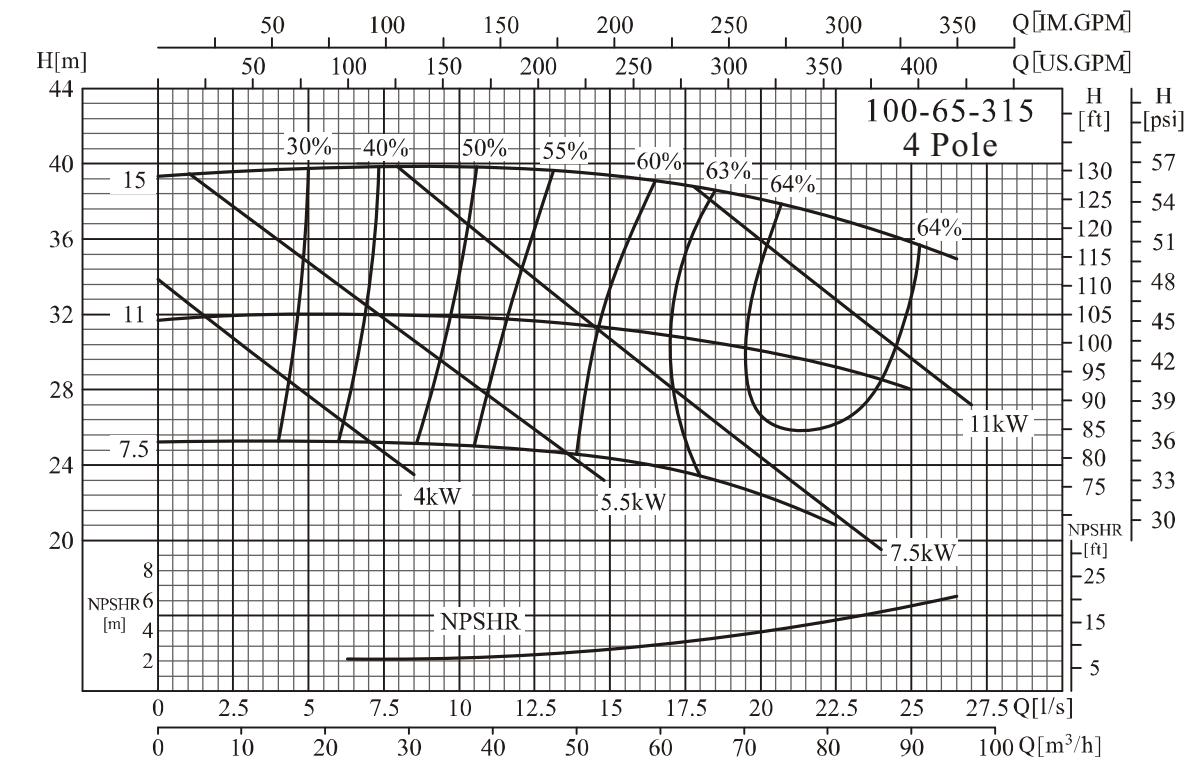
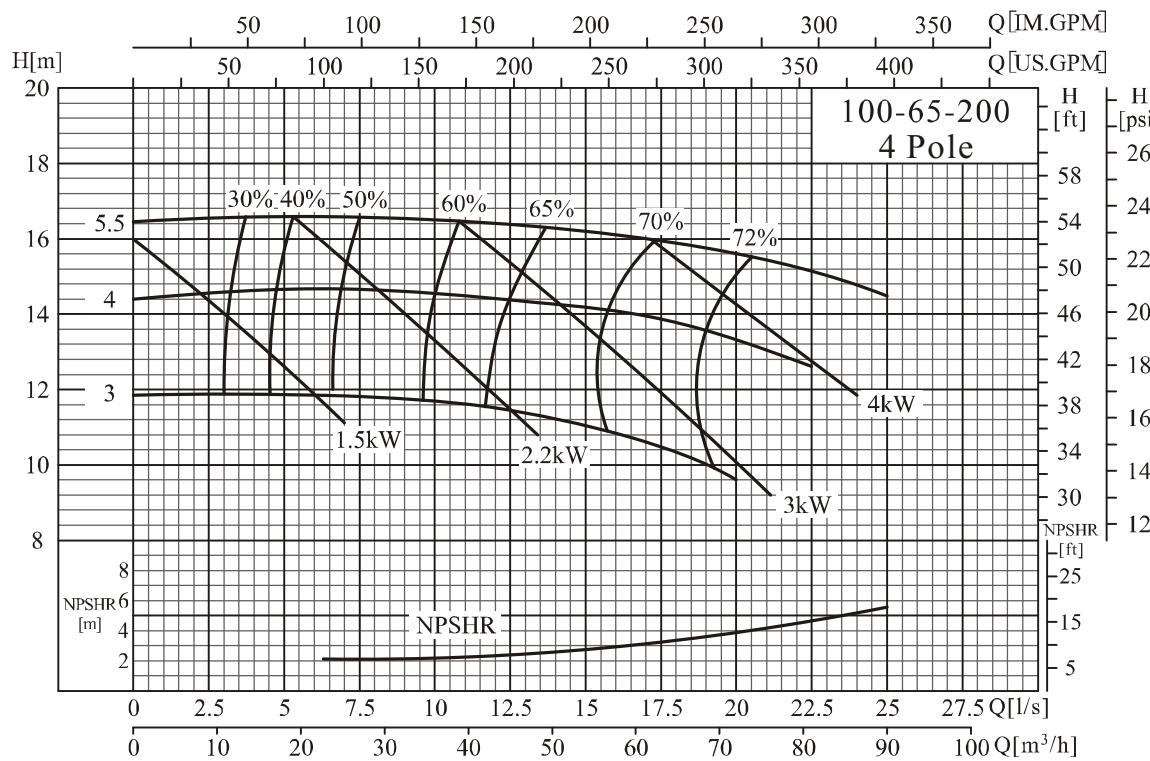
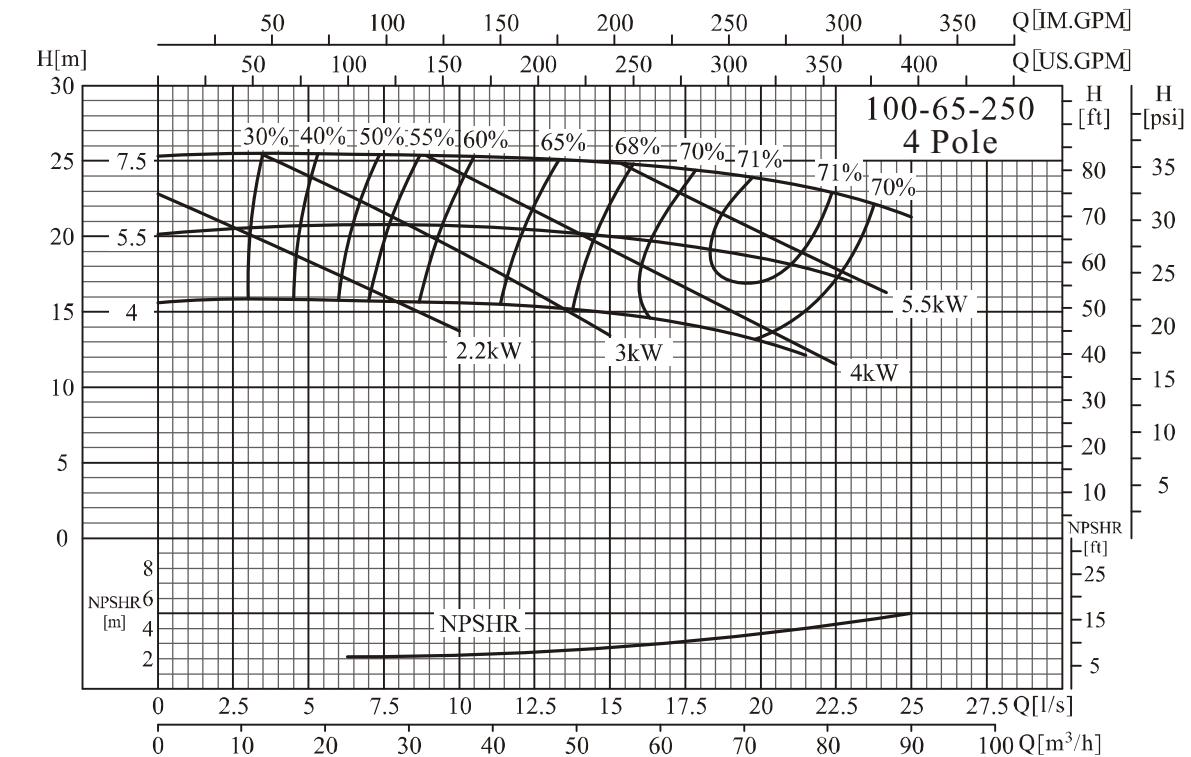
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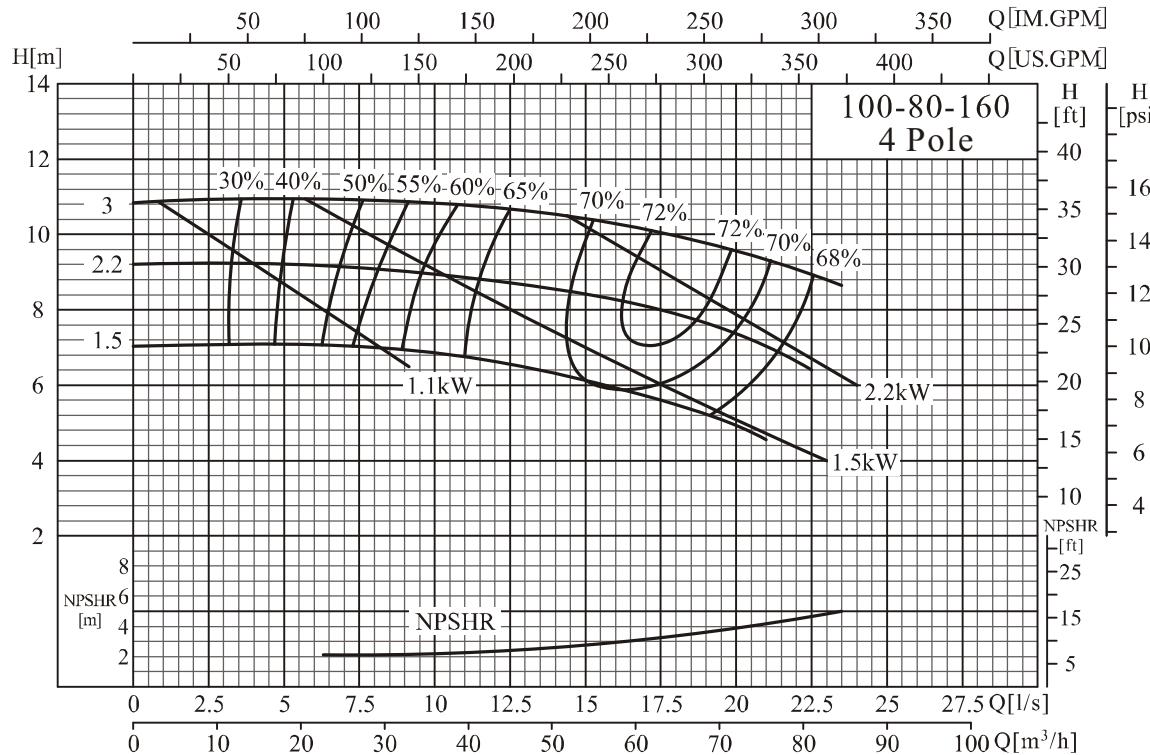
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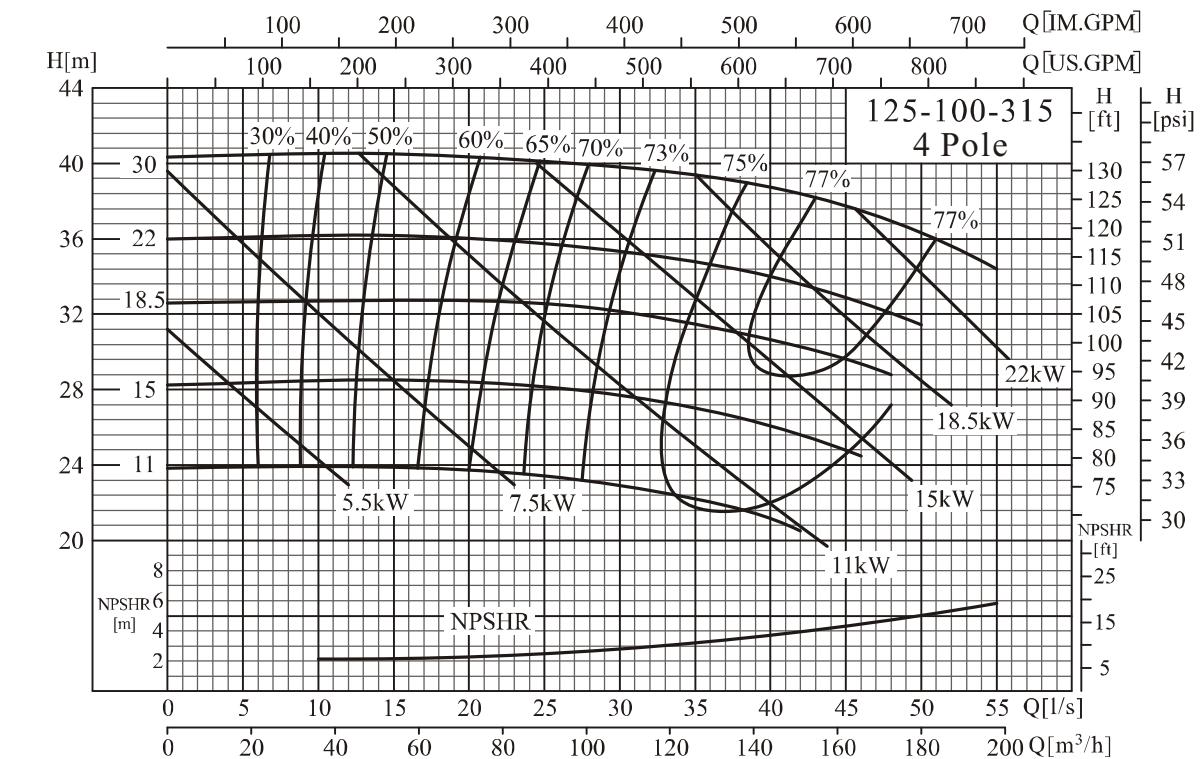
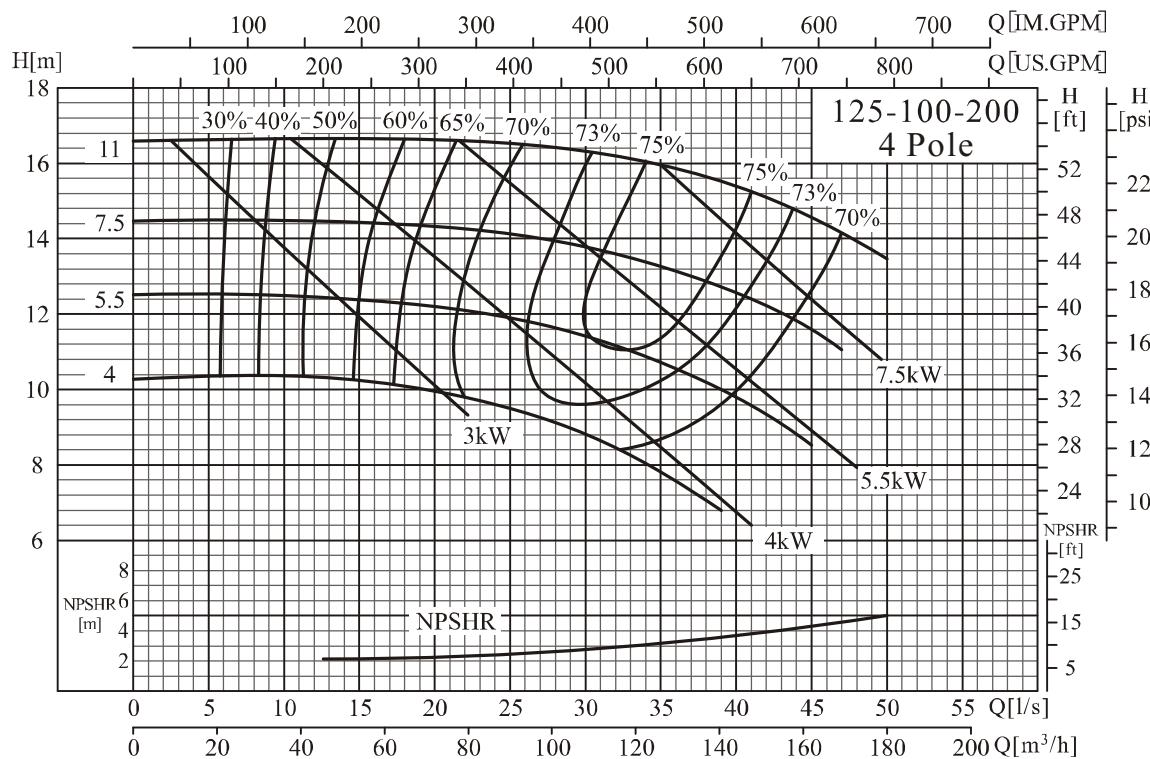
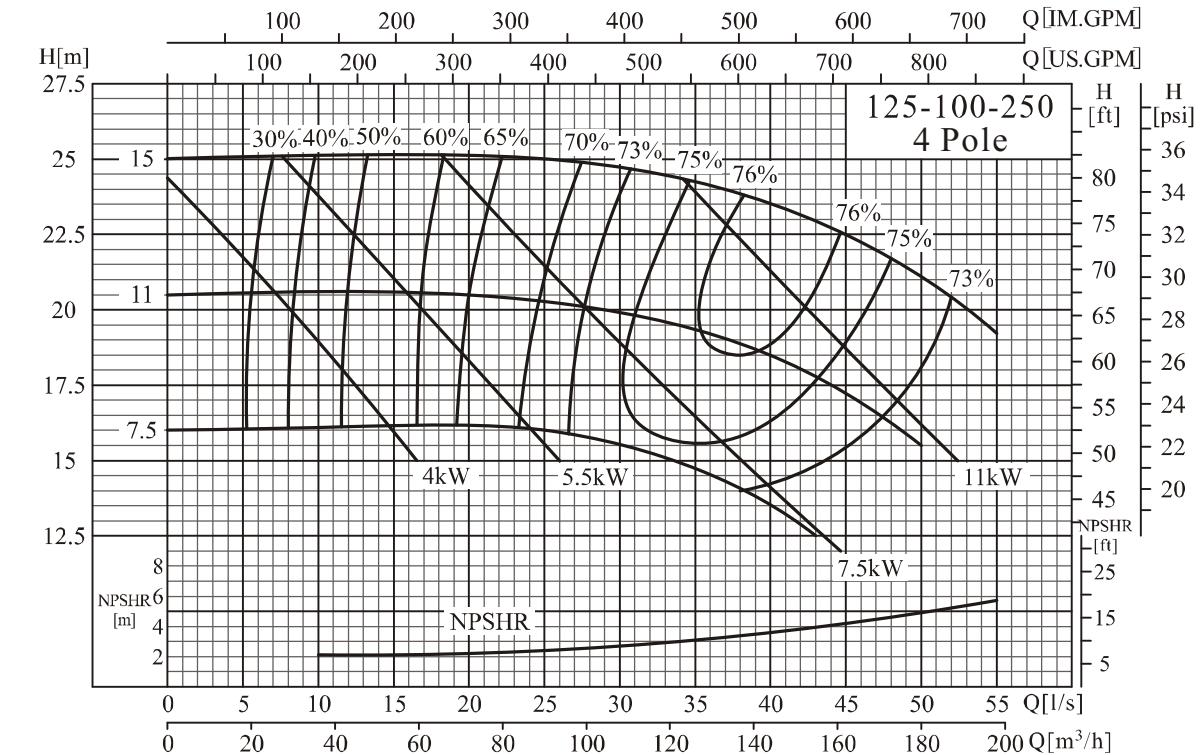
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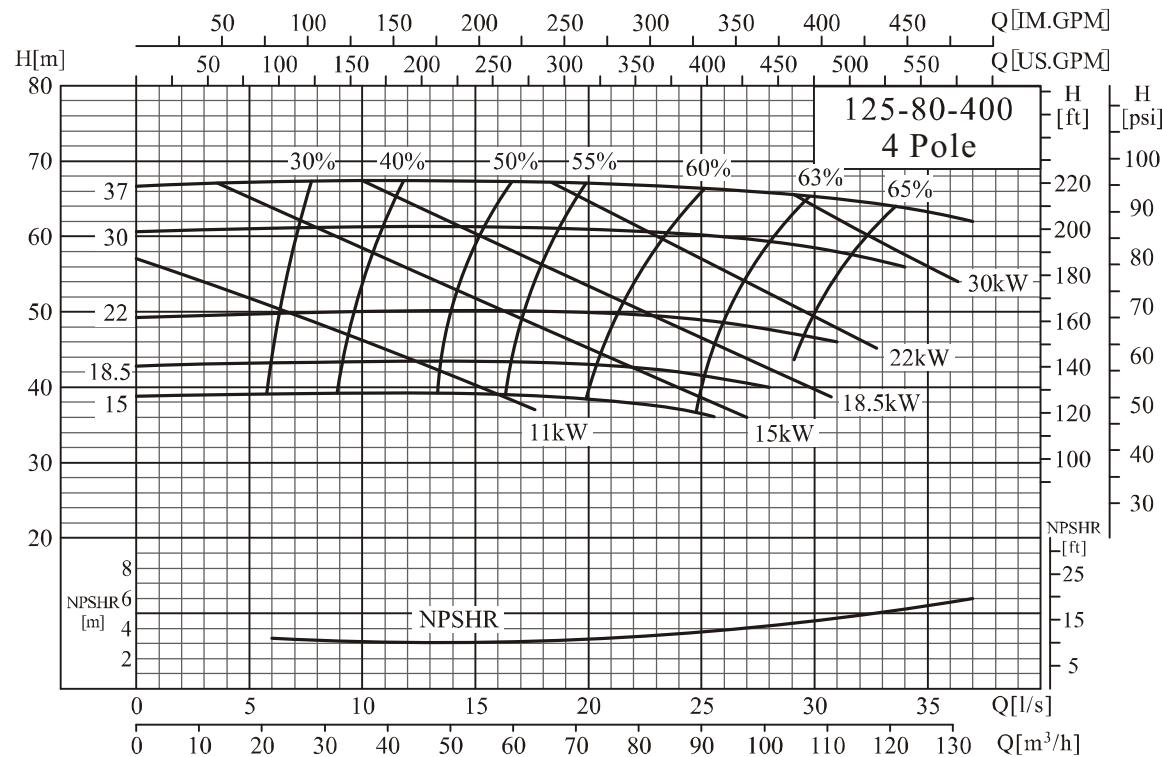
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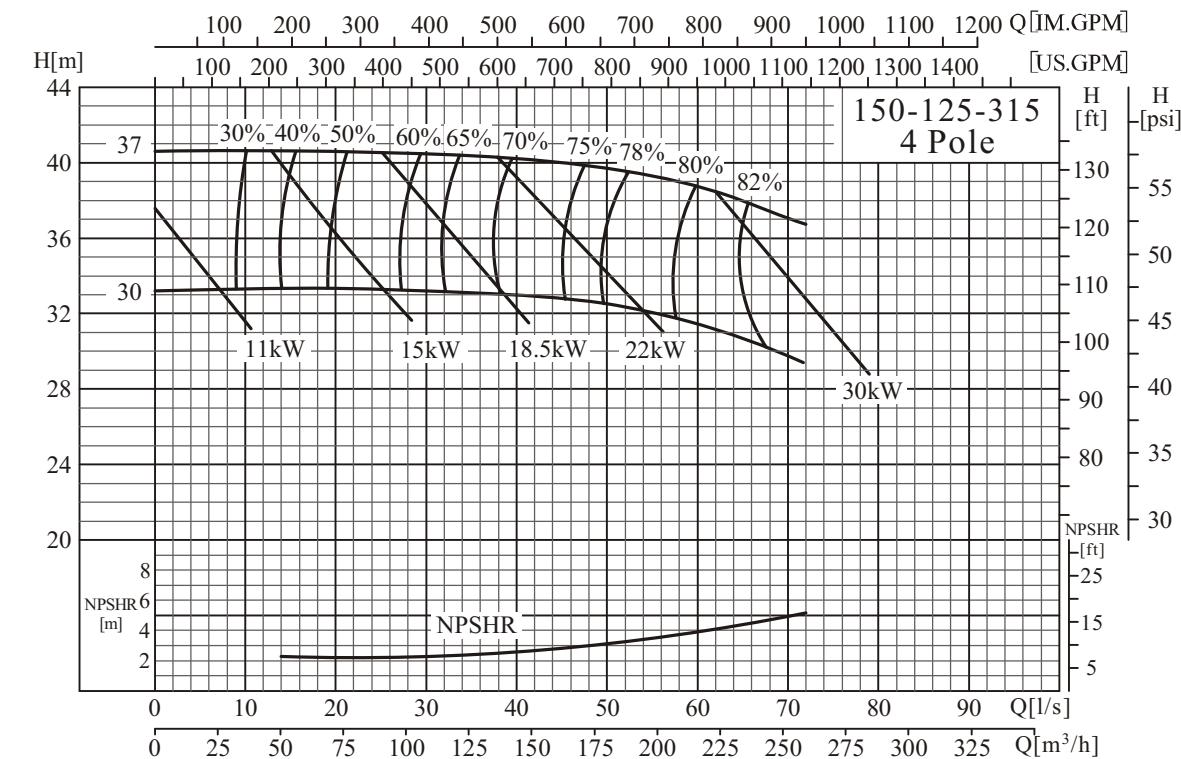
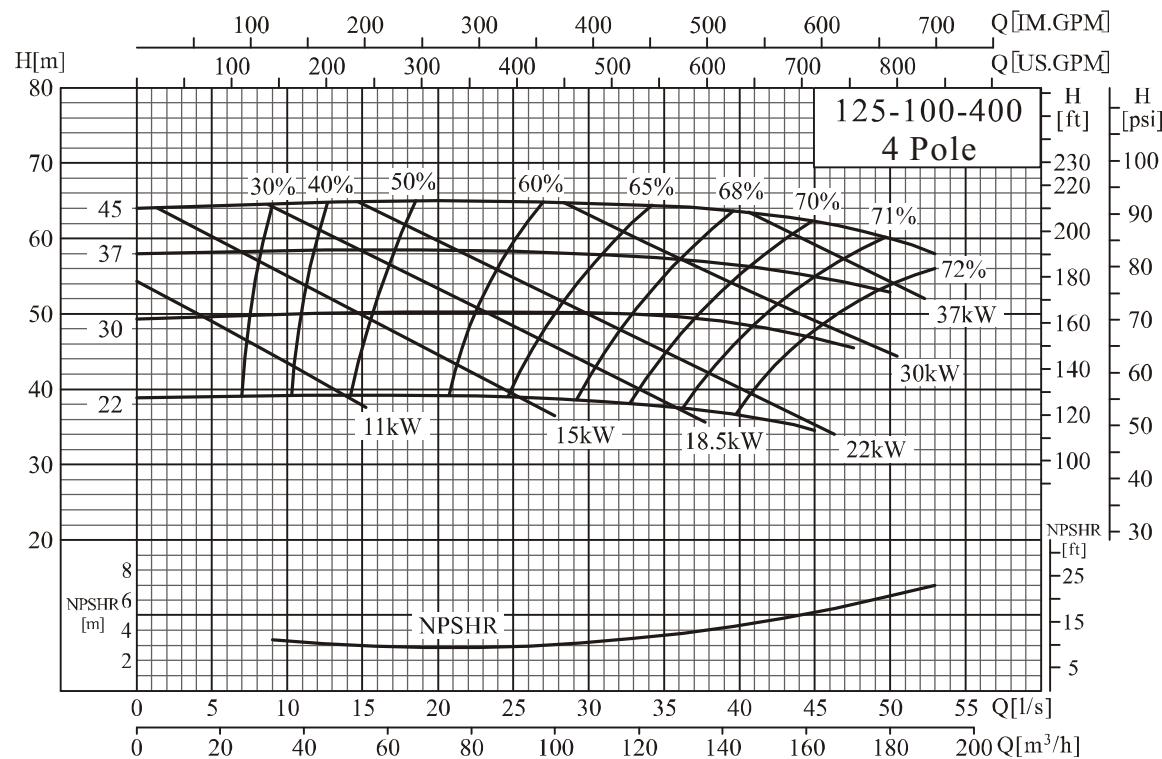
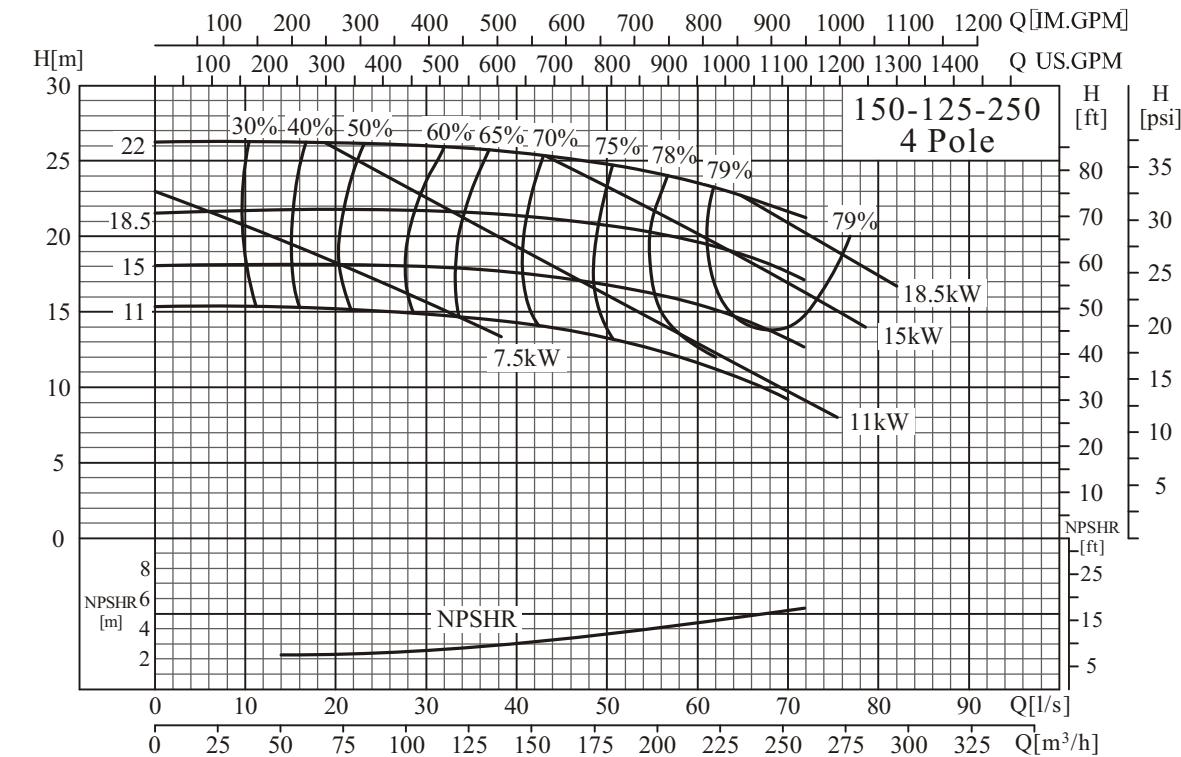
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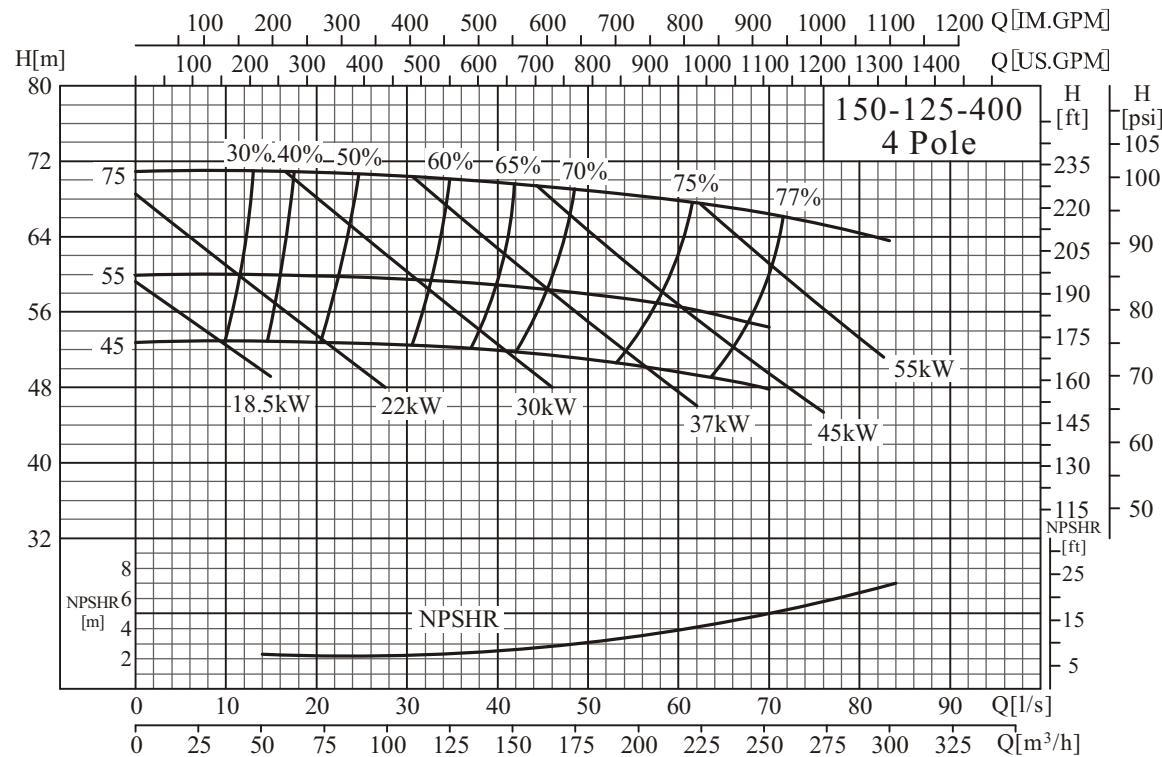
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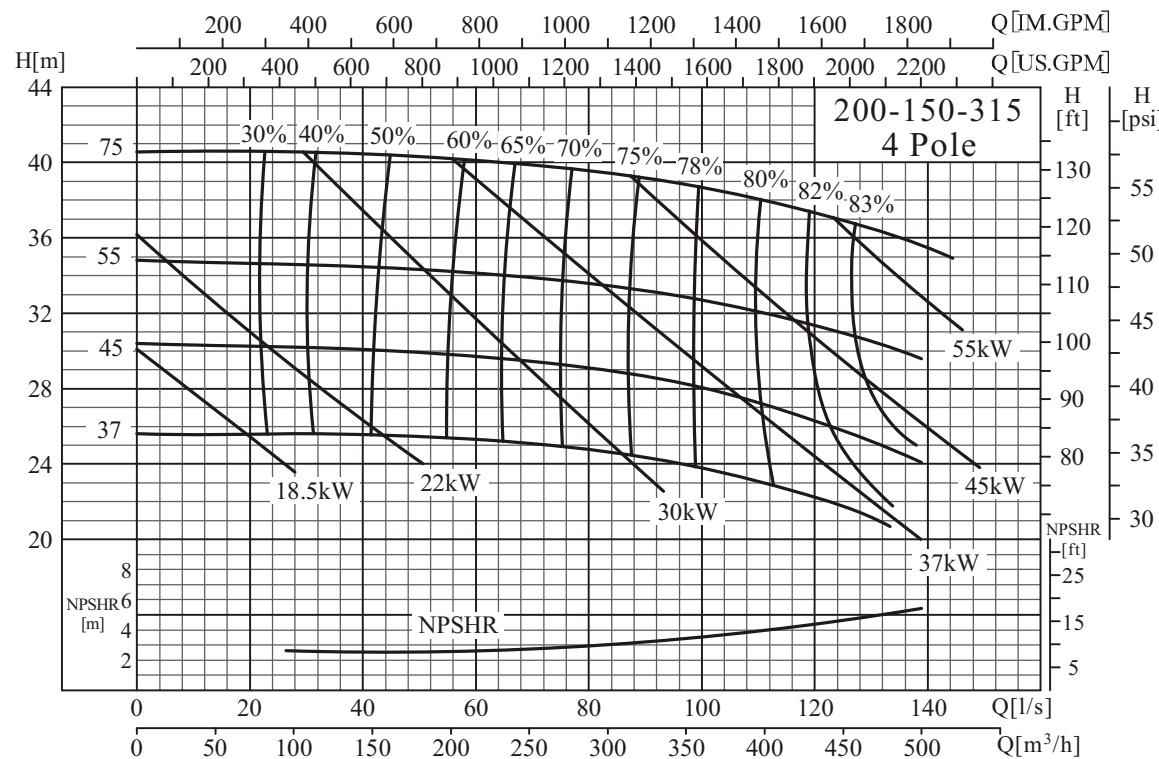
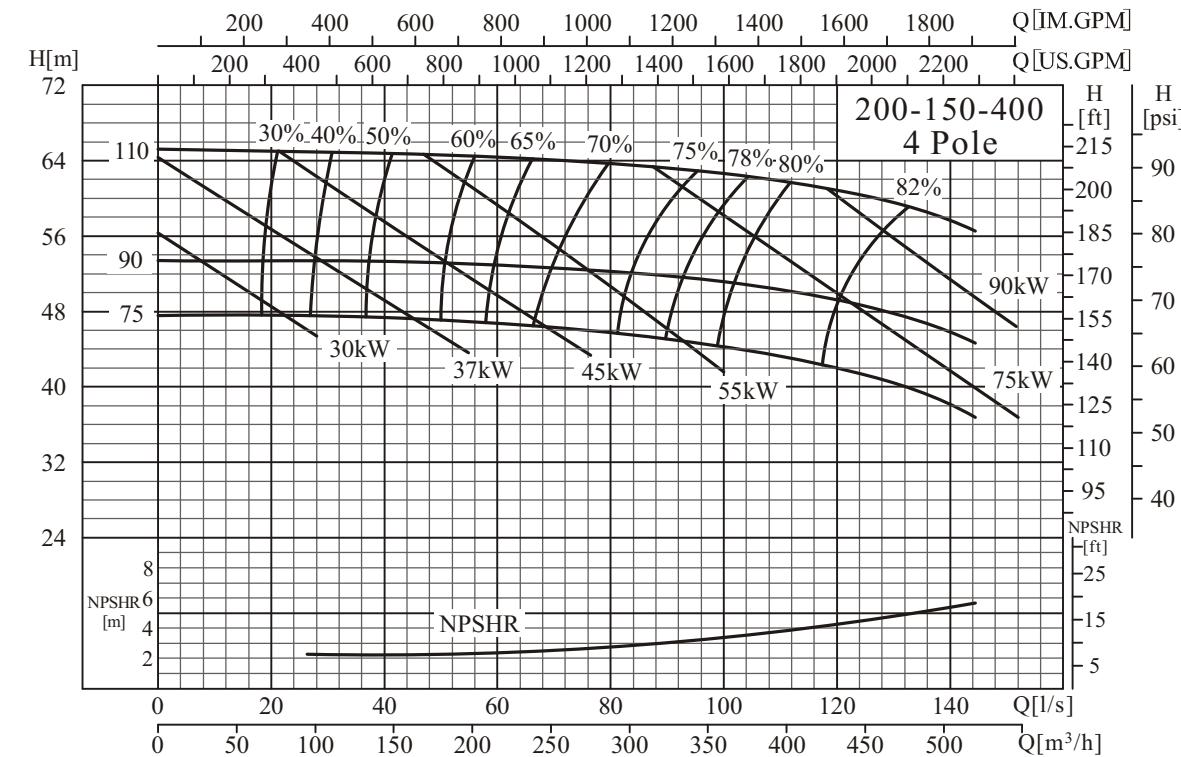
● NISO150-125-250/NISO150-125-315



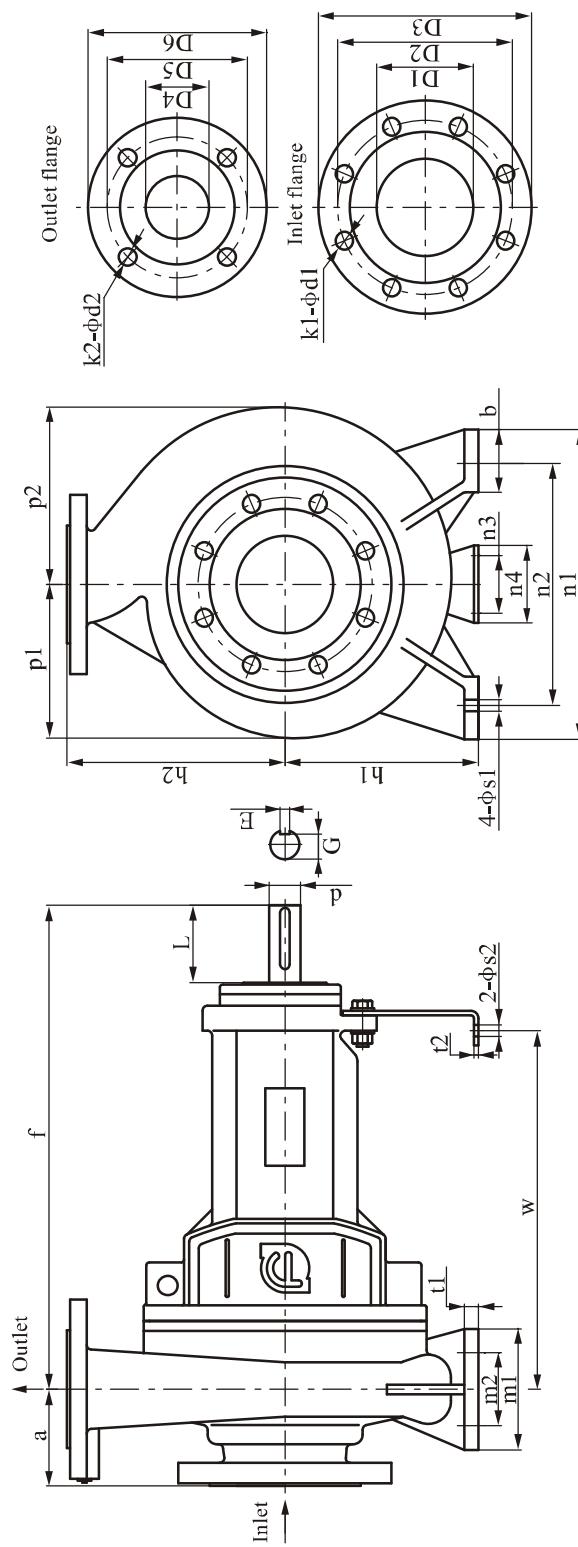
## ● NISO150-125-400/NISO200-150-315



## ● NISO200-150-400



## ● Pump dimensions



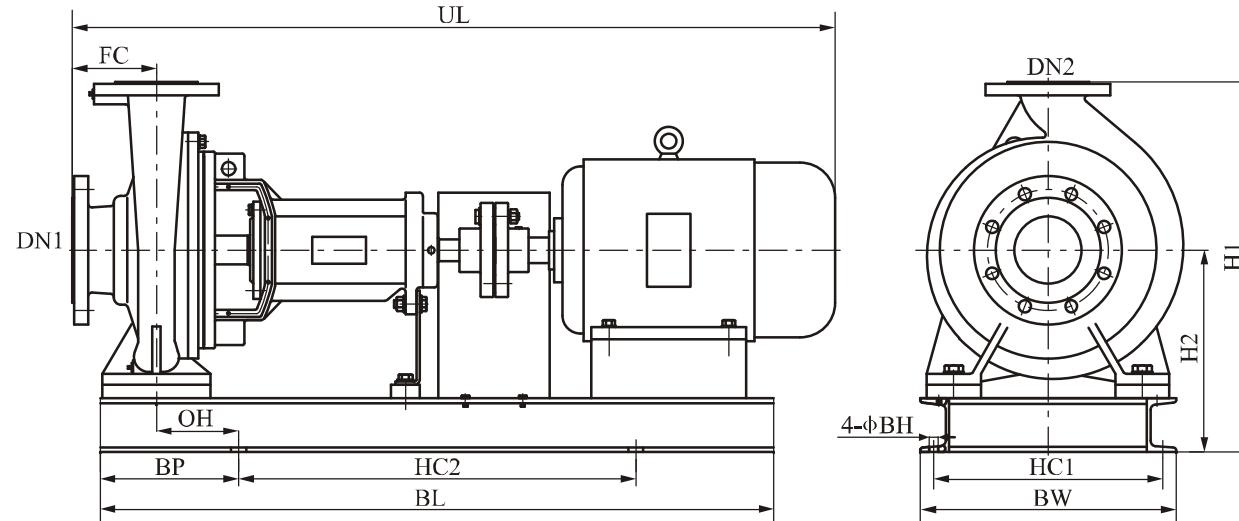
## ● Pump dimension table

No.	Model	Pump size							Installation dimension										
		a	f	h1	h2	b	p1	p2	m1	m2	n1	n2	n3	n4	t1	t2	w	s1	s2
1	50-32-160	80	385	132	160	50	118	128	100	70	240	190	110	160	12	6	285	14	14
2	50-32-200	80	385	160	180	50	139	147	100	70	240	190	110	160	12	6	285	14	14
3	65-50-160	80	385	132	160	50	121	136	100	70	240	190	110	160	12	6	285	14	14
4	65-40-200	100	385	160	180	50	140	151	100	70	265	212	110	160	13	6	285	14	14
5	65-40-250	100	500	180	225	65	166	176	125	95	320	250	110	160	14	6	370	14	14
6	65-40-315	125	500	200	250	65	194	200	125	95	345	280	110	160	16	6	370	14	14
7	80-65-160	100	385	160	180	50	124	143	100	70	265	212	110	160	13	6	285	14	14
8	80-50-200	100	385	160	200	52	147	161	100	70	265	212	110	160	13	6	285	14	14
9	80-50-250	125	500	180	225	65	167	179	125	95	320	250	110	160	15	6	370	14	14
10	80-50-315	125	500	225	280	65	204	215	125	95	345	280	110	160	18	6	370	14	14
11	100-65-200	100	500	180	225	65	159	183	125	95	320	250	110	160	14	6	370	14	14
12	100-65-250	125	500	200	250	80	180	201	160	120	360	280	110	160	16	6	370	18	14
13	100-65-315	125	530	225	280	80	210	228	160	120	400	315	110	160	18	6	370	18	14
14	100-80-160	100	500	160	200	65	132	160	125	95	280	212	110	160	14	6	370	14	14
15	125-80-400	125	530	280	355	80	261	279	160	120	435	355	110	160	20	6	370	18	14
16	125-100-200	125	500	200	280	80	175	210	160	120	360	280	110	160	17	6	370	18	14
17	125-100-250	140	530	225	280	80	193	225	160	120	400	315	110	160	18	6	370	18	14
18	125-100-315	140	530	250	315	80	224	250	160	120	400	315	110	160	19	6	370	18	14
19	125-100-400	140	530	280	355	100	265	287	200	150	500	400	110	160	20	6	370	18	14
20	150-125-250	140	530	250	355	80	204	244	160	120	400	315	110	160	19	6	370	18	14
21	150-125-315	140	530	280	355	100	236	271	200	150	500	400	110	160	20	6	370	22	14
22	150-125-400	140	530	315	400	100	273	301	200	150	500	400	110	160	21	6	370	22	14
23	200-150-315	160	670	315	400	82	255	304	200	150	515	450	140	180	25	10	500	22	18
24	200-150-400	160	670	315	450	82	291	330	200	150	515	450	140	180	25	10	500	22	18

● To be continued

No.	Model	Inlet flange size					Outlet flange size					Size of pump shaft extention				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	40
2	50-32-200	50	125	165	4	18	32	100	140	4	18	24	50	8	20	48
3	65-50-160	65	145	185	4	18	50	125	165	4	18	24	50	8	20	42
4	65-40-200	65	145	185	4	18	40	110	150	4	18	24	50	8	20	50
5	65-40-250	65	145	185	4	18	40	110	150	4	18	32	80	10	27	72
6	65-40-315	65	145	185	4	18	40	110	150	4	18	32	80	10	27	82
7	80-65-160	80	160	200	8	18	65	145	185	4	18	24	50	8	20	48
8	80-50-200	80	160	200	8	18	50	125	165	4	18	24	50	8	20	54
9	80-50-250	80	160	200	8	18	50	125	165	4	18	32	80	10	27	75
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	73
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	168
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	130
18	125-100-315	125	210	250	8	18	100	180	220	8	18	42	110	12	37	138
19	125-100-400	125	210	250	8	18	100	180	220	8	18	42	110	12	37	178
20	150-125-250	150	240	285	8	22	125	210	250	8	18	42	106	12	37	134
21	150-125-315	150	240	285	8	22	125	210	250	8	18	42	106	12	37	167
22	150-125-400	150	240	285	8	22	125	210	250	8	18	42	106	12	37	186
23	200-150-315	200	295	340	12	22	150	240	285	8	22	60	110	18	53	228
24	200-150-400	200	295	340	12	22	150	240	285	8	22	60	110	18	53	285

● Pump set dimension



● Pump set dimension table

Model	Power (kW)	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Total weight (kg)
50-32-160	3	375	215	260	460	295	760	150	14	95	843	80	50	32	98
	4	375	215	260	460	295	760	150	14	95	868	80	50	32	105
	5.5	375	215	280	520	315	820	150	14	95	933	80	50	32	128
50-32-200	7.5	423	243	280	520	315	820	150	14	95	933	80	50	32	141
	11	440	260	320	600	358	950	175	18	120	1068	80	50	32	194
65-40-200	7.5	423	243	280	520	315	820	150	14	95	953	100	65	40	143
	11	440	260	320	600	358	950	175	18	120	1088	100	65	40	196
	15	440	260	320	600	358	950	175	18	120	1088	100	65	40	206
65-40-250	18.5	505	280	320	750	358	1150	200	18	130	1243	100	65	40	254
	22	525	300	360	750	402	1150	200	18	130	1293	100	65	40	297
	30	545	320	400	750	442	1200	225	18	155	1363	100	65	40	354
65-40-315	22	570	320	360	750	402	1150	200	18	130	1318	125	65	40	310
	30	570	320	400	750	442	1200	225	18	155	1388	125	65	40	363
	37	570	320	400	750	442	1200	225	18	155	1388	125	65	40	382
	45	615	365	440	800	487	1250	225	22	155	1433	125	65	40	457
65-50-160	4	375	215	260	460	295	760	150	14	95	868	80	65	50	107
	5.5	375	215	280	520	315	820	150	14	95	933	80	65	50	130
	7.5	375	215	280	520	315	820	150	14	95	933	80	65	50	133

# Technical Data

# Technical Data

● To be continued

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	320	600	358	950	175	18	120	1088	100	80	50	200	
	15	460	260	320	600	358	950	175	18	120	1088	100	80	50	210	
	18.5	460	260	320	650	358	1000	175	18	120	1128	100	80	50	231	
	22	480	280	360	650	398	1000	175	18	120	1178	100	80	50	270	
80-50-250	30	545	320	400	750	442	1200	225	18	155	1388	125	80	50	356	
	37	545	320	400	750	442	1200	225	18	155	1388	125	80	50	375	
80-50-315	37	625	345	400	750	442	1200	225	18	155	1388	125	80	50	393	
	45	645	365	440	800	487	1250	225	22	155	1433	125	80	50	463	
	55	675	395	500	850	547	1350	250	22	180	1538	125	80	50	562	
	75	725	445	550	900	602	1400	250	22	180	1613	125	80	50	727	
80-65-160	5.5	423	243	280	520	315	820	150	14	95	953	100	80	65	138	
	7.5	423	243	280	520	315	820	150	14	95	953	100	80	65	141	
	11	440	260	320	600	358	950	175	18	120	1088	100	80	65	194	
	15	440	260	320	600	358	950	175	18	120	1088	100	80	65	204	
100-65-200	18.5	505	280	320	750	358	1150	200	18	130	1243	100	100	65	254	
	22	525	300	360	750	402	1150	200	18	130	1293	100	100	65	297	
	30	545	320	400	750	442	1200	225	18	155	1363	100	100	65	354	
	37	545	320	400	750	442	1200	225	18	155	1363	100	100	65	373	
100-65-250	45	615	365	440	800	487	1250	225	22	135	1433	125	100	65	459	
	55	645	395	500	850	547	1350	250	22	160	1538	125	100	65	559	
	75	695	445	550	900	602	1400	250	22	160	1613	125	100	65	725	
100-65-315	90	725	445	550	900	602	1500	300	22	210	1693	125	100	65	803	
	110	760	480	600	1000	655	1600	300	22	210	1848	125	100	65	1202	
100-80-160	11	460	260	320	700	358	1100	200	18	130	1203	100	100	80	220	
	15	460	260	320	700	358	1100	200	18	130	1203	100	100	80	230	
	18.5	460	260	320	750	358	1150	200	18	130	1243	100	100	80	251	
	22	480	280	360	750	398	1150	200	18	130	1293	100	100	80	289	
125-100-200	30	600	320	400	800	442	1250	225	18	135	1388	125	125	100	371	
	37	600	320	400	800	442	1250	225	18	135	1388	125	125	100	390	
	45	645	365	440	800	487	1250	225	22	135	1433	125	125	100	464	
	55	675	395	500	850	547	1350	250	22	160	1538	125	125	100	564	
	75	725	445	550	900	602	1400	250	22	160	1613	125	125	100	730	

● To be continued

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	725	445	550	900	602	1400	250	22	160	1658	140	125	100	769	
	90	725	445	550	900	602	1500	300	22	210	1708	140	125	100	811	
	110	760	480	600	1000	655	1600	300	22	210	1863	140	125	100	1210	
	90	760	445	550	900	602	1500	300	22	210	1708	140	125	100	817	
125-100-315	110	795	480	600	1000	655	1600	300	22	210	1863	140	125	100	1217	
	132	795	480	600	1000	655	1600	300	22	210	1973	140	125	100	1273	
	160	795	480	600	1000	655	1600	300	22	210	1973	140	125	100	1393	

● 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)	
50-32-160	0.55	375	215	260	420	295	670	125	14	70	748	80	50	32	80	
	0.75	375	215	260	420	295	670	125	14	70	748	80	50	32	81	
50-32-200	1.1	423	243	260	450	295	700</td									

# Technical Data

# Technical Data

● To be continued

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	488	263	320	550	355	900	175	14	105	978	100	100	65	143	
	4	488	263	320	550	355	900	175	14	105	1003	100	100	65	149	
	5.5	488	263	320	600	355	950	175	14	105	1068	100	100	65	170	
100-65-250	5.5	533	283	360	600	395	950	175	14	90	1093	125	100	65	182	
	7.5	550	300	360	650	398	1000	175	18	90	1133	125	100	65	201	
100-65-315	11	605	325	400	750	438	1150	200	18	115	1258	125	100	65	291	
	15	605	325	400	750	438	1150	200	18	115	1298	125	100	65	313	
100-80-160	1.5	443	243	280	500	315	850	175	14	105	943	100	100	80	127	
	2.2	443	243	280	550	315	900	175	14	105	978	100	100	80	134	
	3	443	243	280	550	315	900	175	14	105	978	100	100	80	139	
125-80-400	15	755	400	440	800	482	1200	200	18	110	1298	125	125	80	375	
	18.5	755	400	440	800	482	1200	200	18	110	1348	125	125	80	409	
	22	775	420	440	800	487	1250	225	22	135	1388	125	125	80	437	
	30	775	420	440	800	487	1250	225	22	135	1418	125	125	80	493	
	37	775	420	440	850	487	1300	225	22	135	1468	125	125	80	549	
	4	563	283	360	550	395	900	175	14	90	1028	125	125	100	171	
125-100-200	5.5	563	283	360	600	395	950	175	14	90	1093	125	125	100	187	
	7.5	580	300	360	650	398	1000	175	18	90	1133	125	125	100	206	
	11	580	300	360	700	398	1100	200	18	115	1228	125	125	100	251	
125-100-250	15	605	325	400	750	438	1150	200	18	115	1313	140	125	100	321	
125-100-315	11	685	370	400	750	442	1150	200	18	110	1273	140	125	100	320	
	18.5	685	370	400	800	442	1200	200	18	110	1363	140	125	100	374	
	22	685	370	400	750	442	1200	225	18	135	1403	140	125	100	393	
	30	705	390	400	800	447	1250	225	22	135	1433	140	125	100	458	
125-100-400	30	775	420	480	800	527	1250	225	22	115	1433	140	125	100	508	
	37	775	420	480	850	527	1300	225	22	115	1483	140	125	100	564	
	45	795	440	500	900	552	1400	250	22	140	1508	140	125	100	626	
150-125-250	11	725	370	400	750	442	1150	200	18	110	1273	140	150	125	316	
	15	725	370	400	750	442	1200	225	18	135	1313	140	150	125	340	
	18.5	725	370	400	750	442	1200	225	18	135	1363	140	150	125	372	
	22	725	370	400	750	442	1200	225	18	135	1403	140	150	125	391	

● To be continued

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	780	425	500	800	547	1250	225	22	115	1433	140	150	125	499	
	37	780	425	500	850	547	1300	225	22	115	1483	140	150	125	556	
	45	880	480	500	840	552	1340	250	22	140	1508	140	150	125	631	
150-125-400	55	880	480	500	900	552	1400	250	22	140	1583	140	150	125	699	
	75	880	480	550	850	602	1450	300	22	190	1658	140	150	125	851	
200-150-315	37	880	480	550	850	602	1450	300	22	190	1643	160	200	150	641	
	45	880	480	550	900	602	1500	300	22	190	1668	160	200	150	680	
	55	880	480	550	1000	602	1600	300	22	190	1743	160	200	150	752	
200-150-400	75	880	480	550	1000	602	1600	300	22	190	1818	160	200	150	897	
	75	930	480	550	1000	602	1600	300	22	190	1818	160	200	150	950	
	90	930	480	550	1100	602	1700	300	22	190	1868	160	200	150	1048	
	110	930	480	600	1100	655	1700	300	22	190	2053	160	200	150	1389	