

NIS / NISF

NISO

ULTRA HIGH
EFFICIENT
END SUCTION
PUMPS



BZT PUMPS

the best solution

Redefine energy saving pumps!

NIS/NISF/NISO ULTRA
HIGH EFFICIENT END SUCTION PUMPS



Ultra high efficiency

National energy-saving evaluated and certified products
Efficiency is 2%-8.3% higher than national energy-saving evaluated and certified products

Big range of performance

Max. flow rate up to 2000m³/h
Max. delivery head up to 160m

NIS NISF NISO

ULTRA HIGH EFFICIENT
END SUCTION PUMPS

The NIS/NISF/NISO pumps are a type of single-stage, single-suction, non-self-priming end-suction centrifugal pumps, designed based on the standard of GB/T 5662 (ISO 2858), with axial water inlet and radial water outlet. The core hydraulic components of the pumps, the impeller and the casing, have undergone exquisite simulation and optimization design, featuring superior performance and stable operation. The entire series is equipped with a fully enclosed IEC standard high-efficiency motor, making it more low-carbon and environmentally friendly in use. The pumps are widely used in municipal water supply, heating, air conditioning, and industrial water treatment systems.





CASING SIMULATION OPTIMIZATION DESIGN



NIS/NISF/NISO INNOVATION

Standardized design with high universality

Designed based on the GB/T5662 (ISO 2858) standard, the dimensions perfectly matches the requirements of the standard pipe network system, with high interchangeability. The installation is simple, and it enables efficient management of pumps and spare parts.

Wide performance range

The performance range is wide, with the flow rate of 5 to 2000 m³ and the delivery head of 3 to 160 m. The selection is simple and convenient, and it can be applied to various industries and working conditions.

Two structures and multiple material options

For NIS pump, the pump shaft and the motor shaft are short coupled, with a simple structure, high transmission efficiency, and small installation space. NISO is back-pull-out design, the pump end is long shaft coupled with the motor end by a semi-elastic coupling, which is convenient for installation and service, low maintenance costs.

NIS/NISF/NISO can choose various materials for the flow passage components such as cast iron, AISI304, AISI316, AISI316L, and 2205 to meet the requirements of different working conditions.

Industry-leading efficiency

The use of Computational Fluid Dynamics CFD (CFturbo, ANSYS Fluent, cfx) ensures an excellent hydraulic design for the entire product series. The cast iron type integrated precoated sand casting and the precision casting of the lost wax mold for the cast steel type of the blades and casing provide balanced water flow at the impeller inlet, reduce axial force, reduce the hydraulic loss inside the casing, and improve efficiency. The adoption of a better sealing ring (PPS + 40%GF) design reduces the volumetric efficiency loss inside the casing and improves efficiency. Compared with most local pumps, motor power can be reduced under the same flow rate and head.

Low noise and low vibration

The pump vibration and noise comply with the national standard Class B level.

Customizable standard flanges

The flanges of the cast iron pump and the stainless steel pump comply with the HG/T20592 PN16 standard, and other standard flanges (such as HG/T 20615 Class150) can be customized.

Adjustable coupling guard

The coupling guard are adjustable design, which improves the installation and maintenance efficiency.

Solid support foundation

The thickened bottom feet and reinforced ribs of the casing help eliminate distortion and deformation, reduce vibration, and avoid shortening the lifespan of the pump rotor components.

Better sealing design

The BIA rubber bellows mechanical seal is standard. The dynamic and static rings and rubber rings are available with different materials to improve the sealing performance with new materials and characteristics.

Corrosion-resistant pump shaft

The stainless steel pump shaft is corrosion-resistant and leak-proof.

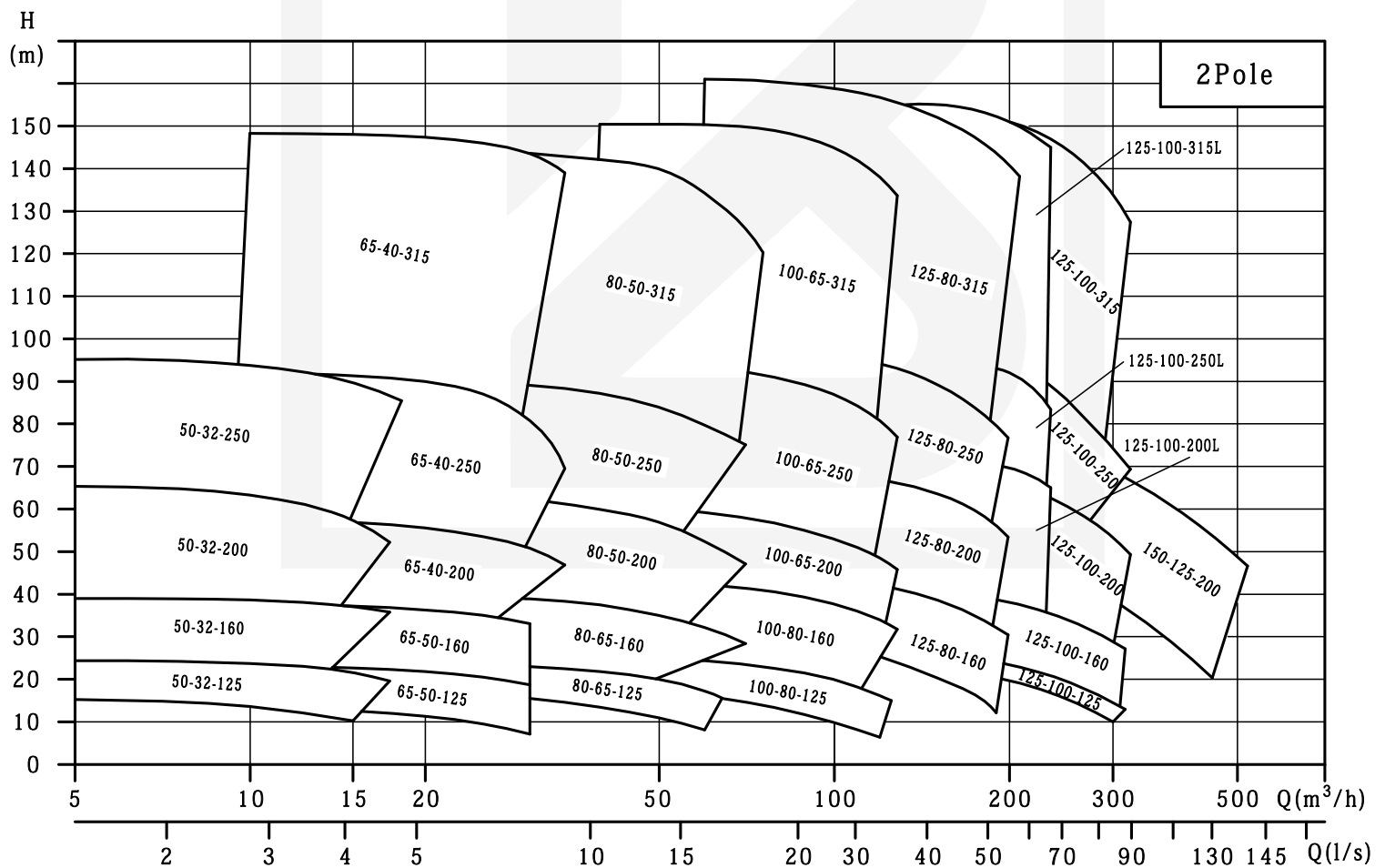
Eliminate seal leakage

O-rings are available with EPDM rubber, which can withstand a wider temperature range and prevent sealing leakage.

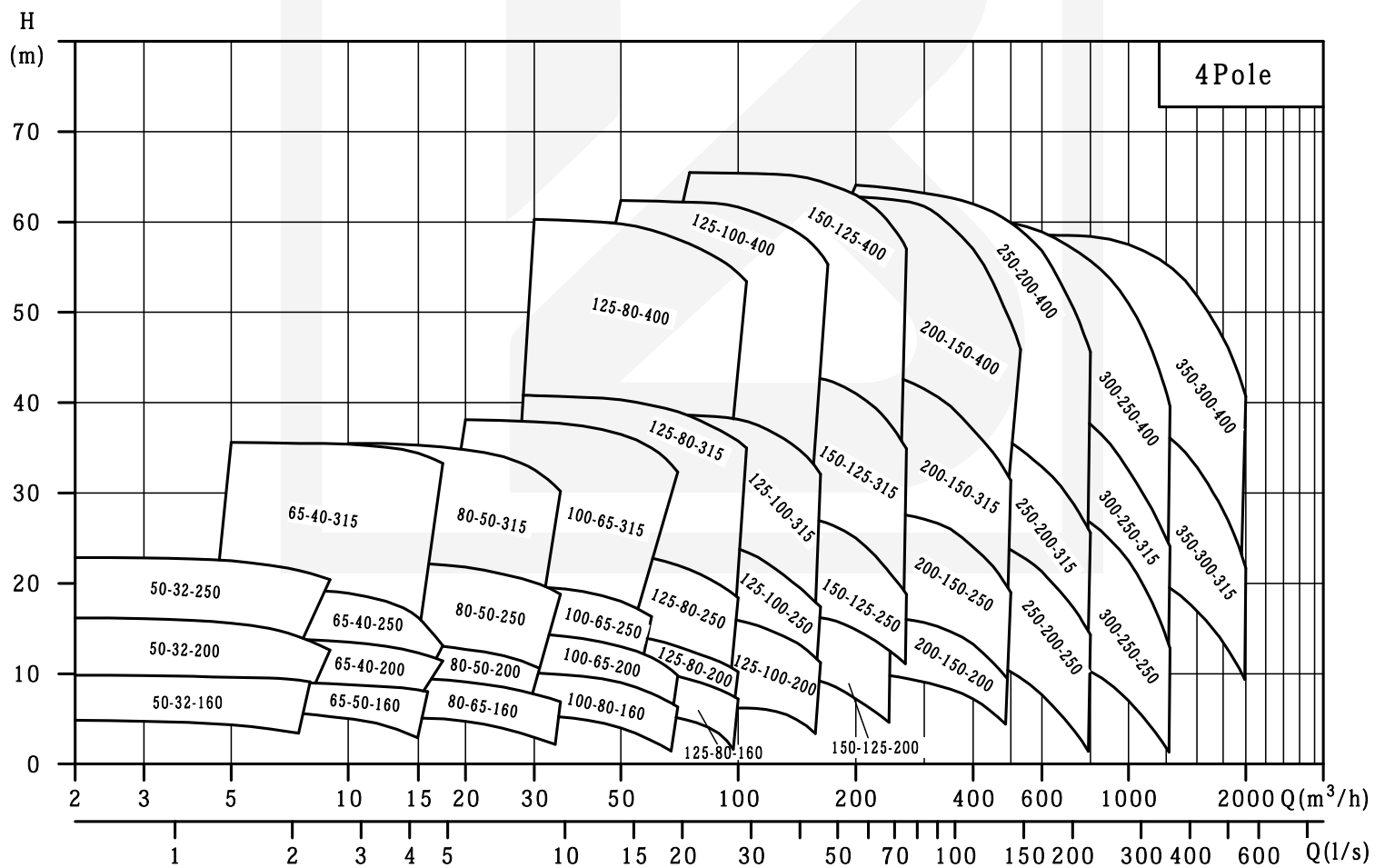
NIS/NISF/ NISO

NIS,NISF,NISO ULTRA HIGH EFFICIENT END SUCTION PUMPS

NIS / NISF / NISO Performance range



NIS / NISF / NISO Performance range



Summary

The NIS/NISF/NISO pumps are a type of single-stage, single-suction, non-self-priming end-suction centrifugal pumps, designed based on the standard of GB/T 5662 (ISO 2858), with axial water inlet and radial water outlet. The core hydraulic components of the pumps, the impeller and the casing, have undergone exquisite simulation and optimization design, featuring superior performance and stable operation. The entire series is equipped with a fully enclosed IEC standard high-efficiency motor, making it more low-carbon and environmentally friendly in use.

Typical applications

The NIS/NISF/NISO end-suction centrifugal pumps are versatile products and can transfer various different liquid ranging from water to industrial liquid. Typical applications are as follow.

- **WATER SUPPLY:** Pressurized water supply, constant pressure water supply, etc.
- **HVAC:** Heating system, ventilation system, air conditioning system, etc.
- **INDUSTRIAL PRESSURIZATION:** Industrial cleaning, flushing system, fire fighting system, etc.
- **INDUSTRIAL LIQUID TRANSPORTATION:** Boiler feed water, condensation system, transportation of weak acids and weak bases, etc.
- Applications in swimming pools, farmland irrigation, animal husbandry, etc.

Technical data

Max. flow rate: 2000m³/h
 Max. delivery head: 160m
 Max. power: 280kW
 Max. working pressure: 16bar
 Liquid temperature: -15°C~ 110°C
 Inlet and outlet diameter: Inlet diameter: DN50 ~ DN350
 Outlet diameter: DN32 ~ DN300

Motor

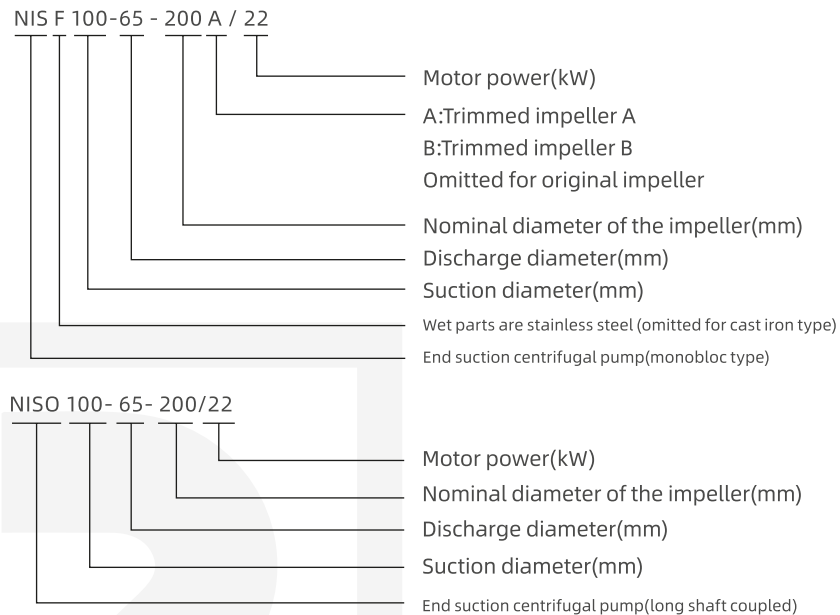
The motor is a fully enclosed, air-cooled two-pole or four-pole motor.
 Protection class: IP55
 Insulation class: F
 Standard voltage: 50Hz: 1×220V
 3×380V

Curve conditions

The guidelines below apply to the curves on the following pages.

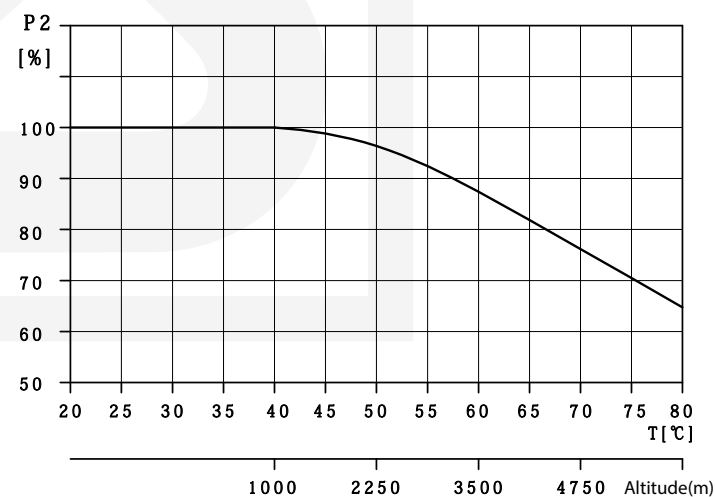
- All curves are based at a constant speed of 2900 rpm or 2950rpm or 1480rpm.
- Tolerances according to ISO9906:2012,3B.
- Measurements have been made with airless water at a temperature of 20 °C without any solid impurities.
- The bold curves state the recommended performance range. Due to the risk of overheating or overload, the pumps should neither be used at a flow below the minimum flow rate, nor be used at a flow over the maximum flow rate.
- If the density and viscosity of the conveyed liquid are different from those of water, the motor power needs to be changed accordingly.

Model definition



Max. ambient temperature, altitude

When the pump operates at an ambient temperature greater than 40°C or at an altitude greater than 1000m, due to the low air density and poor cooling effect, the motor output power P2 will be reduced to a certain extent. When the pump operates under the above circumstances, the motor power should be correspondingly increased.



Minimum inlet pressure NPSHr

If the inner pump pressure is less than liquid vapor pressure, cavitation could happen. To avoid cavitation, make sure that there is a minimum pressure on the inlet side of the pump.

Calculate the maximum suction lift "H" in metres head as follows:

$$H = P_b \times 10.2 - \text{NPSHr} - H_f - H_v - H_s$$

P_b = Barometric pressure in bar.

P_b can be set to 1 bar at sea level. In closed systems, P_b indicates the system pressure in bar. NPSHr = Net Positive Suction Head in metres head. To be read from the NPSHr curve at the highest flow rate that the pump will be delivering.

H_f = Friction loss in inlet pipe in metres head

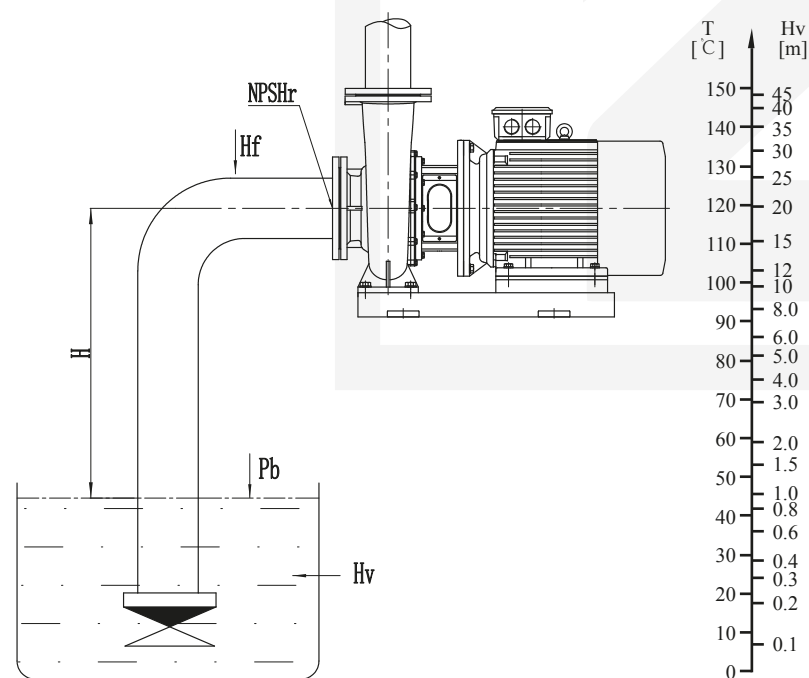
H_v = Vapour pressure in metres head.

H_s = Safe margin = 0.5 m head

If the calculated "H" is positive, the pump can operate at a suction lift of maximum "H" m head. If the calculated "H" is negative, an inlet pressure of minimum "H" m head is required.

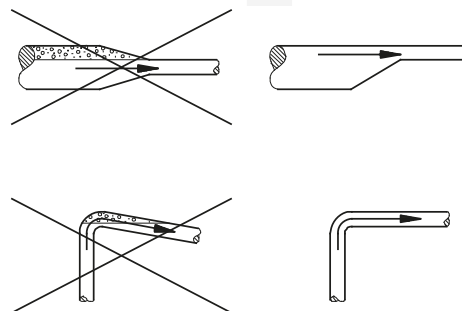
Remark: Generally, the above calculations are not needed. The maximum suction lift "H" is calculated only when the pump is used under the following conditions:

1. The liquid temperature is high.
2. The liquid flow rate is bigger than rated.
3. The suction lift is large or the inlet pipelines are long.
4. The system pressure is too low.
5. The inlet conditions are poor.

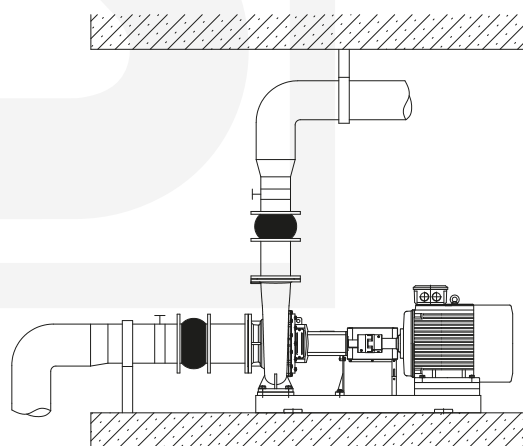


Installation

- The pump should be installed in a well-ventilated and frost-proof place.
- When installing the pipes, make sure that the pump housing is not stressed by the pipes.
- In order to facilitate inspection and maintenance, sufficient space should be reserved around the pump set.
- If the pump is installed outdoors, an appropriate enclosure must be configured to prevent electrical components from water ingress or condensation.
- The inlet and outlet pipes must be of an adequate size, taking the pump inlet pressure into account.
- Install the pipes so that air locks are avoided, especially on the inlet side of the pump.

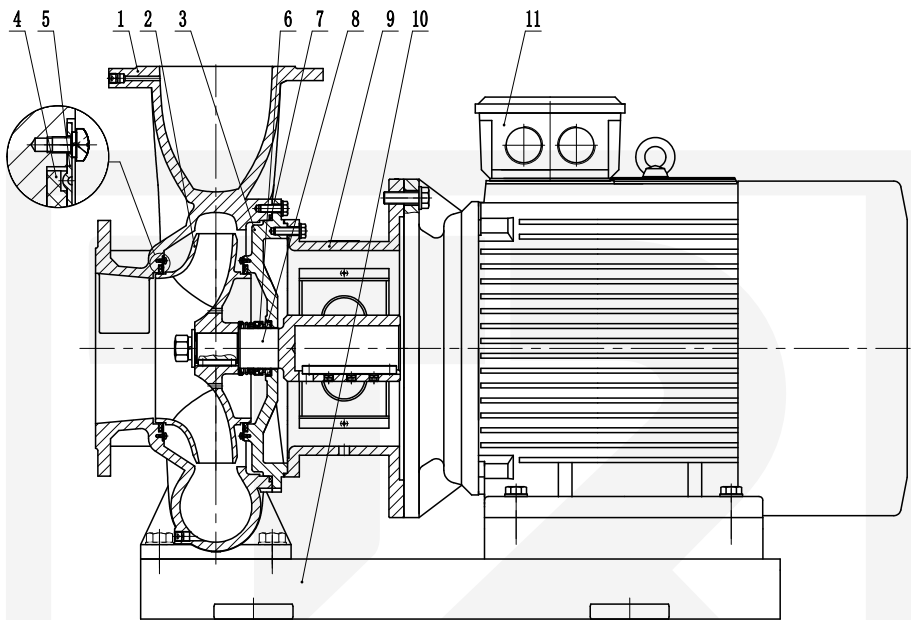


- Fit isolating valves on either side of the pump to avoid having to drain the system if the pump needs to be cleaned or repaired.
- Make sure that the pipes are adequately supported as close to the pump as possible, both on the inlet and the outlet side.
- The counter flanges must lie true against the pump flanges without being stressed as this would cause damage to the pump.



Sectional drawing

NIS/NISF

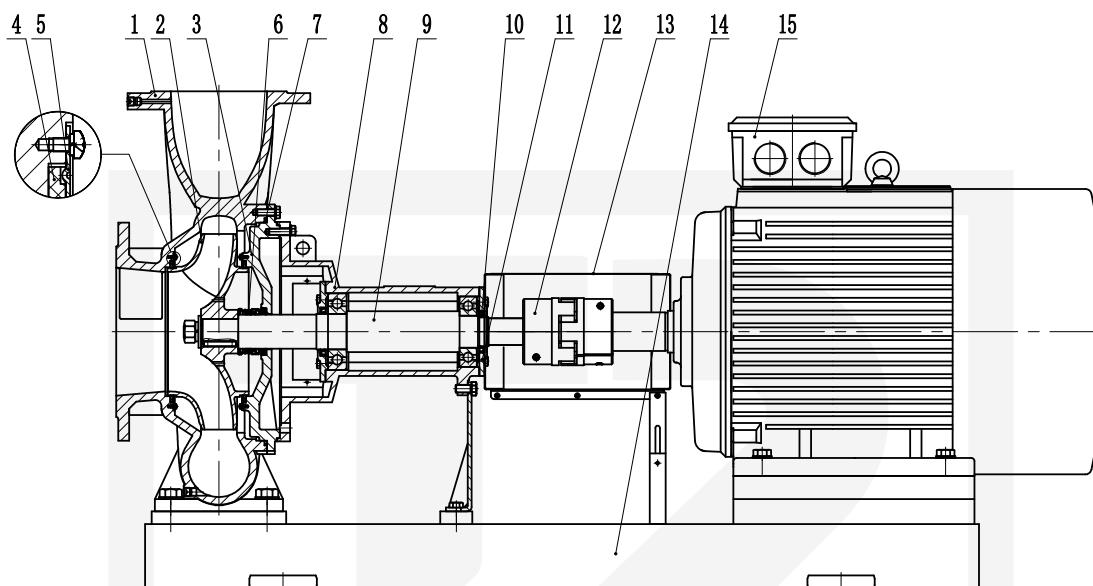


NIS/NISF Material list

SN	Name	Material	Code/ASTM/AISI
1	Casing	QT500-7/ZG07Cr19Ni10	ASTM80-55-06/AISI304
2	Impeller	HT200/ZG07Cr19Ni10	ASTM25B/AISI304
3	Pump cover	HT200/ZG07Cr19Ni10	ASTM25B/AISI304
4	Seal ring	PPS	
5	Seal ring cover	06Cr19Ni10	AISI304
6	Mechanical seal	M106K/SiC	
7	O ring	NBR	
8	Shaft	20Cr13/06Cr19Ni10	AISI420/AISI304
9	Bracket	HT200	ASTM25B
10	Base frame	Q235-A	ASTMA570
11	Motor	Assembly set	

Sectional drawing

NISO



NISO Material list

SN	Name	Material	Code/ASTM/AISI
1	Casing	QT500-7/ZG07Cr19Ni10	ASTM80-55-06/AISI304
2	Impeller	HT200/ZG07Cr19Ni10	ASTM25B/AISI304
3	Pump cover	HT200/ZG07Cr19Ni10	ASTM25B/AISI304
4	Seal ring	PPS	
5	Seal ring cover	06Cr19Ni10	AISI304
6	Mechanical seal	M106K/SiC	
7	O ring	NBR	
8	Bearing housing	HT200	ASTM25B
9	Shaft	20Cr13/06Cr19Ni10	AISI420/AISI304
10	Skeleton oil ring	Assembly set	
11	Bearing cover	HT200	ASTM25B
12	Curved surface jaw coupling	Assembly set	
13	Coupling guard	Assembly set	
14	Base frame	Q235-A	ASTMA570
15	Motor	Assembly set	

NIS / NISF / NISO Product range

2 Pole

SN	MODEL	Q [m³/h]	H [m]	POWER [kW]	n [r/min]
1	50-32-125/0.75	12.5	12	0.75	2900
2	50-32-125/1.1		17.5	1.1	
3	50-32-125/1.5		22.5	1.5	
4	50-32-160A/2.2		28.5	2.2	
5	50-32-160/2.2		34	2.2	
6	50-32-160/3		38	3	
7	50-32-200A/4		45	4	
8	50-32-200/4		51	4	
9	50-32-200/5.5	25	61	5.5	2950
10	50-32-250A/7.5		71	7.5	
11	50-32-250/7.5		81	7.5	
12	50-32-250/11		92	11	
13	65-50-125/1.1	25	9	1.1	2900
14	65-50-125/1.5		13.5	1.5	
15	65-50-125/2.2		20.5	2.2	
16	65-50-160/3		27	3	
17	65-50-160/4		35	4	
18	65-40-200/5.5		44	5.5	
19	65-40-200/7.5		53.5	7.5	
20	65-40-250A/11		65	11	2950
21	65-40-250/11	50	76.5	11	
22	65-40-250/15		87	15	
23	65-40-315/15		98	15	
24	65-40-315A/18.5		111	18.5	
25	65-40-315/18.5		121	18.5	
26	65-40-315/22		134	22	
27	65-40-315/30		146	30	
28	80-65-125/2.2	50	11	2.2	2900
29	80-65-125/3		15	3	
30	80-65-125/4		20	4	
31	80-65-160/5.5		28.5	5.5	
32	80-65-160/7.5		35	7.5	
33	80-50-200A/11		43	11	
34	80-50-200/11		50	11	
35	80-50-200/15		57	15	2950
36	80-50-250A/18.5	100	66	18.5	
37	80-50-250/18.5		74	18.5	
38	80-50-250/22		84	22	
39	80-50-315B/30		95	30	
40	80-50-315A/30		105	30	
41	80-50-315/30		116	30	
42	80-50-315A/37		123	37	
43	80-50-315/37		130	37	2900
44	80-50-315/45	100	140	45	
45	100-80-125/4		9	4	
46	100-80-125/5.5		14.5	5.5	
47	100-80-125/7.5		20	7.5	
48	100-80-160/11		29.5	11	
49	100-80-160/15		38	15	
50	100-65-200/18.5		46	18.5	2950
51	100-65-200/22		53	22	
52	100-65-250A/30		64	30	

2 Pole

SN	MODEL	Q [m³/h]	H [m]	POWER [kW]	n [r/min]
53	100-65-250/30	100	74	30	2950
54	100-65-250/37		87	37	
55	100-65-315/45		100	45	
56	100-65-315A/55		109	55	
57	100-65-315/55		118	55	
58	100-65-315A/75		132	75	
59	100-65-315/75		145	75	
60	125-80-160/11	160	18.5	11	2950
61	125-80-160/15		26	15	
62	125-80-160/18.5		32	18.5	
63	125-80-160/22		37	22	
64	125-80-200A/30		44	30	
65	125-80-200/30		51	30	
66	125-80-200/37		62	37	
67	125-80-250/45	200	72	45	2950
68	125-80-250/55		87	55	
69	125-80-315A/75		101	75	
70	125-80-315/75		115	75	
71	125-80-315A/90		124	90	
72	125-80-315/90		132	90	
73	125-80-315A/110		141	110	
74	125-80-315/110	250	150	110	2950
75	125-100-200L/30		43	30	
76	125-100-200L/37		51	37	
77	125-100-200L/45		61	45	
78	125-100-200L/55		70	55	
79	125-100-250LA/75		81	75	
80	125-100-250L/75		92	75	
81	125-100-315L/90	350	115	90	2950
82	125-100-315L/110		136	110	
83	125-100-315L/132		151	132	
84	125-100-125/15		16	15	
85	125-100-125/18.5		20	18.5	
86	125-100-160/22		24	22	
87	125-100-160A/30		29	30	
88	125-100-160/30	400	34	30	2950
89	125-100-200/37		39	37	
90	125-100-200/45		51	45	
91	125-100-200/55		61	55	
92	125-100-250/75		76	75	
93	125-100-250/90		86	90	
94	125-100-315A/110		102	110	
95	125-100-315/110	400	118	110	2950
96	125-100-315/132		135	132	
97	125-100-315/160		145	160	
98	150-125-200/45		34	45	
99	150-125-200A/55		34	55	
100	150-125-200/55		40	55	
101	150-125-200A/75		48	75	
102	150-125-200/75		54	75	
103	150-125-200/90		60	90	

NIS / NISF / NISO Product range

4 Pole

SN	MODEL	Q [m³/h]	H [m]	POWER [kW]	n [r/min]
1	50-32-160/0.55	6.3	9.5	0.55	1450
2	50-32-200/0.55		12.5	0.55	
3	50-32-200/0.75		15	0.75	
4	50-32-250/1.1		19.5	1.1	
5	50-32-250/1.5	12.5	22	1.5	
6	65-50-160/0.55		8.5	0.55	
7	65-40-200/0.75		10.5	0.75	
8	65-40-200/1.1		13	1.1	
9	65-40-250/1.5		18	1.5	
10	65-40-315A/2.2	25	23.5	2.2	
11	65-40-315/2.2		29	2.2	
12	65-40-315/3		35	3	
13	80-65-160/0.75		6.5	0.75	
14	80-65-160/1.1	50	8.5	1.1	1480
15	80-50-200/1.5		12	1.5	
16	80-50-250/2.2		16	2.2	
17	80-50-250/3		21	3	
18	80-50-315A/4	80	25	4	
19	80-50-315/4		30	4	
20	80-50-315/5.5		34	5.5	
21	100-80-160/1.5		7	1.5	
22	100-80-160/2.2	125	9	2.2	
23	100-65-200/3		13	3	
24	100-65-250/4		18	4	
25	100-65-315/5.5		24	5.5	
26	100-65-315/7.5	200	32	7.5	1450
27	100-65-315/11		36.5	11	
28	125-80-160/2.2		6	2.2	
29	125-80-160/3		9	3	
30	125-80-200/4	250	12	4	
31	125-80-250/5.5		17	5.5	
32	125-80-250/7.5		21	7.5	
33	125-80-315/11		31	11	
34	125-80-315/15	300	38	15	
35	125-80-400/15		43	15	
36	125-80-400/18.5		52	18.5	
37	125-80-400/22		57	22	
38	125-100-200/4	350	7	4	1480
39	125-100-200/5.5		12	5.5	
40	125-100-200/7.5		14.5	7.5	
41	125-100-250/11		21.5	11	
42	125-100-315/15	400	30	15	
43	125-100-315/18.5		36.5	18.5	
44	125-100-400/22		40	22	
45	125-100-400A/30		48	30	
46	125-100-400/30	450	55	30	
47	125-100-400/37		60	37	
48	150-125-200/5.5		7	5.5	
49	150-125-200/7.5		10	7.5	
50	150-125-200/11	500	15	11	1450
51	150-125-250/15		20	15	
52	150-125-250/18.5		25	18.5	

4 Pole

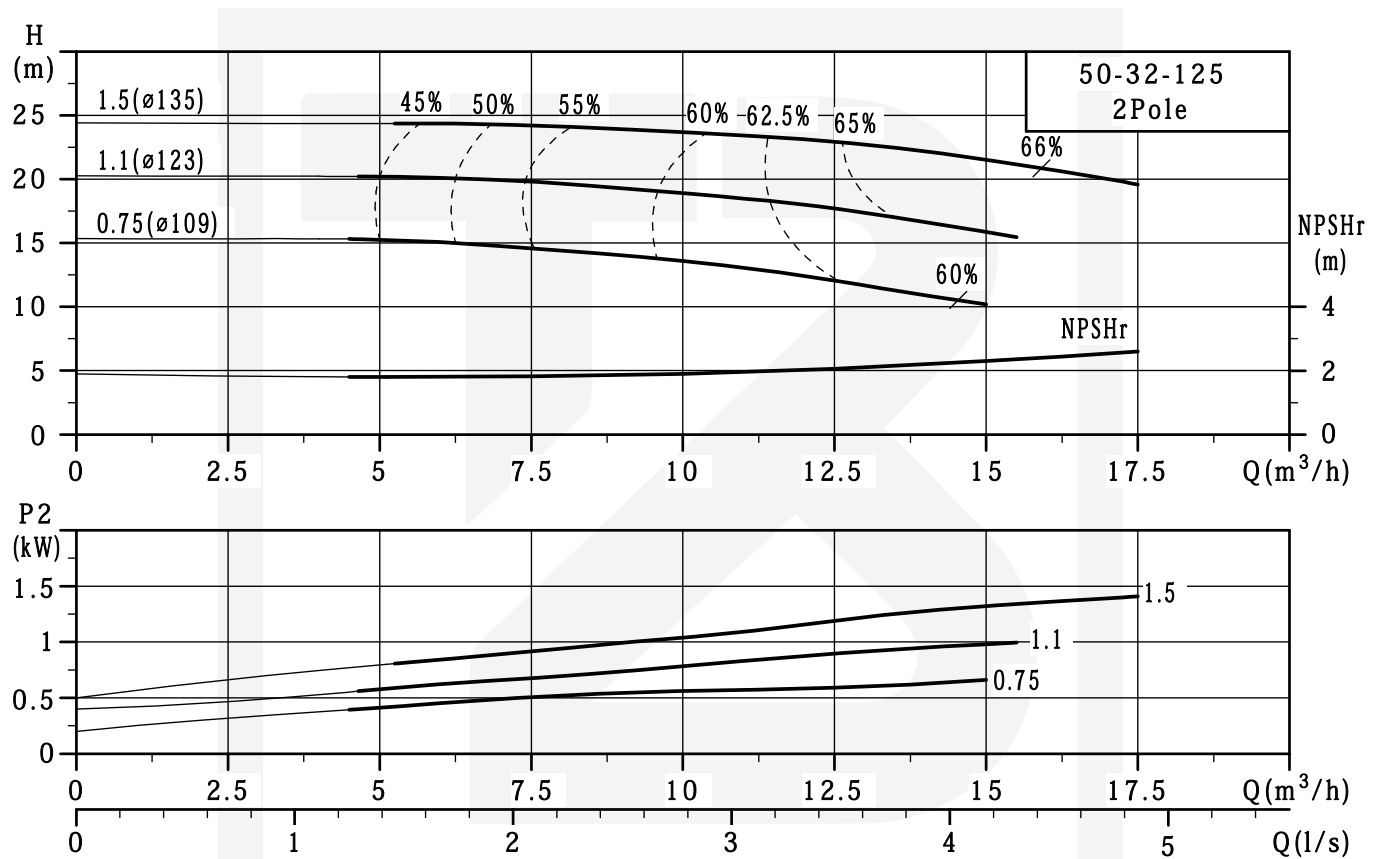
SN	MODEL	Q [m³/h]	H [m]	POWER [kW]	n [r/min]
53	150-125-315/22	200	28	22	1480
54	150-125-315A/30		33	30	
55	150-125-315/30		37	30	
56	150-125-315/37		41	37	
57	150-125-400/37	400	44	37	
58	150-125-400A/45		50	45	
59	150-125-400/45		55	45	
60	150-125-400/55		63	55	
61	200-150-200/11	500	7	11	
62	200-150-200/15		10	15	
63	200-150-200/18.5		13	18.5	
64	200-150-250/22		15.5	22	
65	200-150-250/30	640	20	30	1450
66	200-150-250/37		24	37	
67	200-150-315/45		31	45	
68	200-150-315/55		37	55	
69	200-150-400A/75	1000	44	75	
70	200-150-400/75		50	75	
71	200-150-400/90		57	90	
72	250-200-250/22		12.5	22	
73	250-200-250/30	1400	16.5	30	
74	250-200-250/37		17	37	
75	250-200-250/45		20	45	
76	250-200-315/55		24	55	
77	250-200-315/75	1600	32	75	1480
78	250-200-400/90		37	90	
79	250-200-400/110		45	110	
80	250-200-400/132		54	132	
81	300-250-250/45	1400	11	45	
82	300-250-250/55		15	55	
83	300-250-250A/75		18.5	75	
84	300-250-250/75		22.5	75	
85	300-250-315/90	1600	26	90	
86	300-250-315/110		32.5	110	
87	300-250-400/132		37	132	
88	300-250-400A/160		42	160	
89	300-250-400/160	1400	46	160	1450
90	300-250-400/200		51	200	
91	350-300-315/110		23	110	
92	350-300-315/132		23	132	
93	350-300-315A/160	1600	27	160	
94	350-300-315/160		31	160	
95	350-300-400/200(※)		36	200	
96	350-300-400/250(※)		45	250	
97	350-300-400/280(※)	1400	50	280	

Note: The wet parts of the pumps marked with ※ are currently only available in cast iron.

NIS/NISF/NISO50-32-125

50Hz

Performance curves

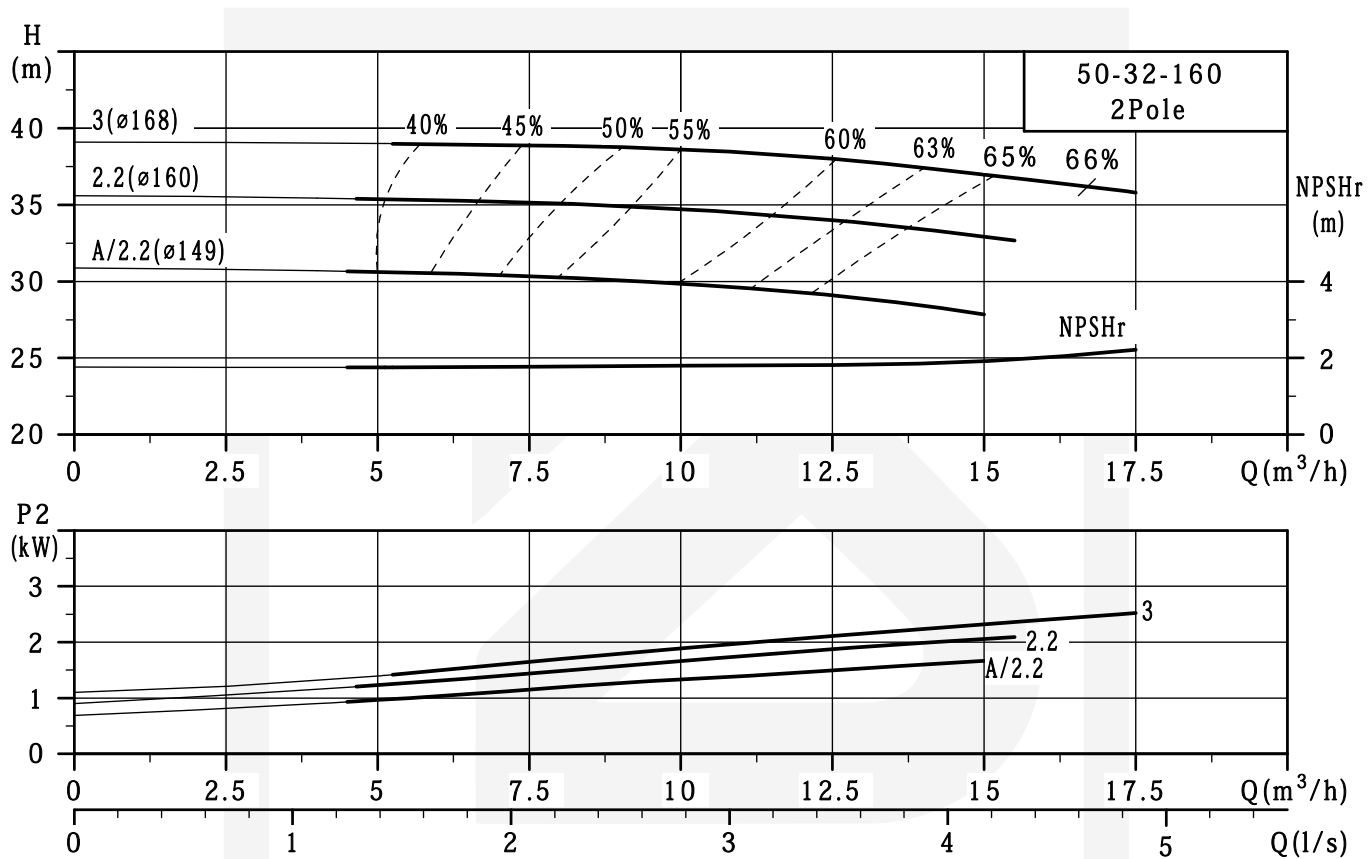


Model	Power (kW)	Q (m³/h)	5	7.5	10	12.5	15	15.5	17.5
50-32-125/0.75	0.75	H (m)	15.3	14.6	13.6	12	10.2		
50-32-125/1.1	1.1		20.2	19.8	18.9	17.5	15.9	15.5	
50-32-125/1.5	1.5		24.4	24.1	23.7	22.5	21.5	21.1	19.6

NIS/NISF/NISO50-32-160

50Hz

Performance curves

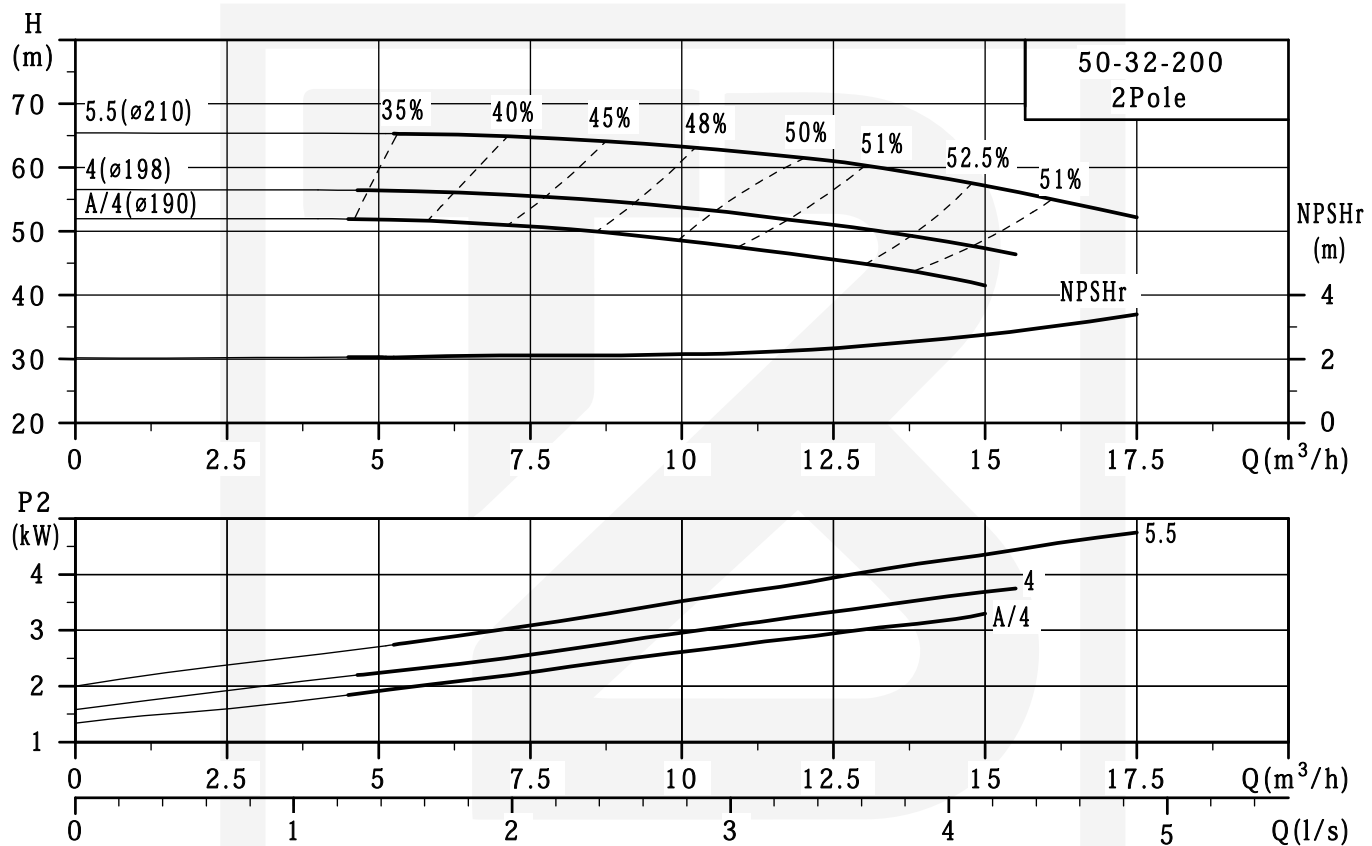


Model	Power (kW)	Q (m³/h)	5	7.5	10	12.5	15	15.5	17.5
50-32-160A/2.2	2.2		30.6	30.3	29.3	28.5	27.9		
50-32-160/2.2	2.2	H (m)	35.4	35.2	34.7	34	32.9	32.7	
50-32-160/3	3		39	38.8	38.6	38	37	36.7	35.8

NIS/NISF/NISO50-32-200

50Hz

Performance curves

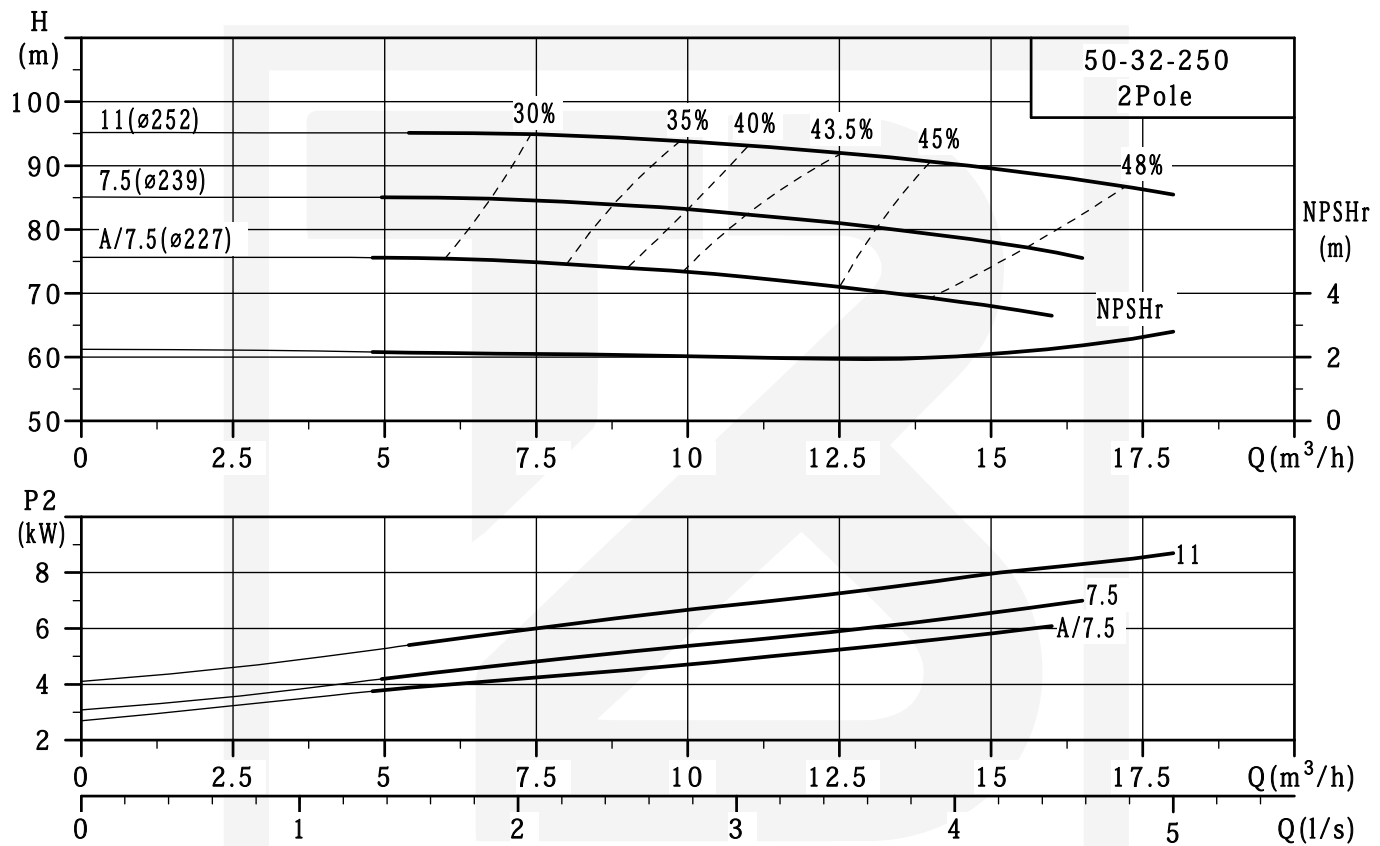


Model	Power (kW)	Q (m³/h)	5	7.5	10	12.5	15	15.5	17.5
50-32-200A/4	4	H (m)	51.9	50.7	48.5	45	41.5		
50-32-200/4	4		56.4	55.5	53.7	51	47.3	46.4	
50-32-200/5.5	5.5		65.3	64.7	63.3	61	57.2	56.2	52.2

NIS/NISF/NISO50-32-250

50Hz

Performance curves

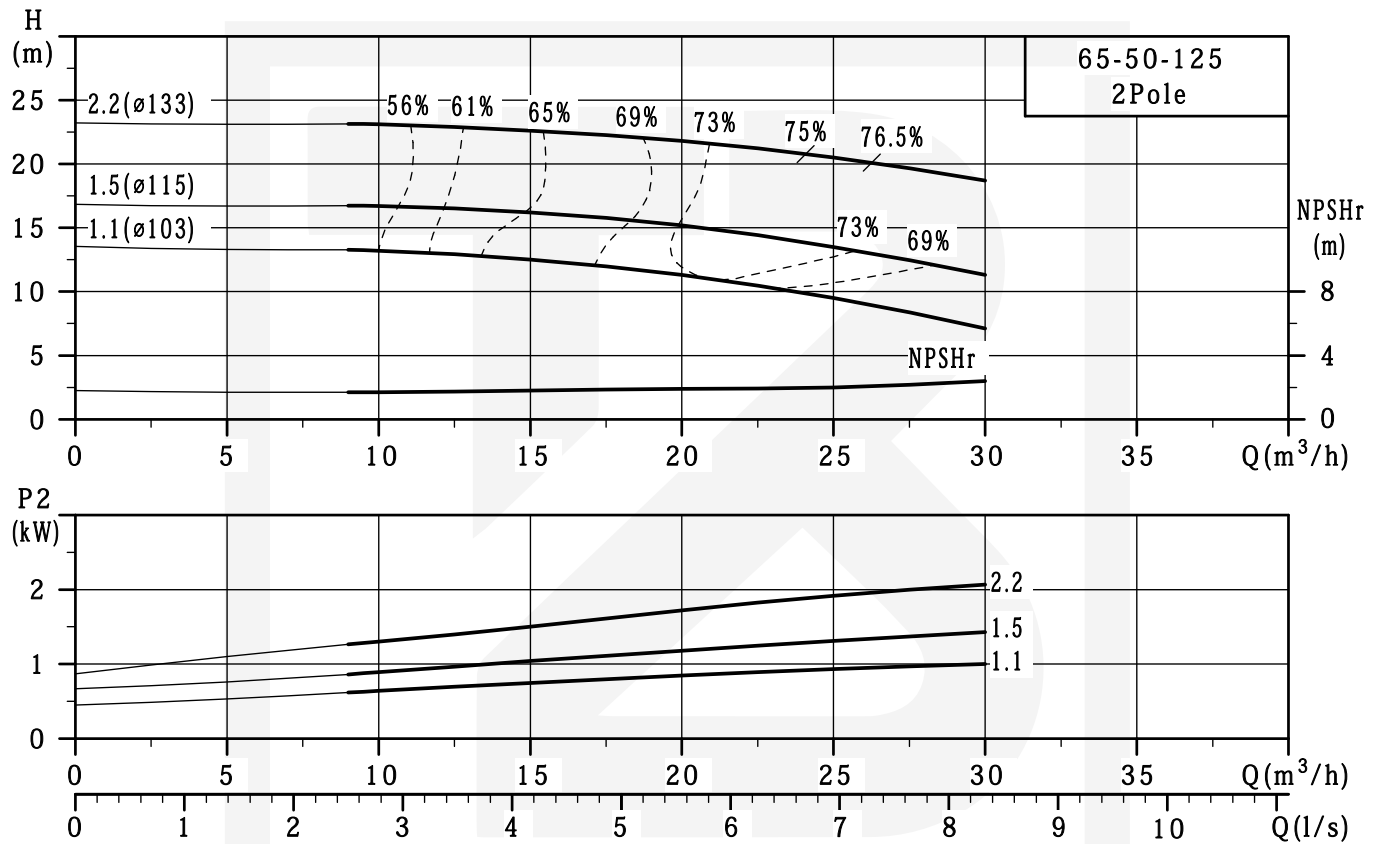


Model	Power (kW)	Q (m³/h)	5	7.5	10	12.5	15	16	16.5	17.5	18
50-32-250A/7.5	7.5	H (m)	75.6	74.8	73.4	71	68	66.5			
50-32-250/7.5	7.5		85	84.5	83.2	81	78	76.5	75.5		
50-32-250/11	11		95	94.9	93.7	92	89.6	88.4	87.7	86.3	85.4

NIS/NISF/NISO65-50-125

50Hz

Performance curves

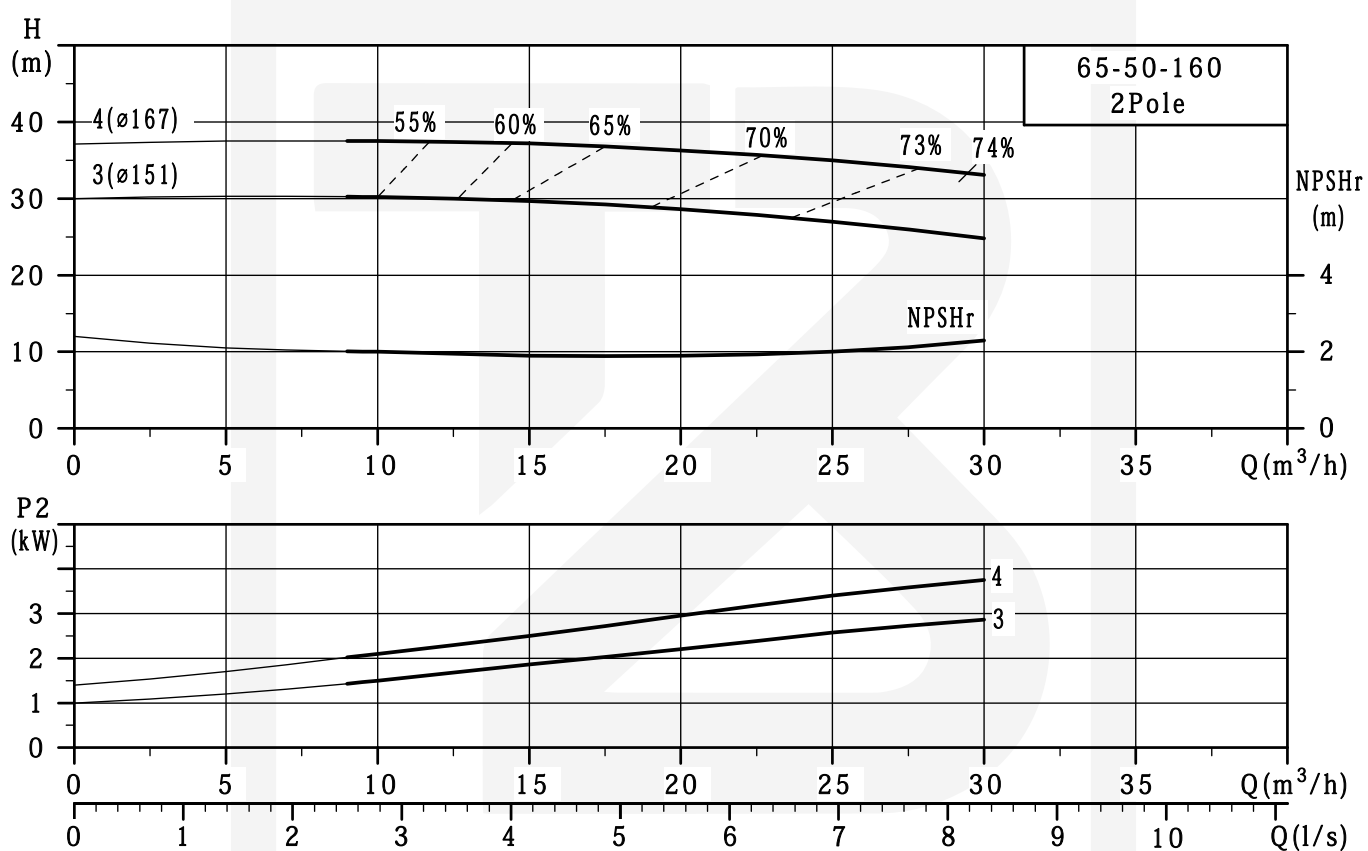


Model	Power (kW)	Q (m³/h)	10	12.5	15	17.5	20	22.5	25	27.5	30
65-50-125/1.1	1.1	H (m)	13.2	12.9	12.5	12	11.3	10.2	9	8.1	7.1
65-50-125/1.5	1.5		16.7	16.5	16.2	15.8	15.2	14.4	13.5	12.5	11.3
65-50-125/2.2	2.2		23.1	22.9	22.6	22.2	21.8	21.2	20.5	19.7	18.7

NIS/NISF/NISO65-50-160

50Hz

Performance curves

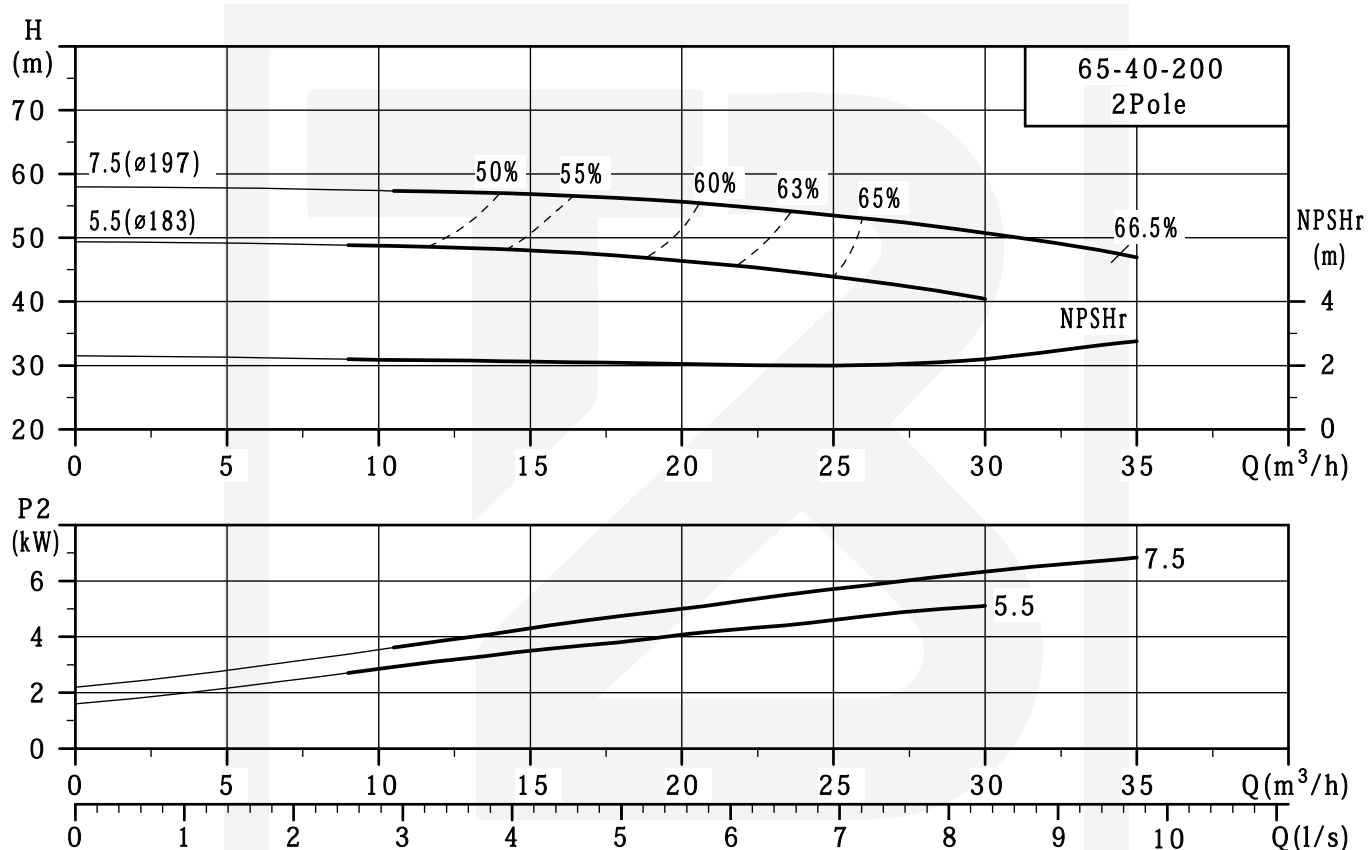


Model	Power (kW)	Q (m³/h)	10	12.5	15	17.5	20	22.5	25	27.5	30
65-50-160/3	3	H (m)	30.2	30	29.7	29.2	28.6	27.9	27	26	24.8
65-50-160/4	4	H (m)	37.5	37.4	37.2	36.8	36.3	35.7	35	34.1	33.1

NIS/NISF/NISO65-40-200

50Hz

Performance curves

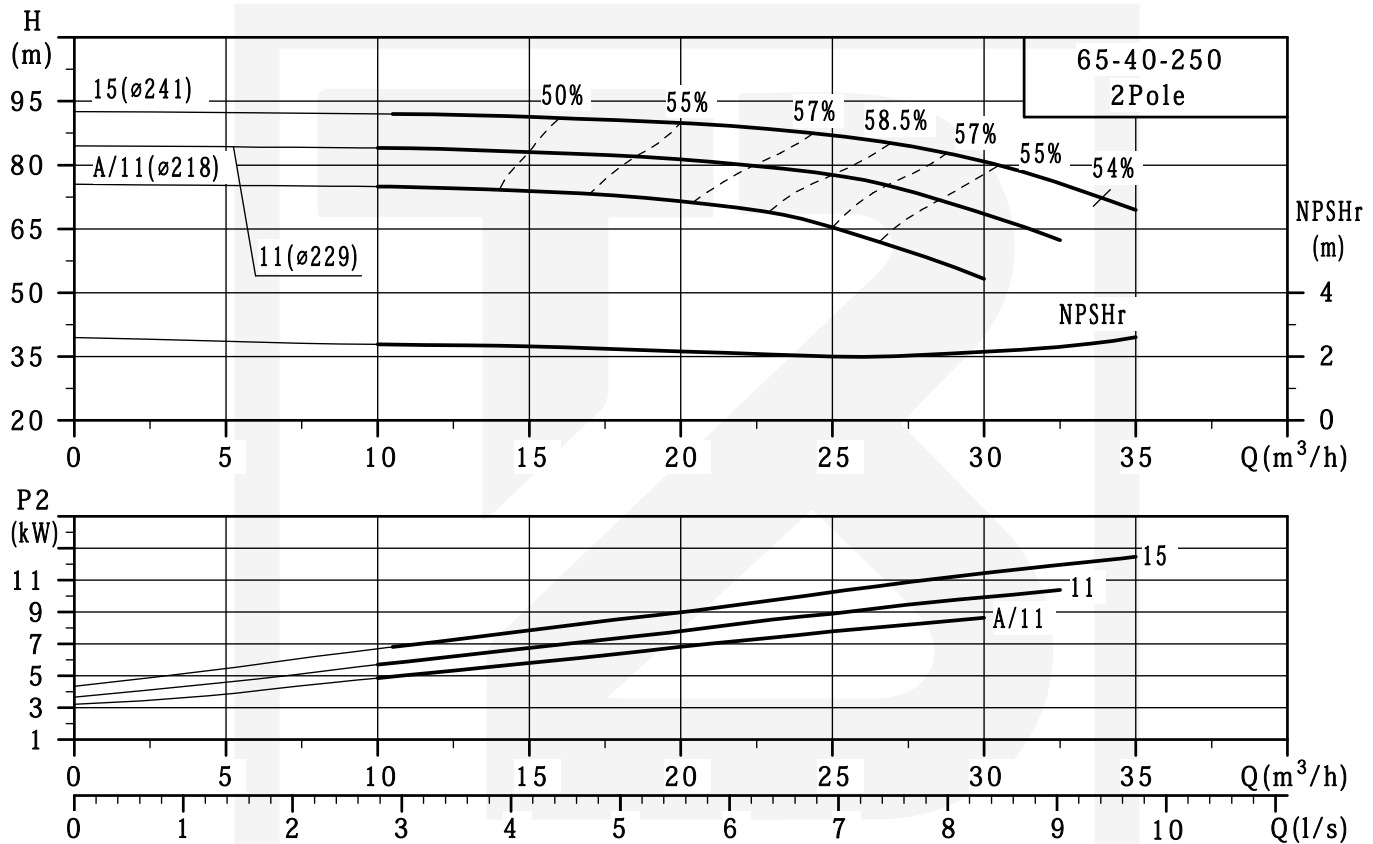


Model	Power (kW)	Q (m³/h)	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35
65-40-200/5.5	5.5	H (m)	48.8	48.5	48	47.3	46.4	45.3	44	42.3	40.4		
65-40-200/7.5	7.5		57.4	57.2	56.8	56.3	55.6	54.6	53.5	52.3	50.8	49	46.9

NIS/NISF/NISO65-40-250

50Hz

Performance curves

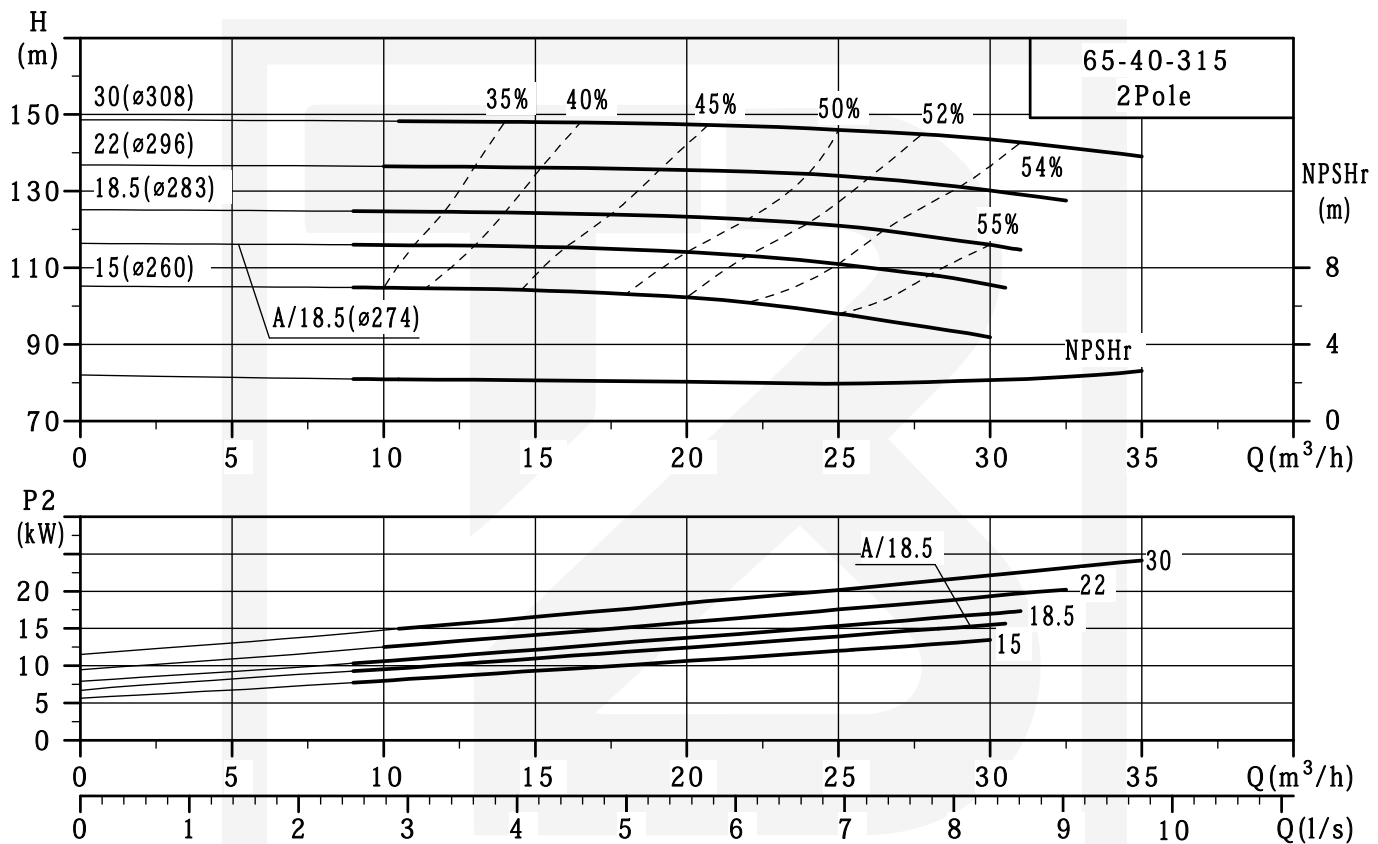


Model	Power (kW)	Q (m³/h)	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35
65-40-250A/11	11		75	74.5	73.9	73	71.5	69.4	65	59.8	53.3		
65-40-250/11	11	H (m)	84	83.7	83.1	82.4	81.4	79.8	76.5	73.5	68.5	62.4	
65-40-250/15	15		92.1	91.8	91.3	90.7	89.9	88.7	87	84.5	80.9	75.7	69.4

NIS/NISF/NISO65-40-315

50Hz

Performance curves

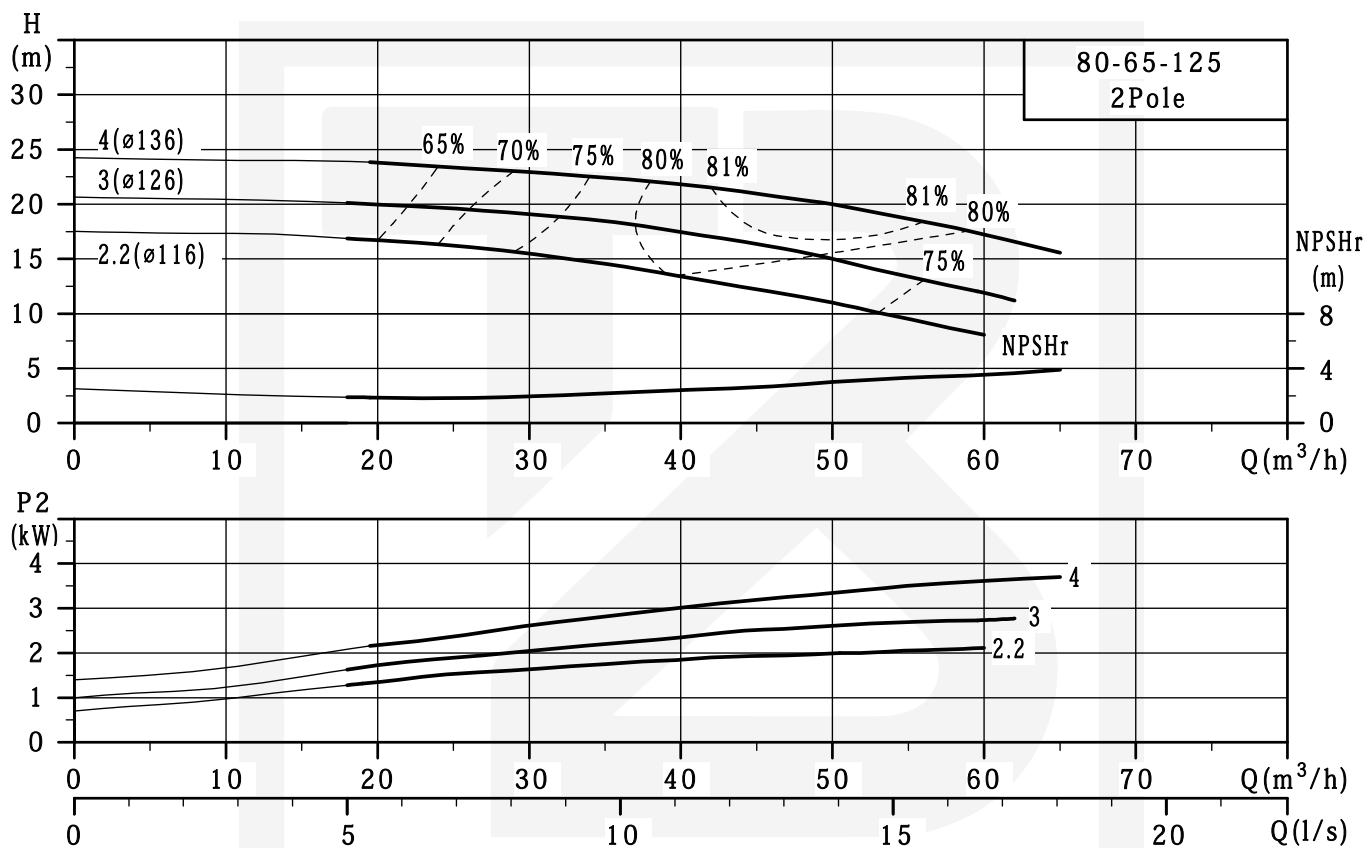


Model	Power (kW)	Q (m³/h)	10	12.5	15	17.5	20	22.5	25	27.5	30	30.5	31	32.5	35
65-40-315/15	15	H (m)	104.8	104.6	104.1	103.3	102.3	100.5	98	95	91.9				
65-40-315A/18.5	18.5		115.9	115.8	115.5	115	114.1	112.8	111	108.6	105.6	104.8			
65-40-315/18.5	18.5		124.7	124.5	124.3	123.9	123.3	122.4	121	118.7	116	115.3	114.7		
65-40-315/22	22		136.5	136.4	136.2	135.9	135.5	135	134	132.4	130.2	129.6	129.1	127.5	
65-40-315/30	30		148.3	148.2	148	147.8	147.4	146.9	146	145	143.5	143.1	142.7	141.4	139

NIS/NISF/NISO80-65-125

50Hz

Performance curves

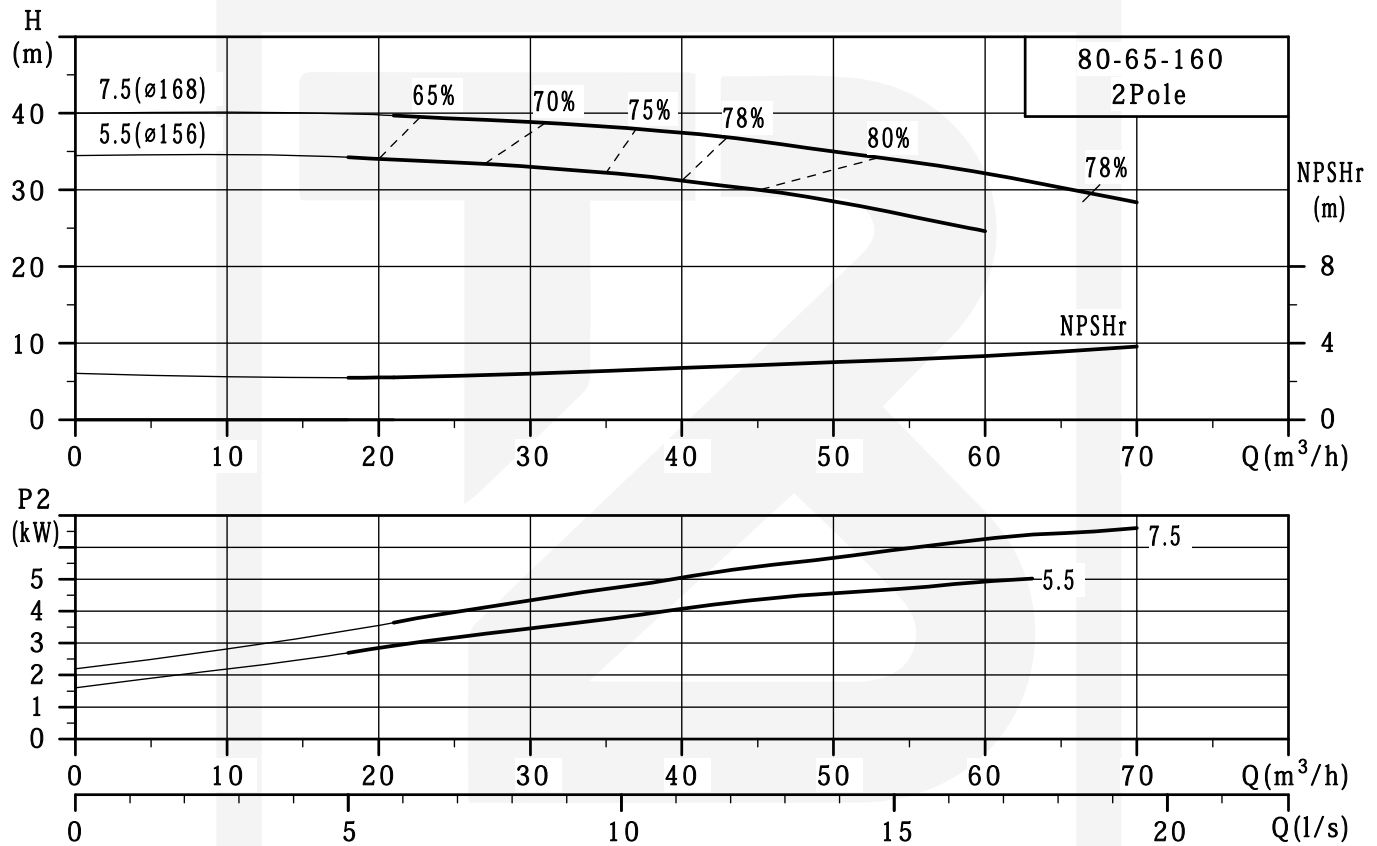


Model	Power (kW)	Q (m³/h)	20	25	30	35	40	45	50	55	60	62	65
80-65-125/2.2	2.2	H (m)	16.7	16.2	15.5	14.6	13.4	12.2	11	9.5	8.1		
80-65-125/3	3		20	19.6	19.1	18.5	17.5	16.4	15	13.4	11.9	11.2	
80-65-125/4	4		23.8	23.4	23	22.4	21.8	21	20	18.7	17.2	16.6	15.6

NIS/NISF/NISO80-65-160

50Hz

Performance curves

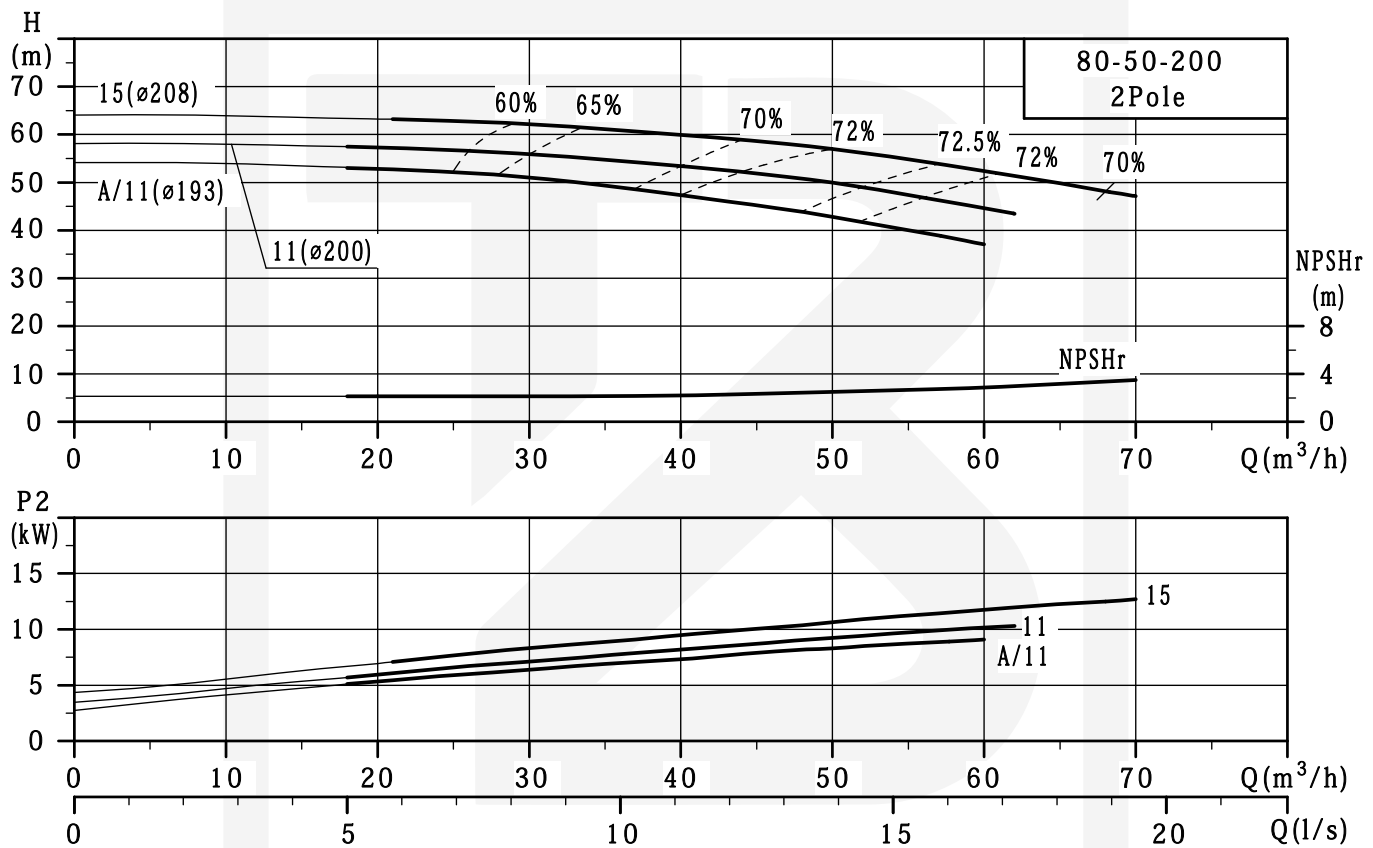


Model	Power (kW)	Q (m³/h)	20	25	30	35	40	45	50	55	60	65	70
80-65-160/5.5	5.5	H (m)	34	33.6	33	32.2	31.2	30	28.5	26.6	24.6		
80-65-160/7.5	7.5		39.8	39.4	38.9	38.3	37.5	36.4	35	33.7	32.2	30.3	28.4

NIS/NISF/NISO80-50-200

50Hz

Performance curves

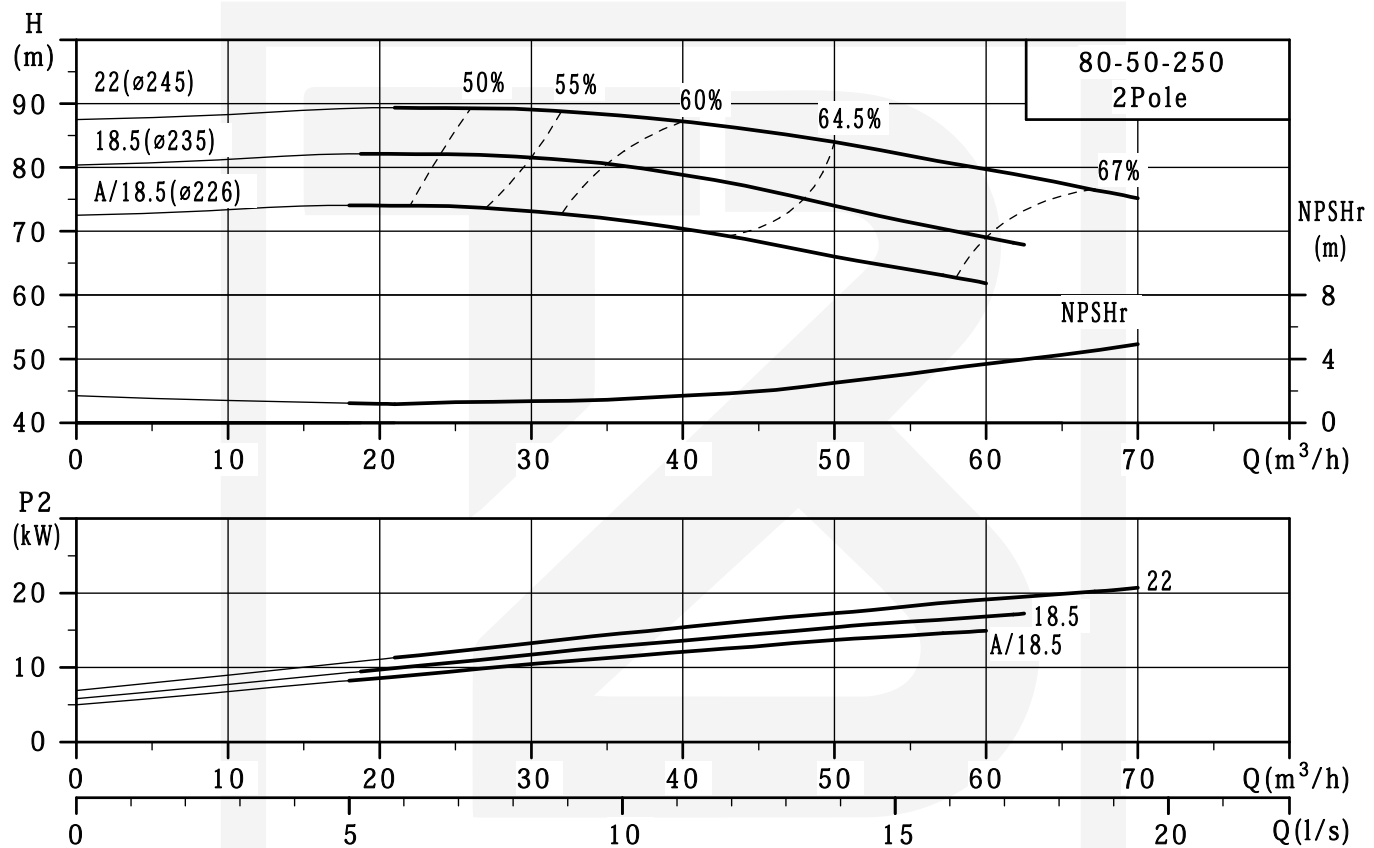


Model	Power (kW)	Q (m³/h)	20	25	30	35	40	45	50	55	60	62	65	70
80-50-200A/11	11	H (m)	52.8	52.2	51	49.3	47.4	45.2	43	40	37.1			
80-50-200/11	11		57.3	56.7	56	54.8	53.4	52	50	47.4	44.6	43.5		
80-50-200/15	15		63.3	63	62.2	61.2	60	58.7	57	54.8	52.4	51.4	49.8	47.1

NIS/NISF/NISO80-50-250

50Hz

Performance curves

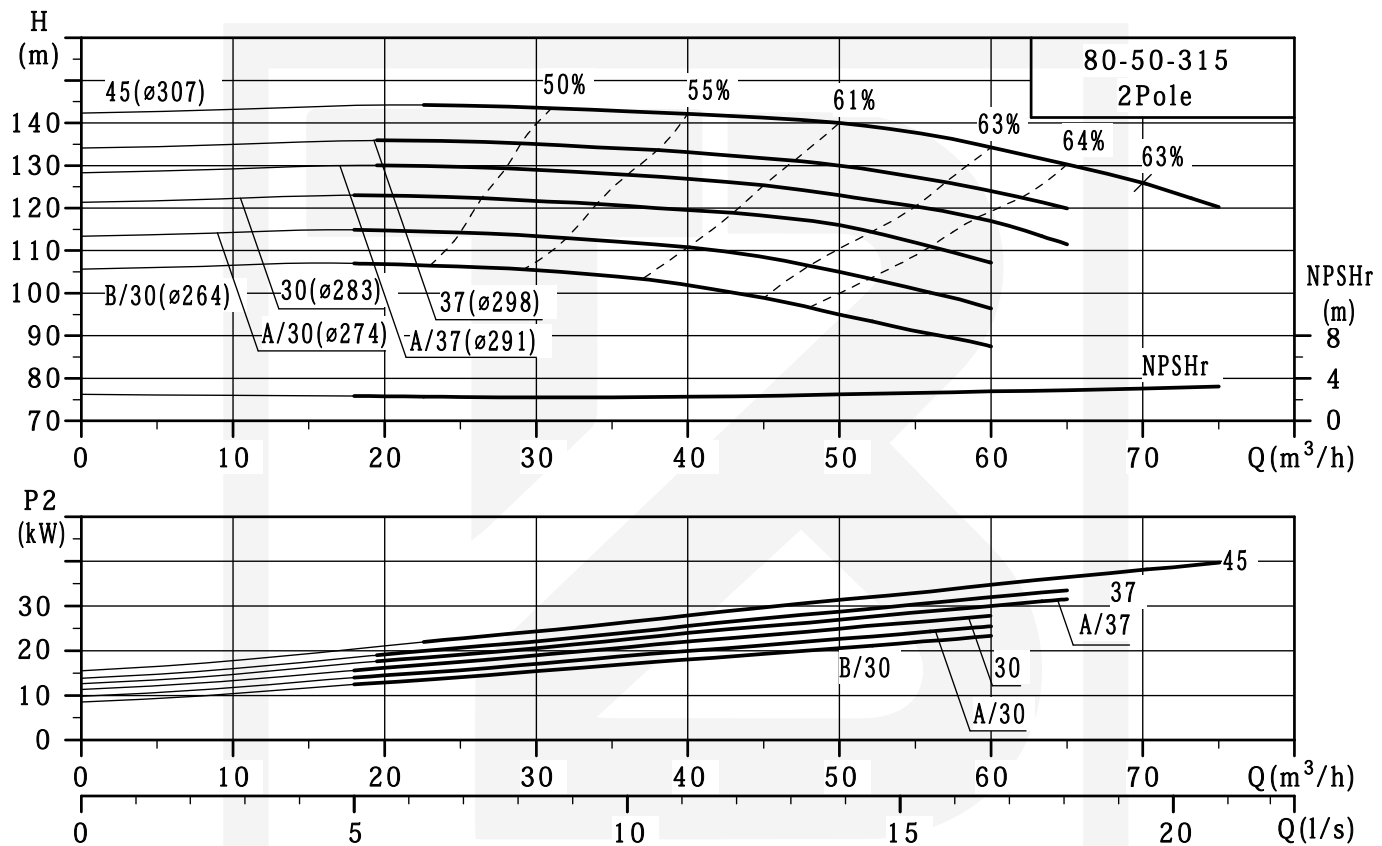


Model	Power (kW)	Q (m³/h)	20	25	30	35	40	45	50	55	60	62.5	65	70
80-50-250A/18.5	18.5	H (m)	74	73.8	73.1	71.8	70	68.4	66	64	61.8			
80-50-250/18.5	18.5		82	81.8	81.5	80.5	78.9	76.7	74	71.4	69	67.9		
80-50-250/22	22		89.3	89.2	89	88.3	87.2	85.7	84	81.8	79.7	78.7	77.5	75.1

NIS/NISF/NISO80-50-315

50Hz

Performance curves

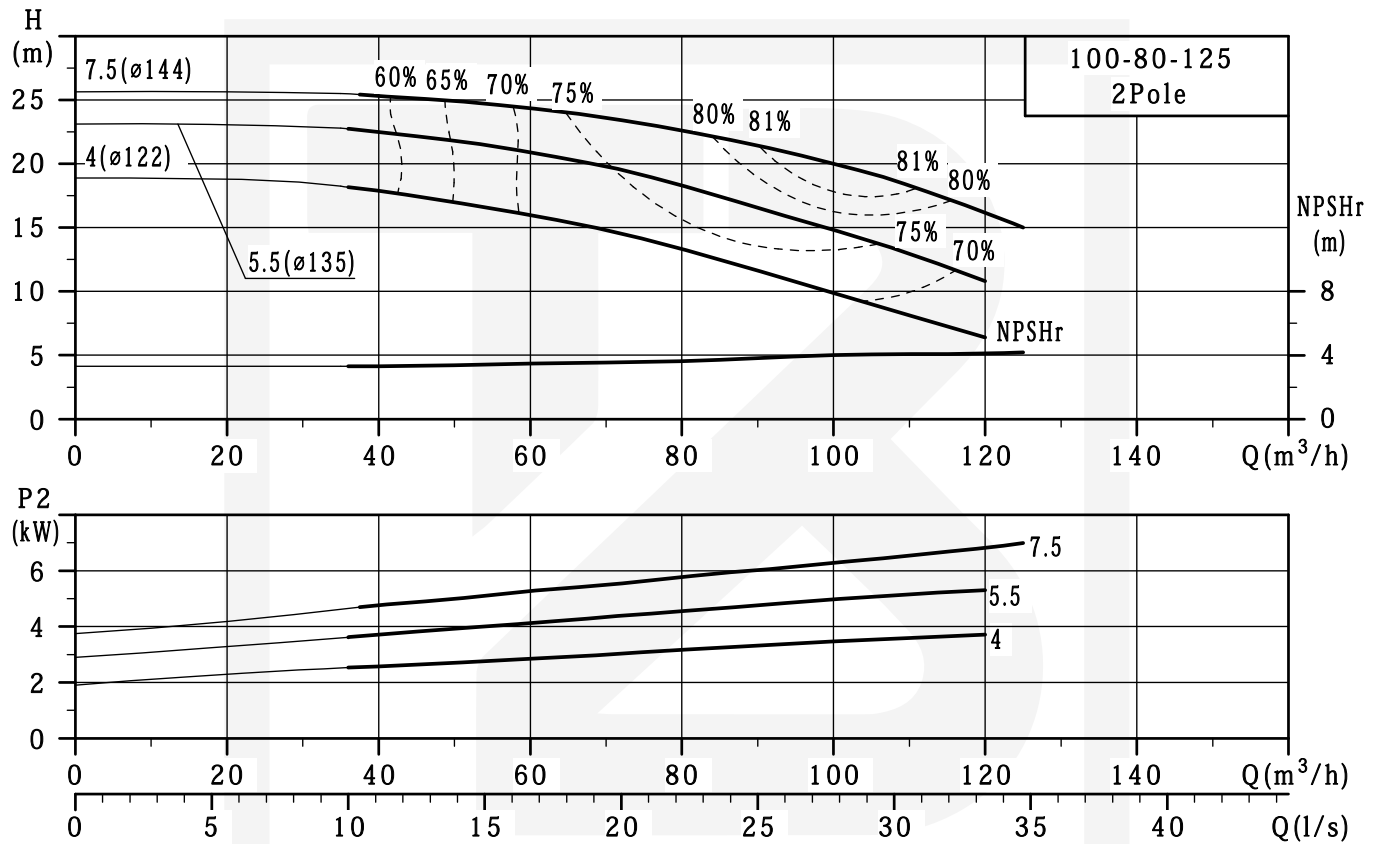


Model	Power (kW)	Q (m³/h)	20	25	30	35	40	45	50	55	60	65	70	75
80-50-315B/30	30	H (m)	106.8	106.3	105.5	104	102	99	95	91.1	87.5			
80-50-315A/30	30		114.8	114.2	113.4	112.2	110.8	108.5	105	101	96.4			
80-50-315/30	30		123	122.5	121.7	120.8	119.5	118.2	116	111.8	107.2			
80-50-315A/37	37		130	129.7	129	128	126.9	125.3	123	120.4	117	111.5		
80-50-315/37	37		135.8	135.6	135	134.2	133	131.7	130	127.3	124	119.9		
80-50-315/45	45		144	143.9	143.6	143	142.1	141.2	140	137.7	134.2	130.3	126	120.2

NIS/NISF/NISO100-80-125

50Hz

Performance curves

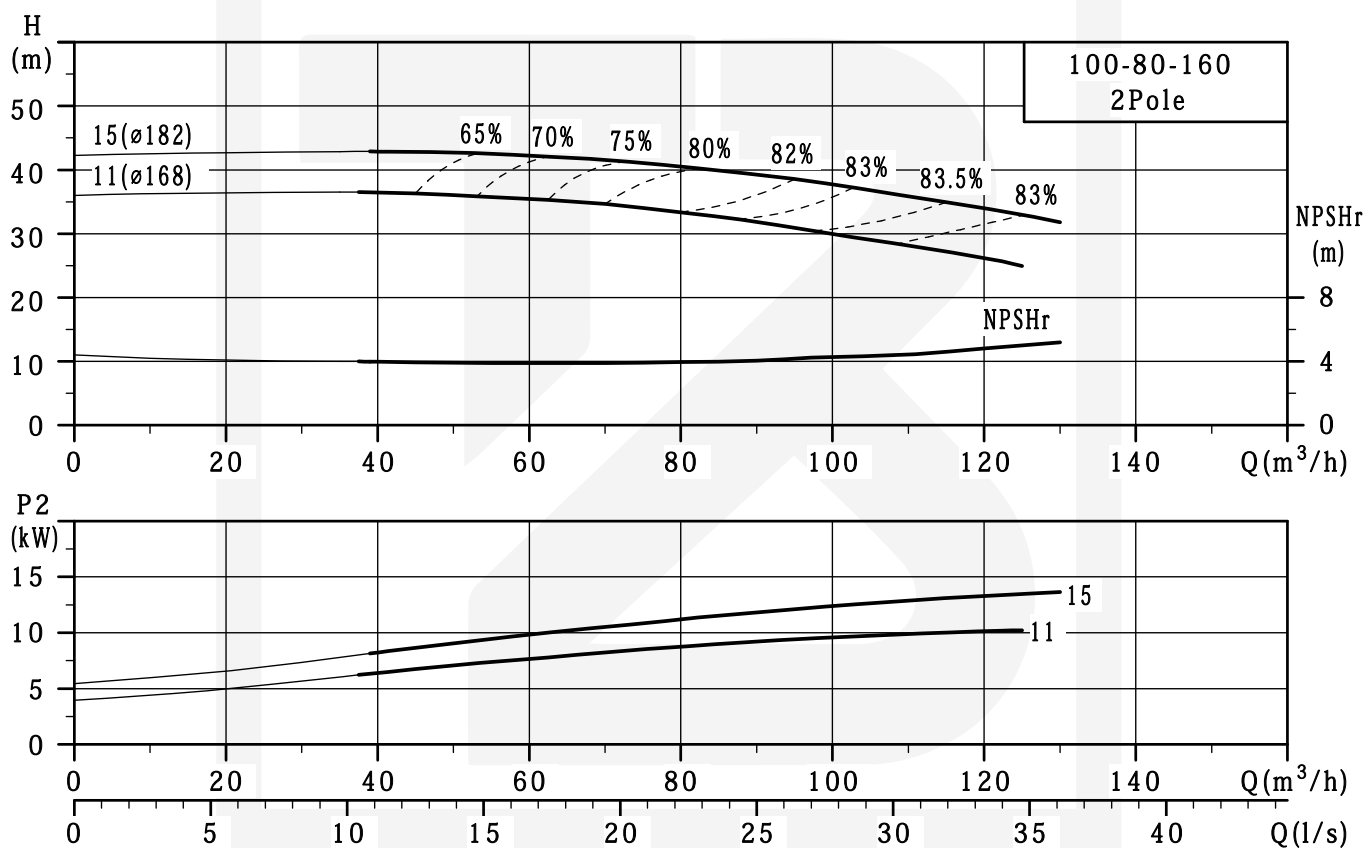


Model	Power (kW)	Q (m³/h)	40	50	60	70	80	90	100	110	120	125
100-80-125/4	4		17.9	17	16	14.8	13.3	11.6	9	8.1	6.4	
100-80-125/5.5	5.5	H (m)	22.5	21.8	20.9	19.8	18.3	16.5	14.5	13	10.8	
100-80-125/7.5	7.5		25.3	25	24.4	23.6	22.6	21.4	20	18.3	16.2	15

NIS/NISF/NISO100-80-160

50Hz

Performance curves

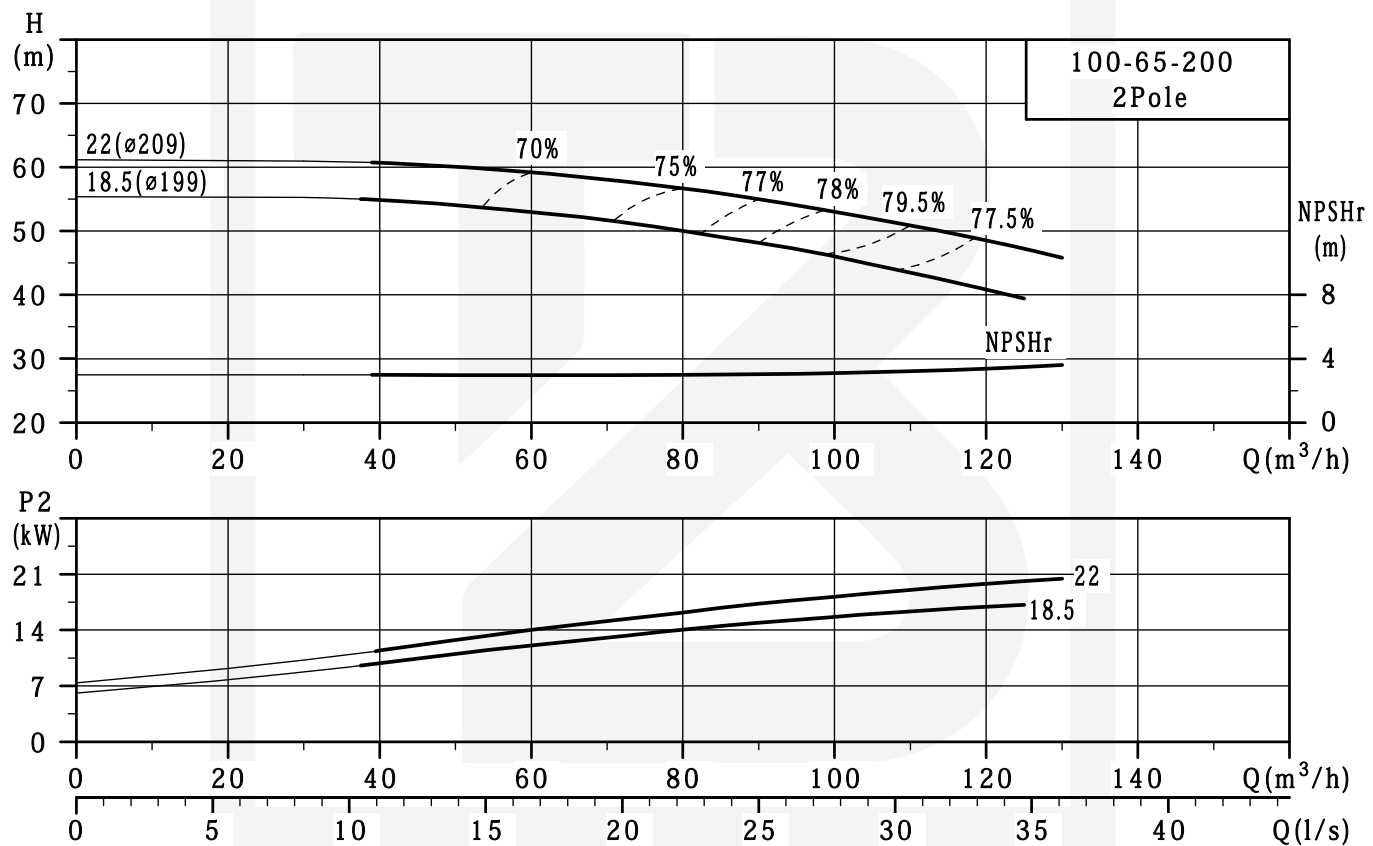


Model	Power (kW)	Q (m³/h)	40	50	60	70	80	90	100	110	120	125	130
100-80-160/11	11	H (m)	36.5	36	35.4	34.6	33.3	31.8	29.5	28.1	26.2	24.9	
100-80-160/15	15	H (m)	42.9	42.7	42.2	41.5	40.5	39.3	38	36.2	34	33	31.8

NIS/NISF/NISO100-65-200

50Hz

Performance curves

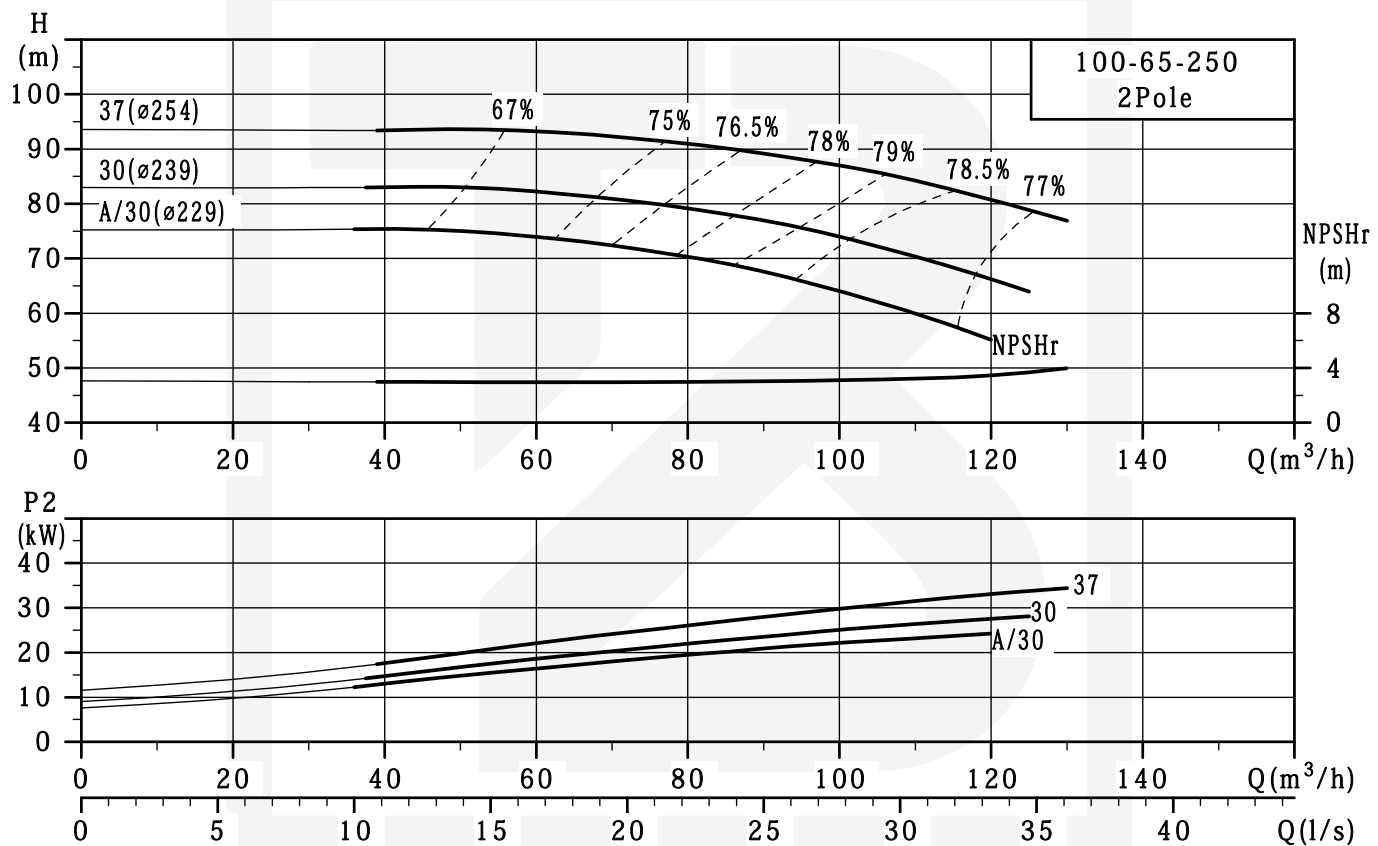


Model	Power (kW)	Q (m³/h)	40	50	60	70	80	90	100	110	120	125	130
100-65-200/18.5	18.5	H (m)	54.9	54	53	51.7	50	48.2	46	43.5	40.8	39.4	
100-65-200/22	22		60.7	60	59.2	58	56.7	55	53	50.8	48.5	47.2	45.8

NIS/NISF/NISO100-65-250

50Hz

Performance curves

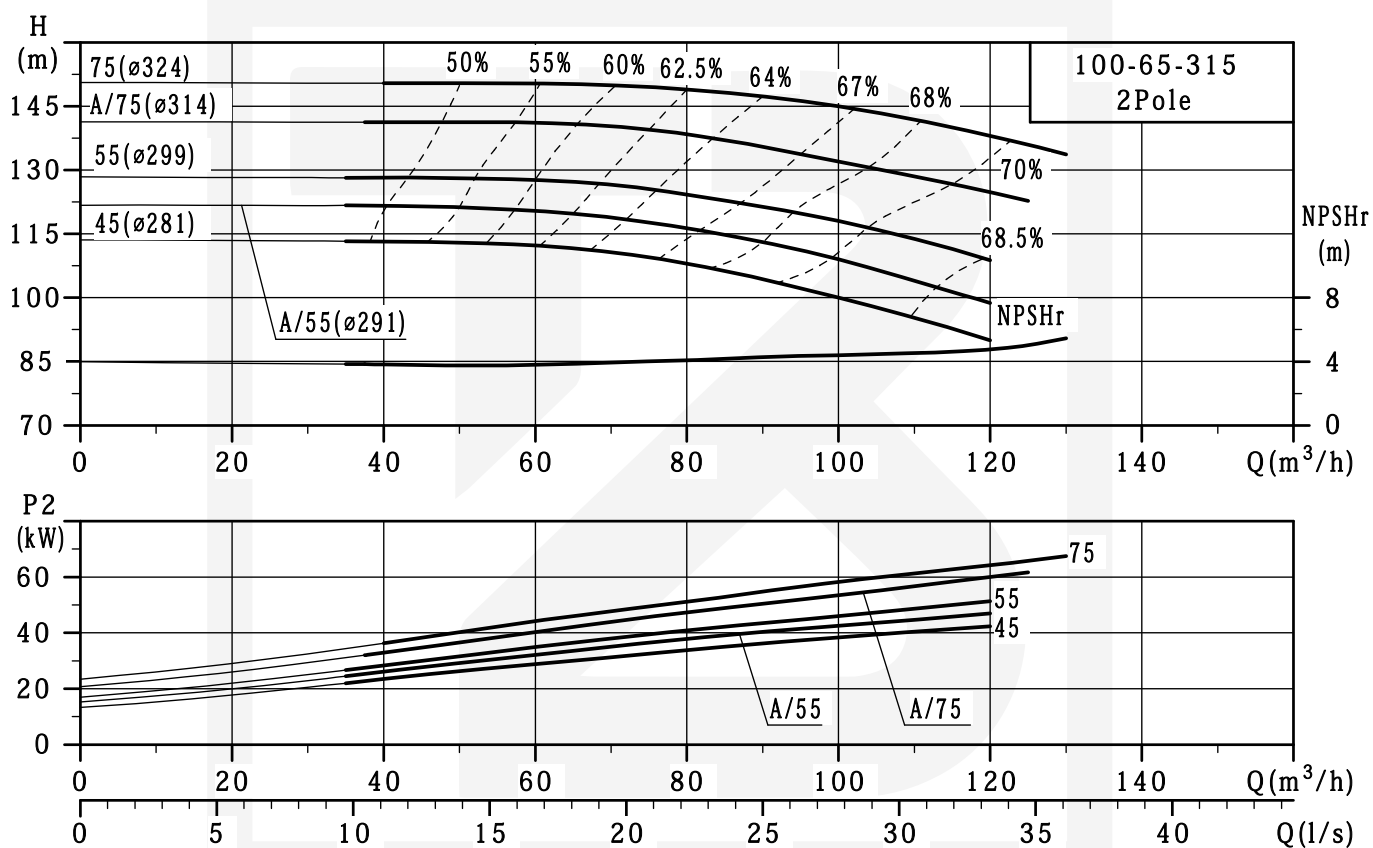


Model	Power (kW)	Q (m³/h)	40	50	60	70	80	90	100	110	120	125	130
100-65-250A/30	30		75.4	75	74	72.4	70.3	67.6	64	60	55.2		
100-65-250/30	30	H (m)	83	82.7	82.3	81	79.2	77	74	70.4	66.2	63.9	
100-65-250/37	37		93.4	93.3	93.2	92.3	91	89.2	87	84.3	80.8	78.9	76.9

NIS/NISF/NISO100-65-315

50Hz

Performance curves

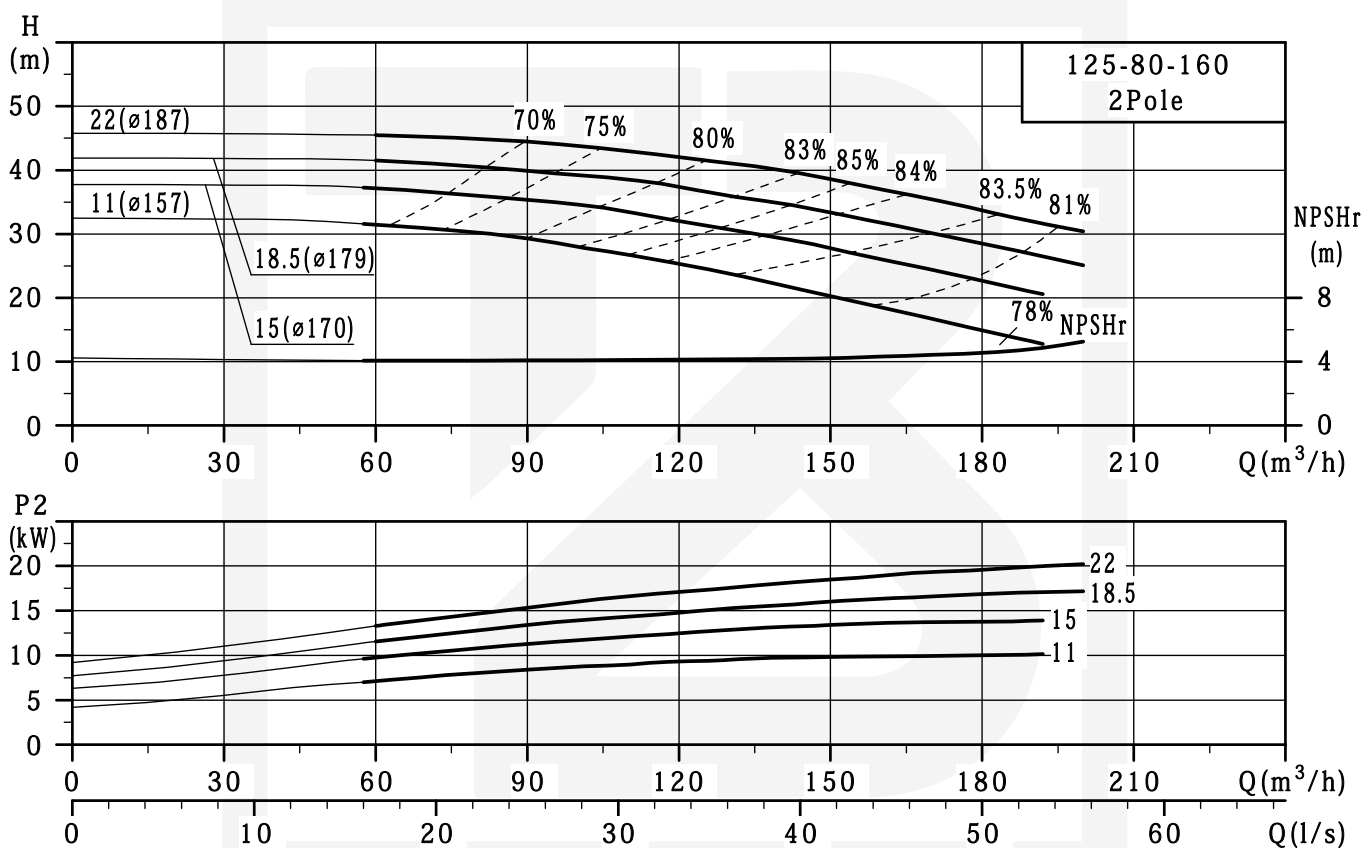


Model	Power (kW)	Q (m³/h)	40	50	60	70	80	90	100	110	120	125	130
100-65-315/45	45	H (m)	113.2	113	112.3	110.7	108	104.3	100	95.3	90		
100-65-315A/55	55		121.6	121.2	120.4	118.8	116.3	113	109	104	98.8		
100-65-315/55	55		128.2	128	127.7	126.5	124.3	121.4	118	113.8	108.8		
100-65-315A/75	75		141.2	141.1	141	140.3	138.4	135.5	132	128.5	124.7	122.7	
100-65-315/75	75		150.4	150.3	150.2	150	149	147.3	145	141.8	138	136	133.7

NIS/NISF/NISO125-80-160

50Hz

Performance curves

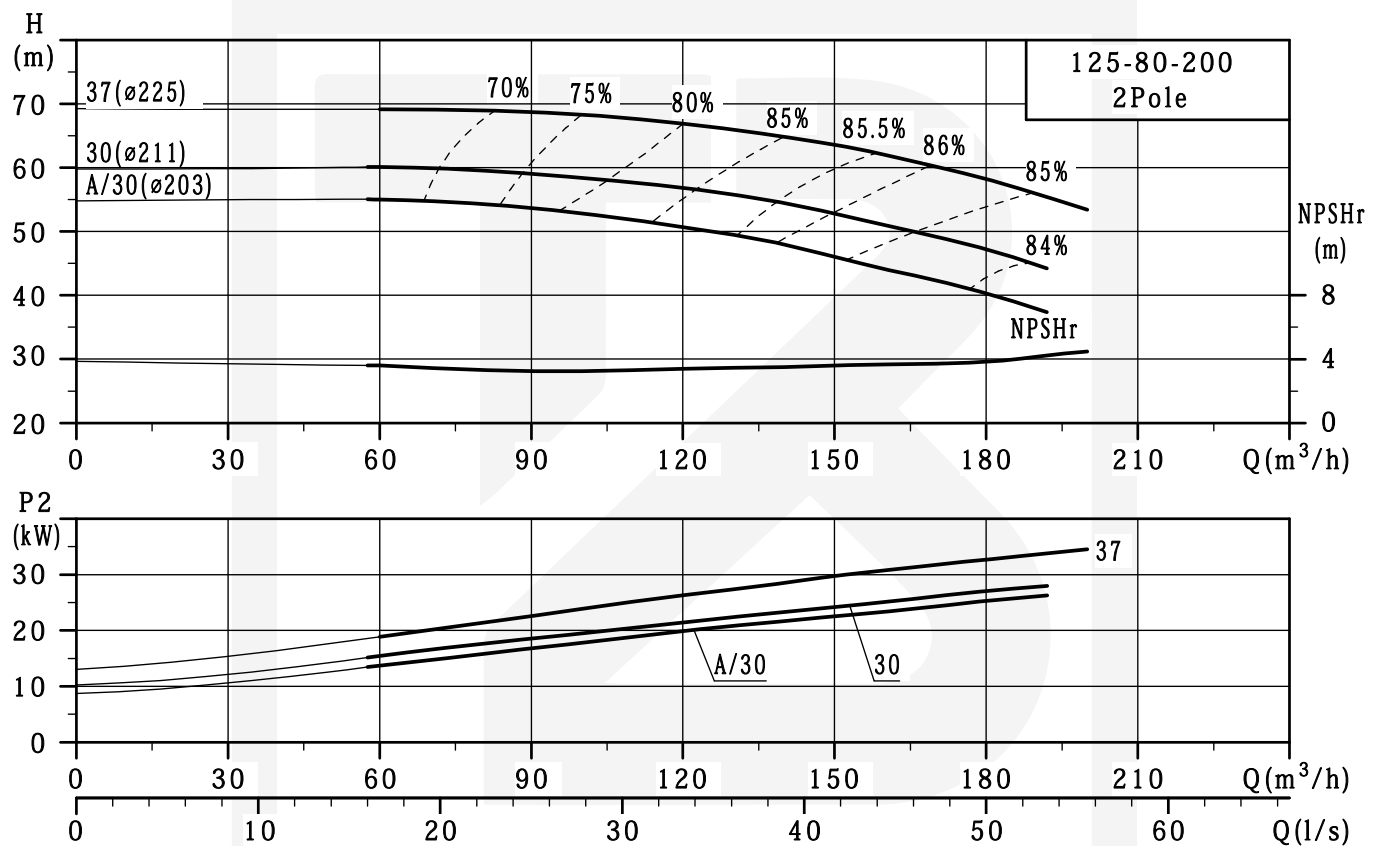


Model	Power (kW)	Q (m³/h)	60	75	90	105	120	135	150	160	180	192	200
125-80-160/11	11	H (m)	31.5	30.6	29.3	27.4	25.3	23	20.2	18.5	14.9	12.8	
125-80-160/15	15		37.2	36.3	35.4	34.1	32	30	27.8	26	22.7	20.6	
125-80-160/18.5	18.5		41.5	40.8	40	38.8	37.4	35.4	33.4	32	28.5	26.5	25.1
125-80-160/22	22		45.5	45.1	44.5	43.4	42	40.6	38.6	37	33.7	31.5	30.4

NIS/NISF/NISO125-80-200

50Hz

Performance curves

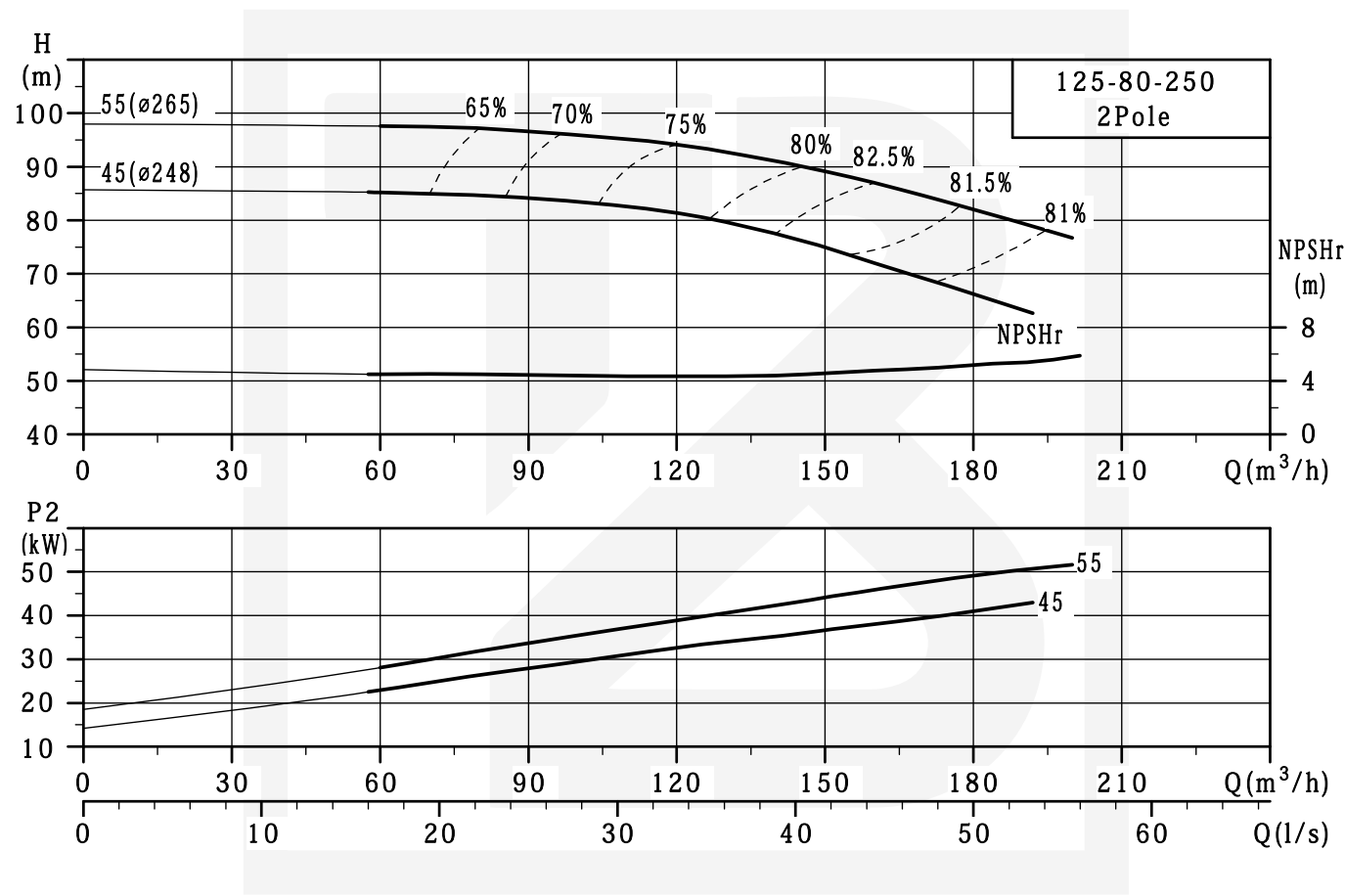


Model	Power (kW)	Q (m³/h)	60	75	90	105	120	135	150	160	180	192	200
125-80-200A/30	30	H (m)	54.9	54.6	53.7	52.4	50.7	48.8	46	44	40.3	37.3	
125-80-200/30	30		60.1	59.8	59	58	56.8	55.2	52.8	51	47.2	44.2	
125-80-200/37	37		69.1	69	68.7	68	66.9	65.4	63.6	62	58.2	55.4	53.4

NIS/NISF/NISO125-80-250

50Hz

Performance curves

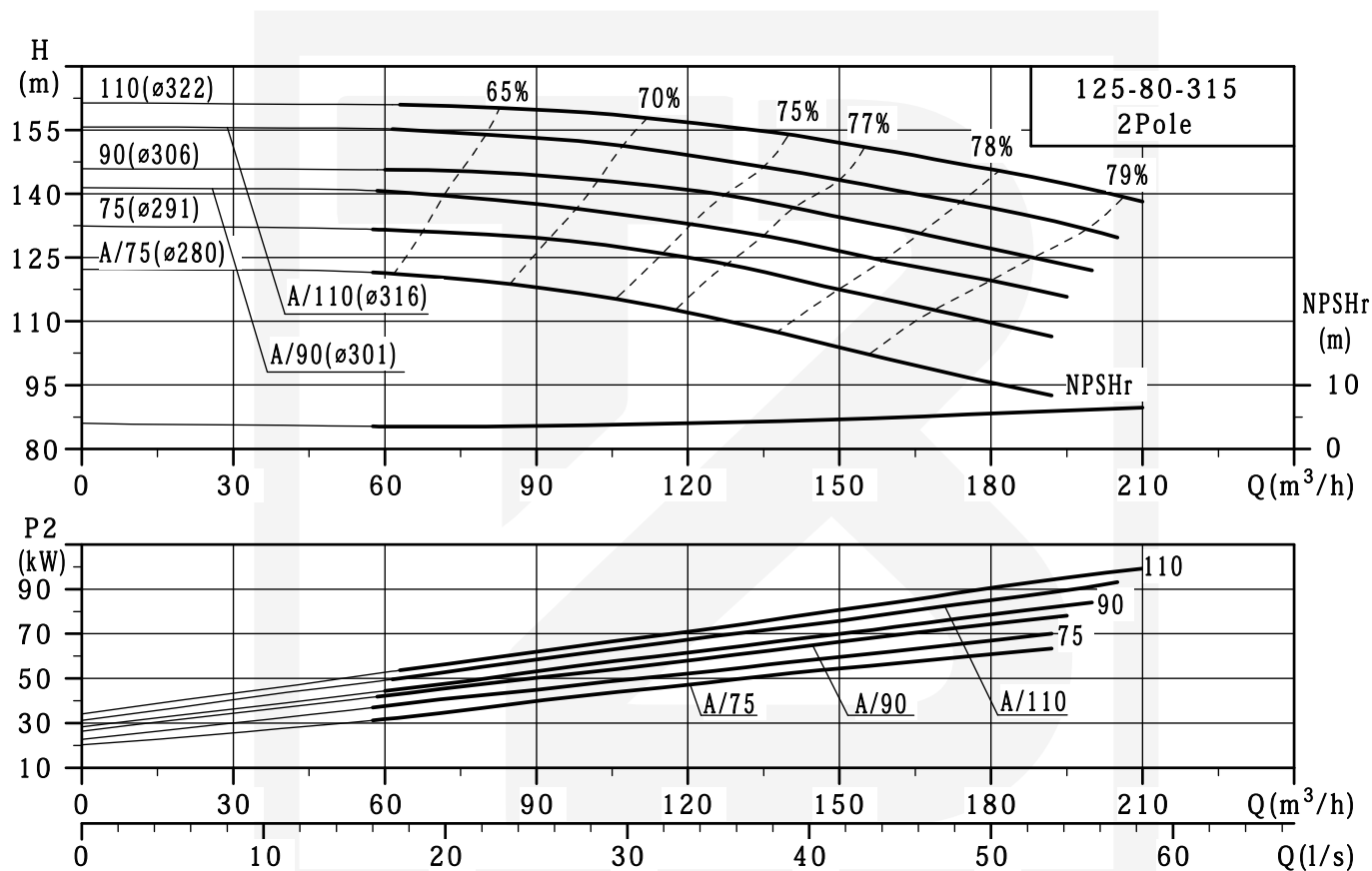


Model	Power (kW)	Q (m³/h)	60	75	90	105	120	135	150	160	180	192	200
125-80-250/45	45	H (m)	85.2	84.8	84.2	83.1	81.4	78.6	75	72	66.3	62.6	
125-80-250/55	55	H (m)	97.6	97.4	96.6	95.6	94.2	91.9	89.2	87	82	78.9	76.8

NIS/NISF/NISO125-80-315

50Hz

Performance curves

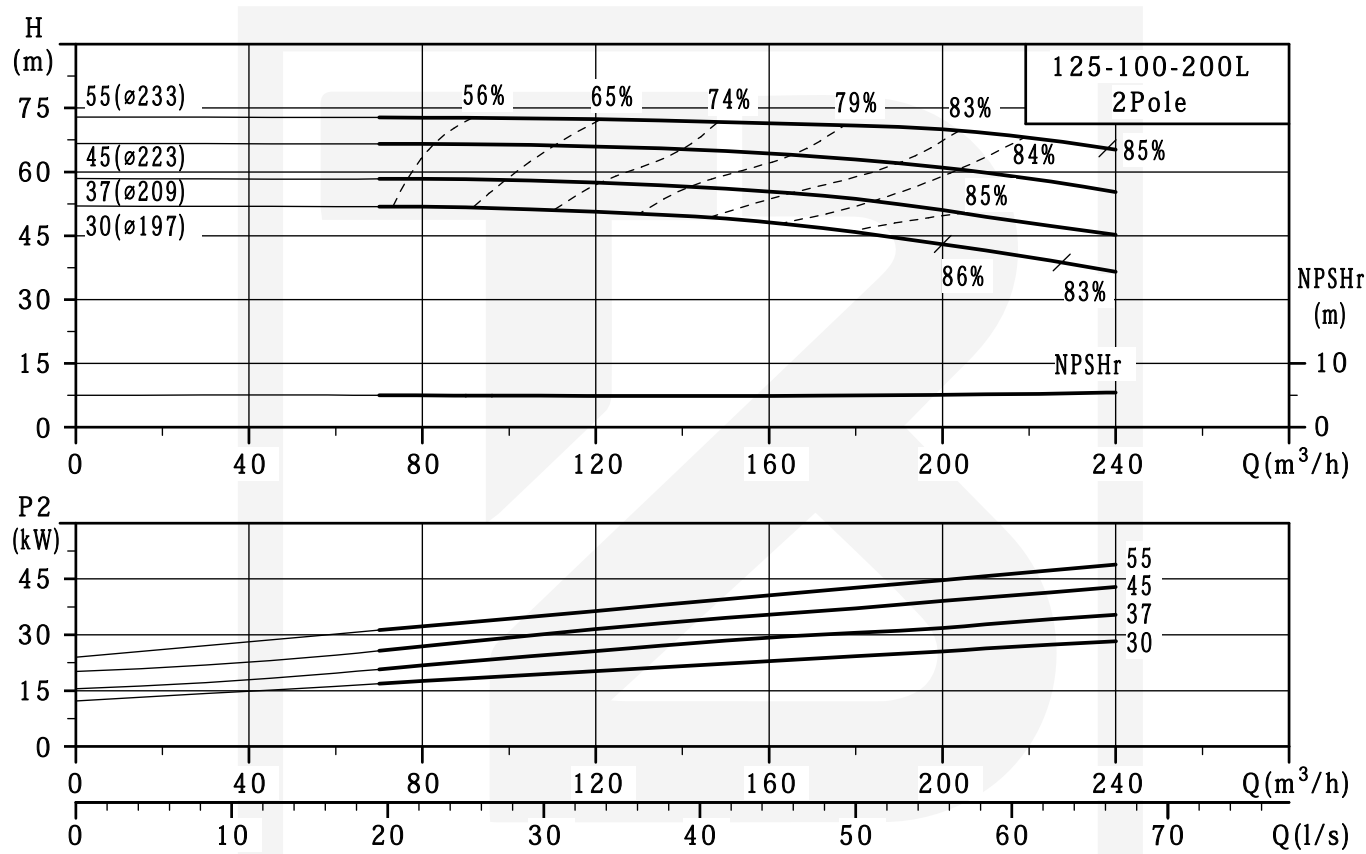


Model	Power (kW)	Q (m³/h)	60	75	90	105	120	135	150	160	180	192	195	200	205	210
125-80-315A/75	75	H (m)	121.3	119.9	118	115.4	112.1	108.2	103.9	101	95.6	92.6				
125-80-315/75	75		131.5	130.7	129.7	127.7	125	121.6	117.5	115	109.7	106.4				
125-80-315A/90	90		140.6	139.24	137.5	135.4	133	130.1	126.5	124	119.6	116.6	115.7			
125-80-315/90	90		145.6	145.3	144.4	142.9	140.9	138.1	134.5	132	127.1	124	123.3	122		
125-80-315A/110	110		155.3	154.3	153.2	151.6	149.1	146.3	143.3	141	136.7	133.7	132.9	131.4	129.7	
125-80-315/110	110		161	160.5	159.8	158.6	156.8	154.8	152	150	145.8	143	142.3	141	139.6	138.2

NIS/NISF/NISO125-100-200L

50Hz

Performance curves

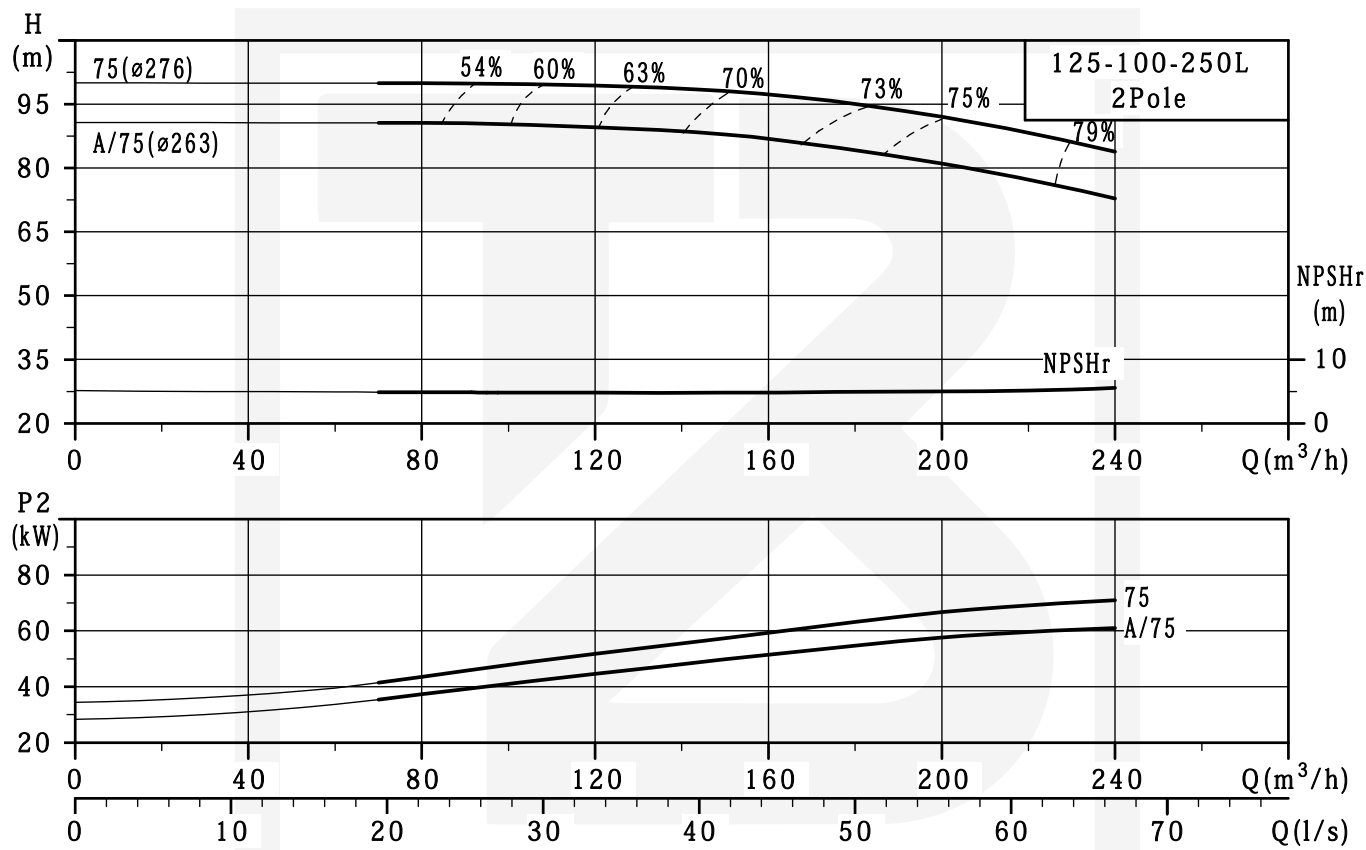


Model	Power (kW)	Q (m³/h)	60	80	100	120	140	160	180	200	220	240
125-100-200L/30	30	H (m)	51.9	51.8	51.4	50.6	49.7	48.2	45.8	43	40	36.5
125-100-200L/37	37		58.4	58.3	58.1	57.5	56.6	55.4	53.6	51	48	45.2
125-100-200L/45	45		66.6	66.5	66.4	66	65.3	64.3	62.9	61	58.5	55.3
125-100-200L/55	55		72.8	72.7	72.6	72.4	71.9	71.4	70.9	70	68.1	65.3

NIS/NISF/NISO125-100-250L

50Hz

Performance curves

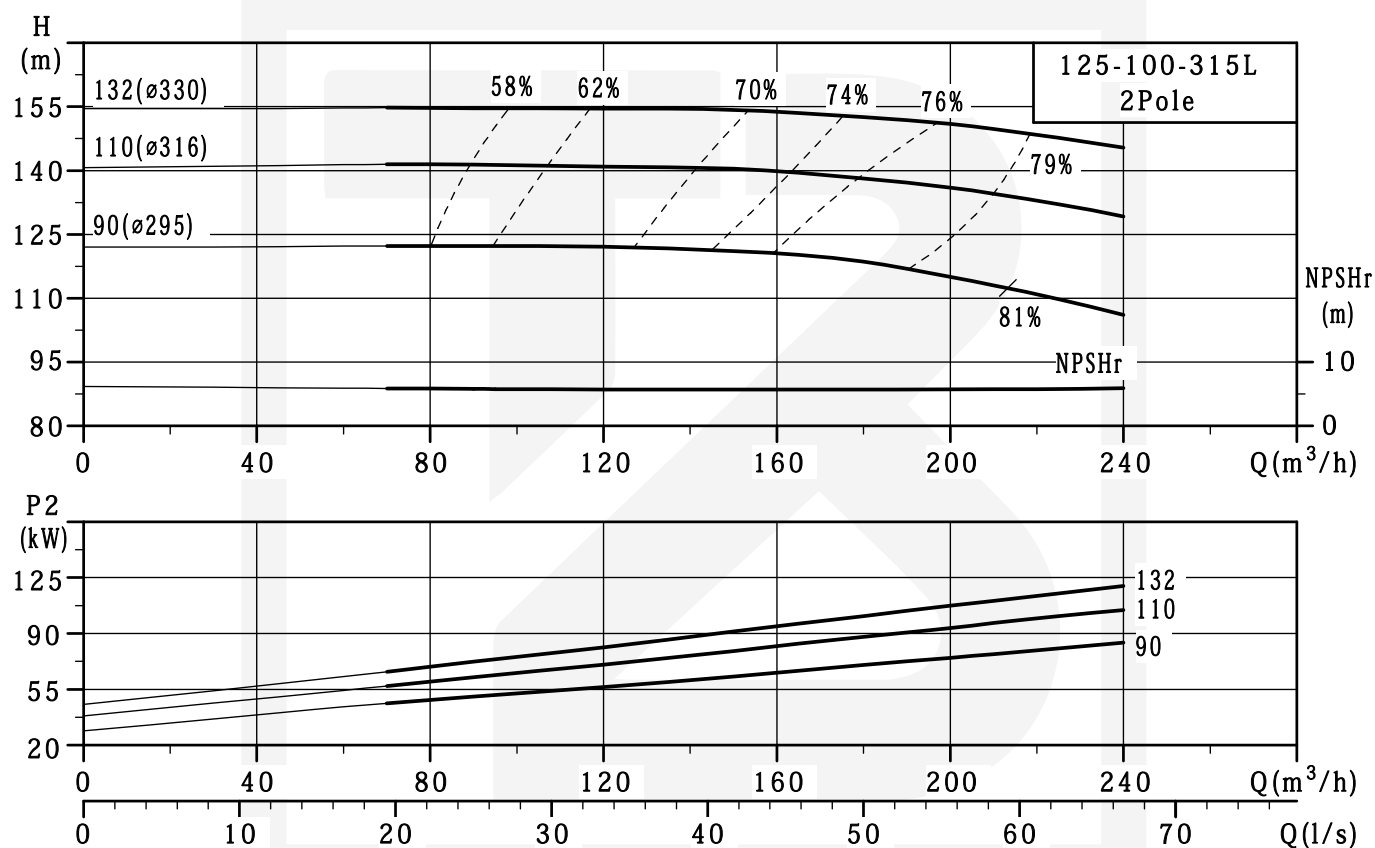


Model	Power (kW)	Q (m³/h)	60	80	100	120	140	160	180	200	220	240
125-100-250LA/75	75	H (m)	90.6	90.6	90.3	89.5	88.6	86.9	84.2	81	77.2	72.8
125-100-250L/75	75	H (m)	99.9	99.8	99.7	99.4	98.6	97.3	95	92	88.3	83.8

NIS/NISF/NISO125-100-315L

50Hz

Performance curves

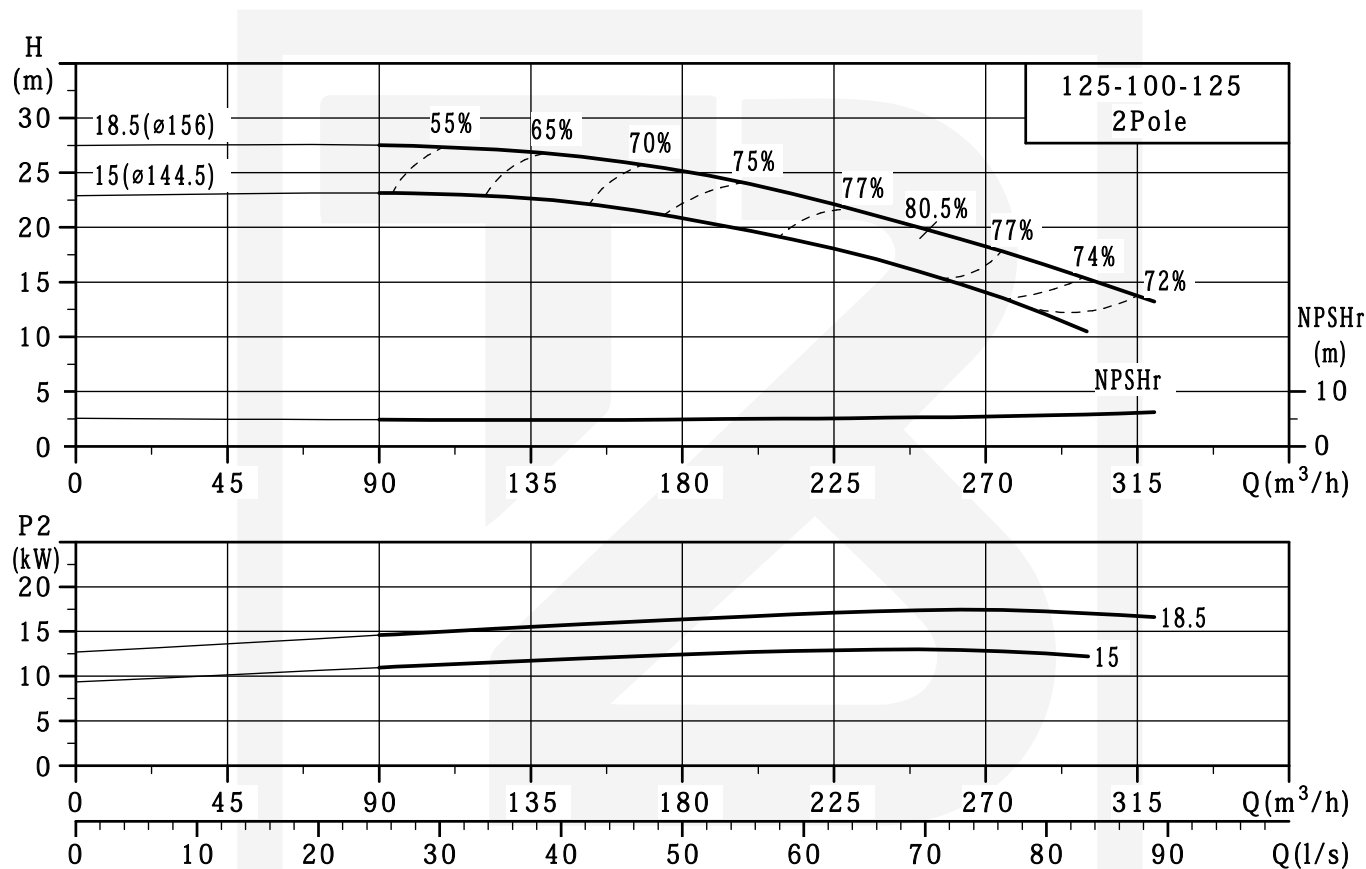


Model	Power (kW)	Q (m³/h)	60	80	100	120	140	160	180	200	220	240
125-100-315L/90	90	H (m)	122.4	122.3	122.3	122.1	121.8	120.8	118.9	115	111.2	106.3
125-100-315L/110	110		141.4	141.4	141.2	140.9	140.8	139.8	138.2	136	133	129.2
125-100-315L/132	132		154.7	154.7	154.6	154.6	154.5	153.8	152.5	151	148.5	145.4

NIS/NISF/NISO125-100-125

50Hz

Performance curves

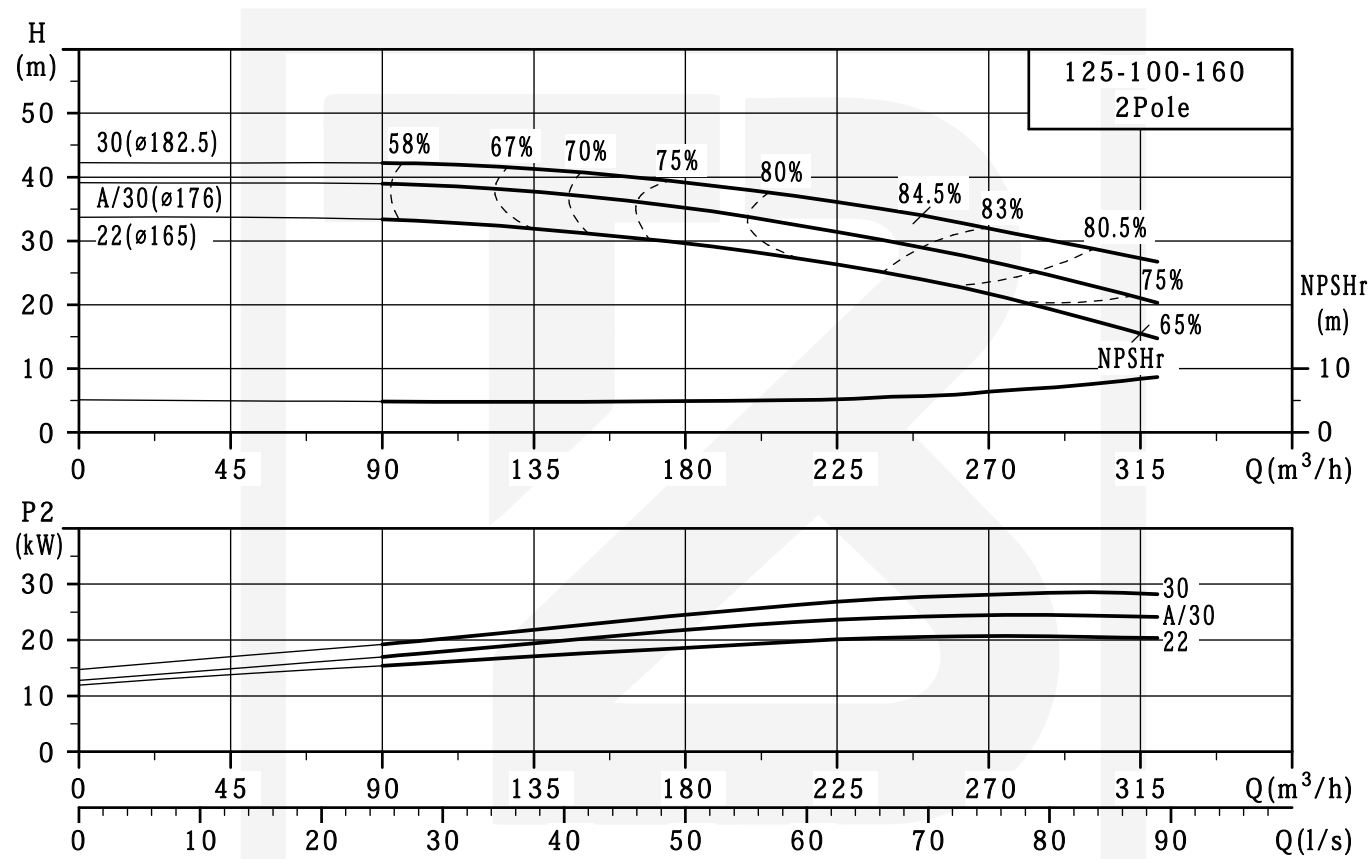


Model	Power (kW)	Q (m³/h)	90	112.5	135	157.5	180	202.5	225	250	275	300	320
125-100-125/15	15	H (m)	23.2	23	22.7	21.9	20.9	19.5	18.1	16	13.6	10.5	
125-100-125/18.5	18.5		27.5	27.3	26.9	26.2	25.2	23.8	22.1	20	17.8	15.3	13.2

NIS/NISF/NISO125-100-160

50Hz

Performance curves

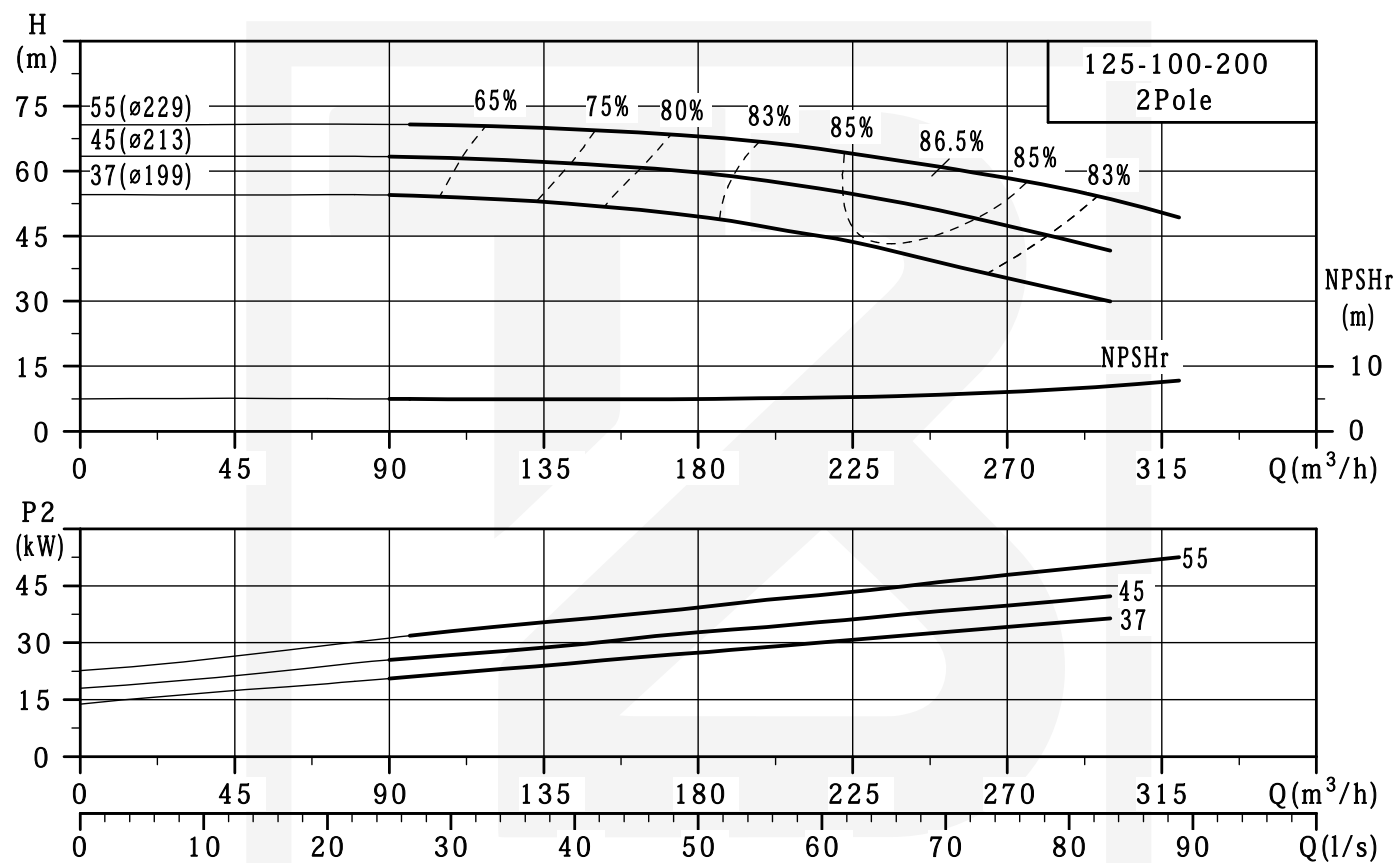


Model	Power (kW)	Q (m³/h)	90	112.5	135	157.5	180	202.5	225	250	275	300	320
125-100-160/22	22	H (m)	33.4	32.8	31.9	30.9	29.6	28.1	26.3	24	21.1	17.7	14.7
125-100-160A/30	30		39	38.5	37.7	36.6	35.2	33.5	31.4	29	26.2	23.1	20.3
125-100-160/30	30		42.2	41.9	41.3	40.4	39.2	37.7	36.1	34	31.4	28.9	26.7

NIS/NISF/NISO125-100-200

50Hz

Performance curves

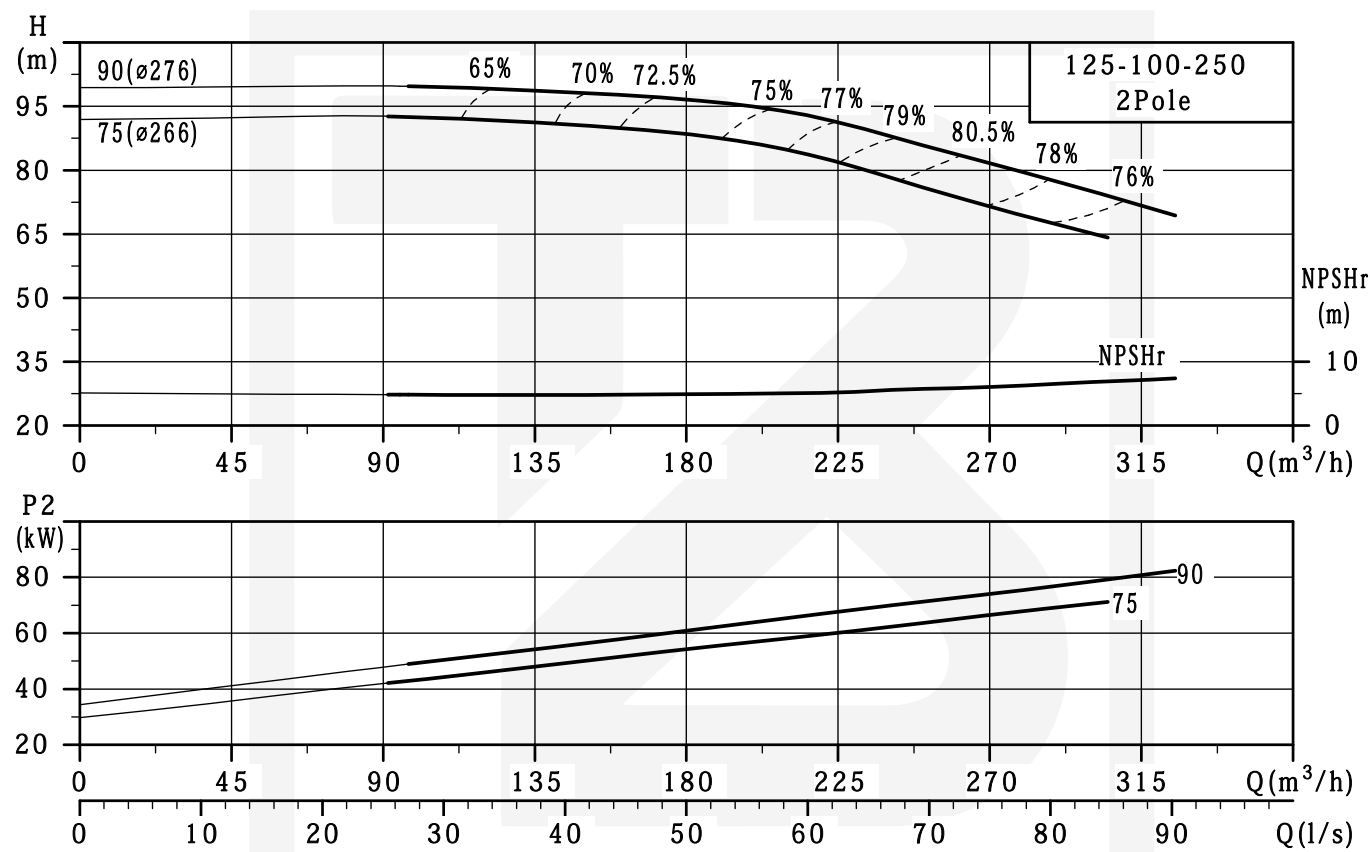


Model	Power (kW)	Q (m³/h)	90	112.5	135	157.5	180	202.5	225	250	270	290	300	320
125-100-200/37	37		54.5	53.9	52.9	51.5	49.6	46.7	43.7	39	35.3	31.8	30	
125-100-200/45	45		63.4	62.9	62.1	61.1	59.7	57.5	54.7	51	47.4	43.6	41.7	
125-100-200/55	55		70.8	70.5	70	69.1	68	66.4	64.1	61	58.4	55.4	53.5	49.3

NIS/NISF/NISO125-100-250

50Hz

Performance curves

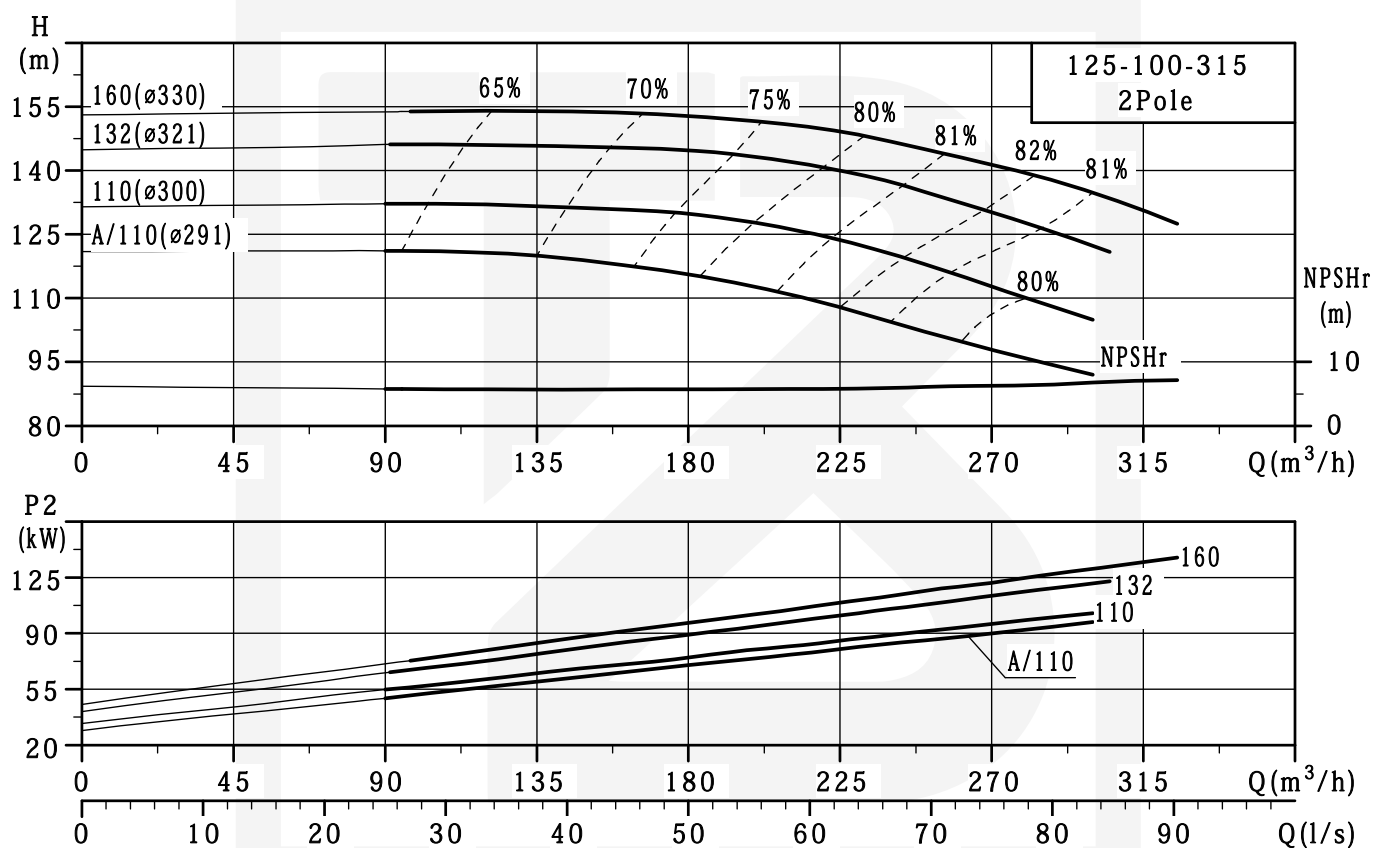


Model	Power (kW)	Q (m³/h)	90	112.5	135	157.5	180	202.5	225	250	270	292.5	305	325
125-100-250/75	75	H (m)	92.7	92.1	91.3	90.1	88.5	85.4	81.9	76	71.5	66.7	64.2	
125-100-250/90	90		99.8	99.4	98.7	97.9	96.6	94.7	91.3	86	81.6	76.8	74	69.4

NIS/NISF/NISO125-100-315

50Hz

Performance curves

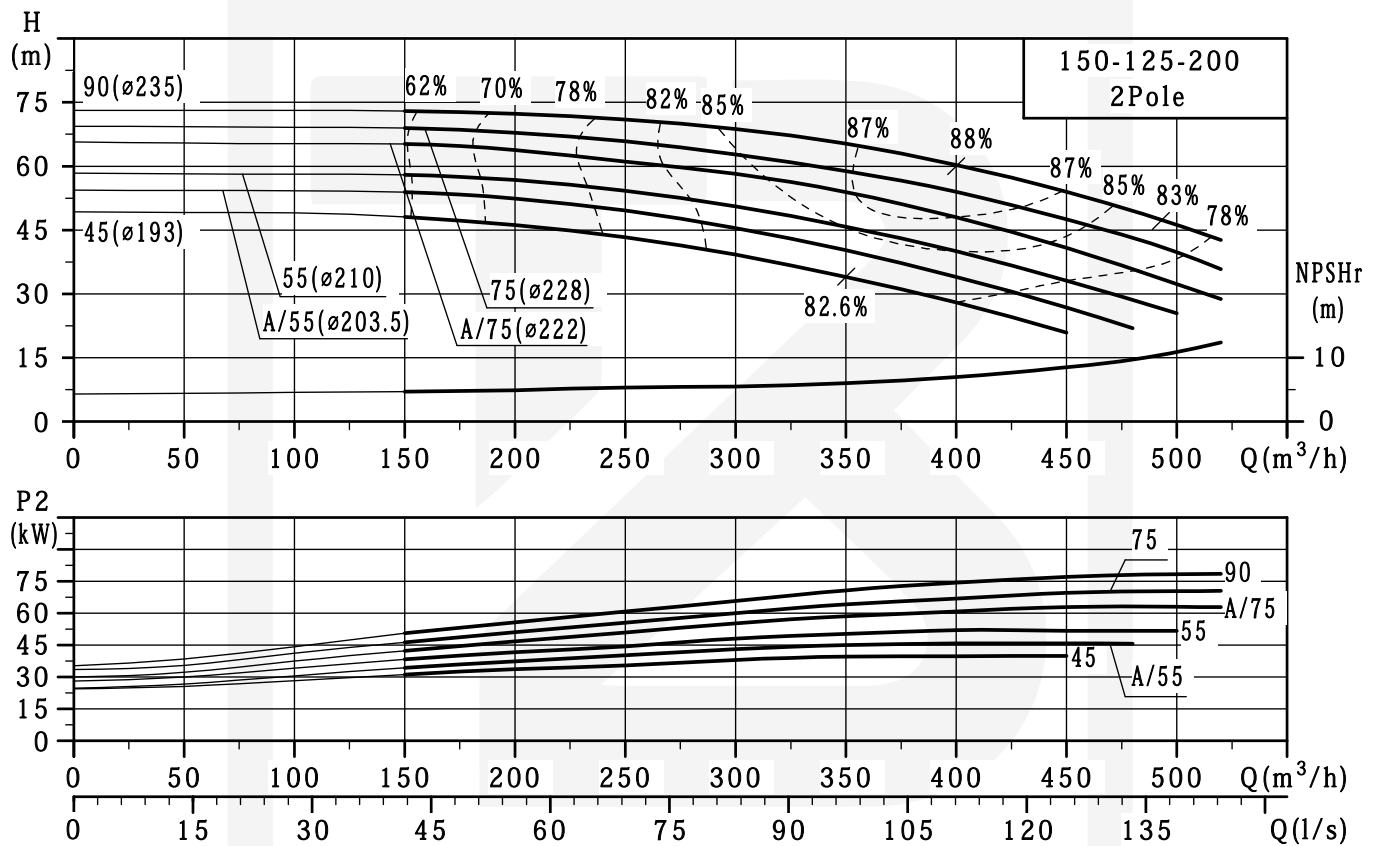


Model	Power (kW)	Q (m³/h)	90	112.5	135	157.5	180	202.5	225	250	270	292.5	300	305	315	325
125-100-315A/110	110	H (m)	121.1	120.9	120	118.1	115.6	112.2	107.9	102	97.9	93.4	92			
125-100-315/110	110		132.2	132.1	131.6	130.9	129.8	127.4	123.7	118	112.8	106.9	104.9			
125-100-315/132	132		146.1	146	145.8	145.4	144.7	142.9	140	135	130.2	124.4	122.3	120.9		
125-100-315/160	160		153.8	154	153.9	153.6	152.8	151.4	149.2	145	141.4	136.7	134.8	133.5	130.6	127.4

NIS/NISF/NISO150-125-200

50Hz

Performance curves



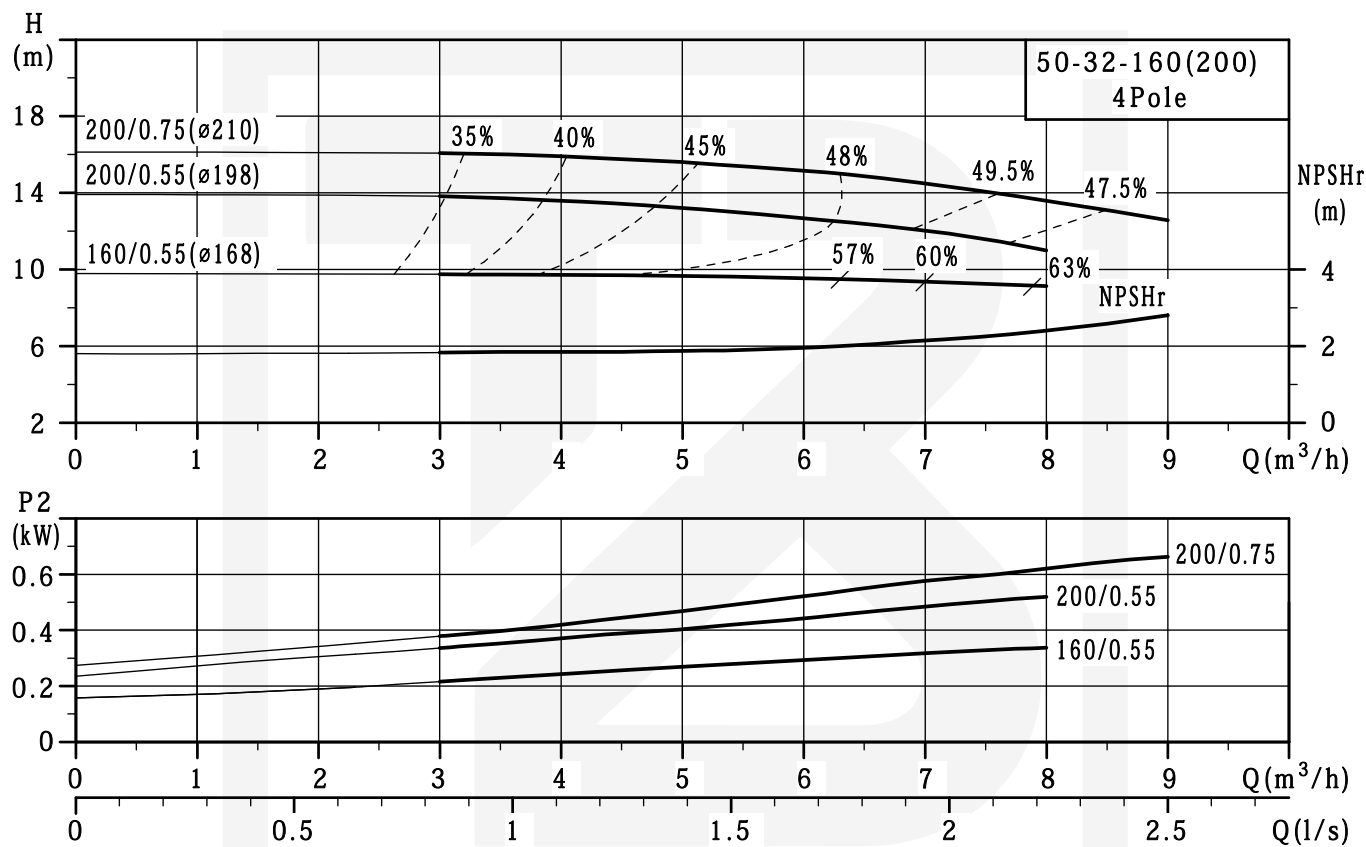
Model	Power (kW)	Q (m³/h)	150	200	250	300	350	400	450	480	500	520
150-125-200/45	45	H (m)	48.1	46.2	43.3	39.2	34	28	20.9			
150-125-200A/55	55		53.9	52.4	49.6	45.5	40.3	34	26.8	22		
150-125-200/55	55		58	56.8	54.3	50.6	45.8	40	33.1	28.6	25.5	
150-125-200A/75	75		65.2	63.8	61.1	58.2	53.9	48	40.8	35.8	32.2	28.8
150-125-200/75	75		69	67.9	65.9	62.7	58.9	54	47.5	43.2	39.8	35.9
150-125-200/90	90		73	72.3	71	68.7	65.3	60	54	49.5	46.2	42.7



NIS/NISF/NISO50-32-160(200)

50Hz

Performance curves

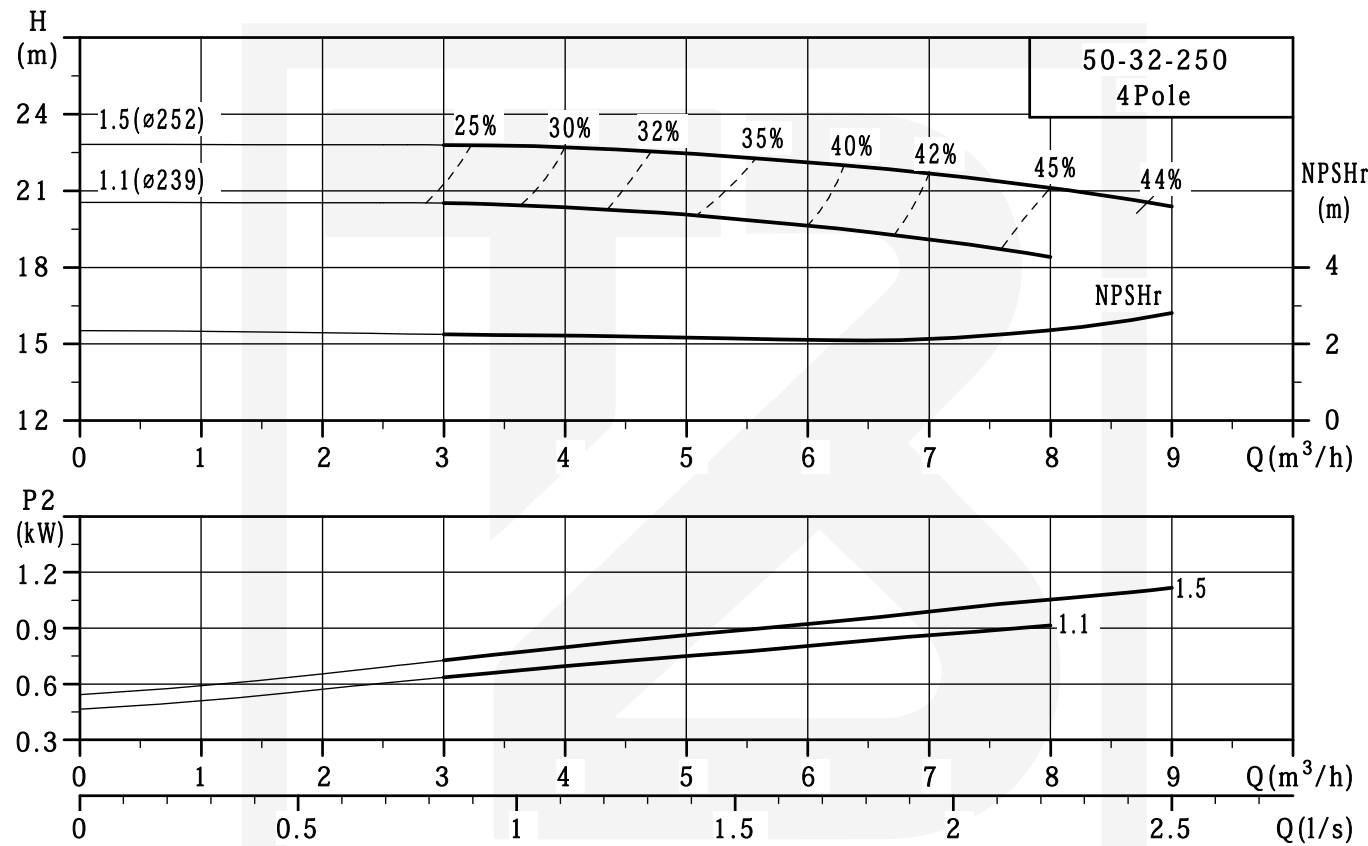


Model	Power (kW)	Q (m³/h)	3	4	5	6.3	7	8	9
50-32-160/0.55	0.55	H (m)	9.8	9.7	9.6	9.5	9.4	9.1	
50-32-200/0.55	0.55		13.8	13.6	13.2	12.5	12	11	
50-32-200/0.75	0.75		16.1	15.9	15.6	15	14.5	13.6	12.6

NIS/NISF/NISO50-32-250

50Hz

Performance curves



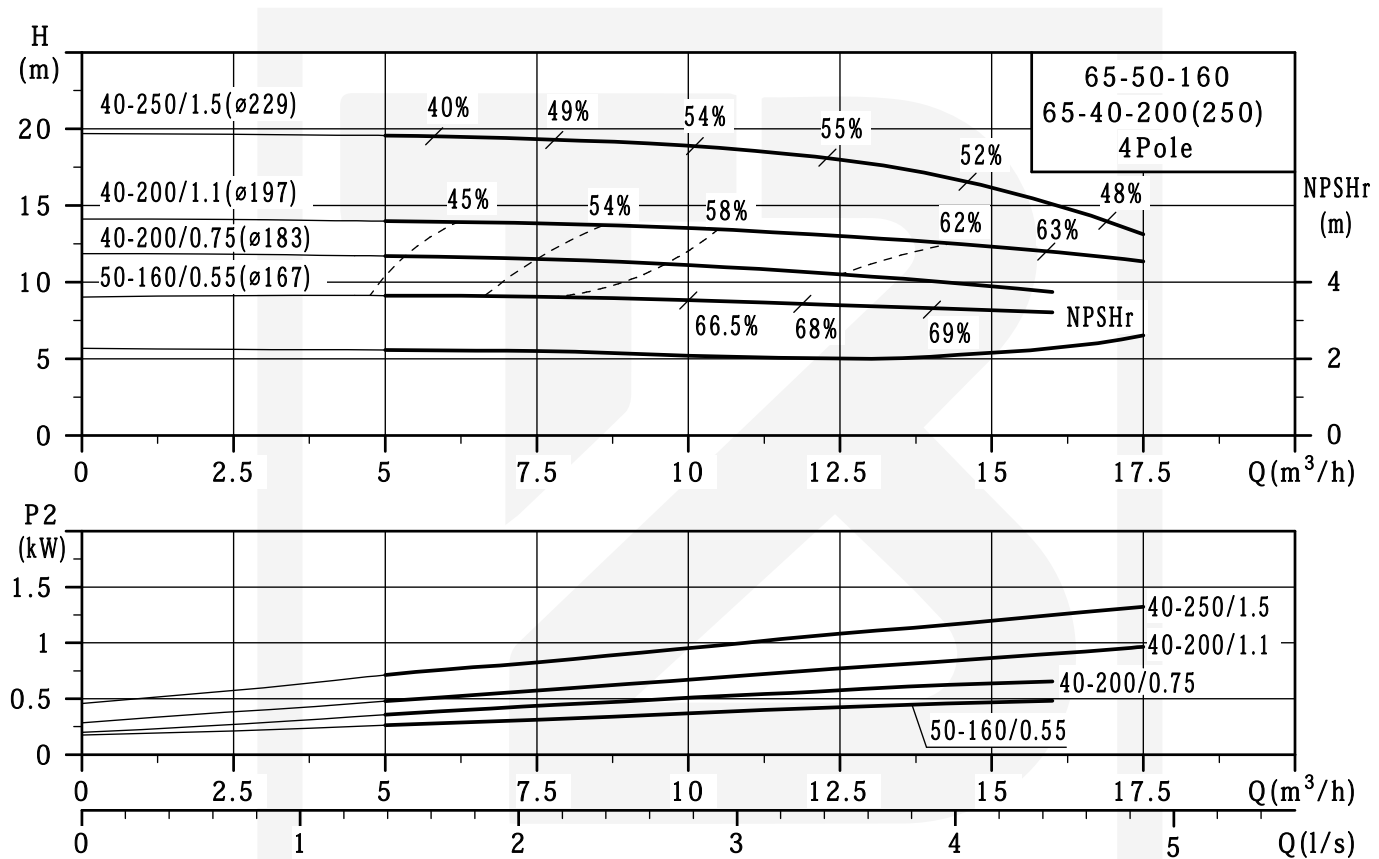
Model	Power (kW)	Q (m³/h)	3	4	5	6.3	7	8	9
50-32-250/1.1	1.1	H (m)	20.5	20.4	20.1	19.5	19.1	18.4	
50-32-250/1.5	1.5		22.8	22.7	22.5	22	21.7	21.1	20.4

NIS/NISF/NISO65-50-160

NIS/NISF/NISO65-40-200(250)

50Hz

Performance curves

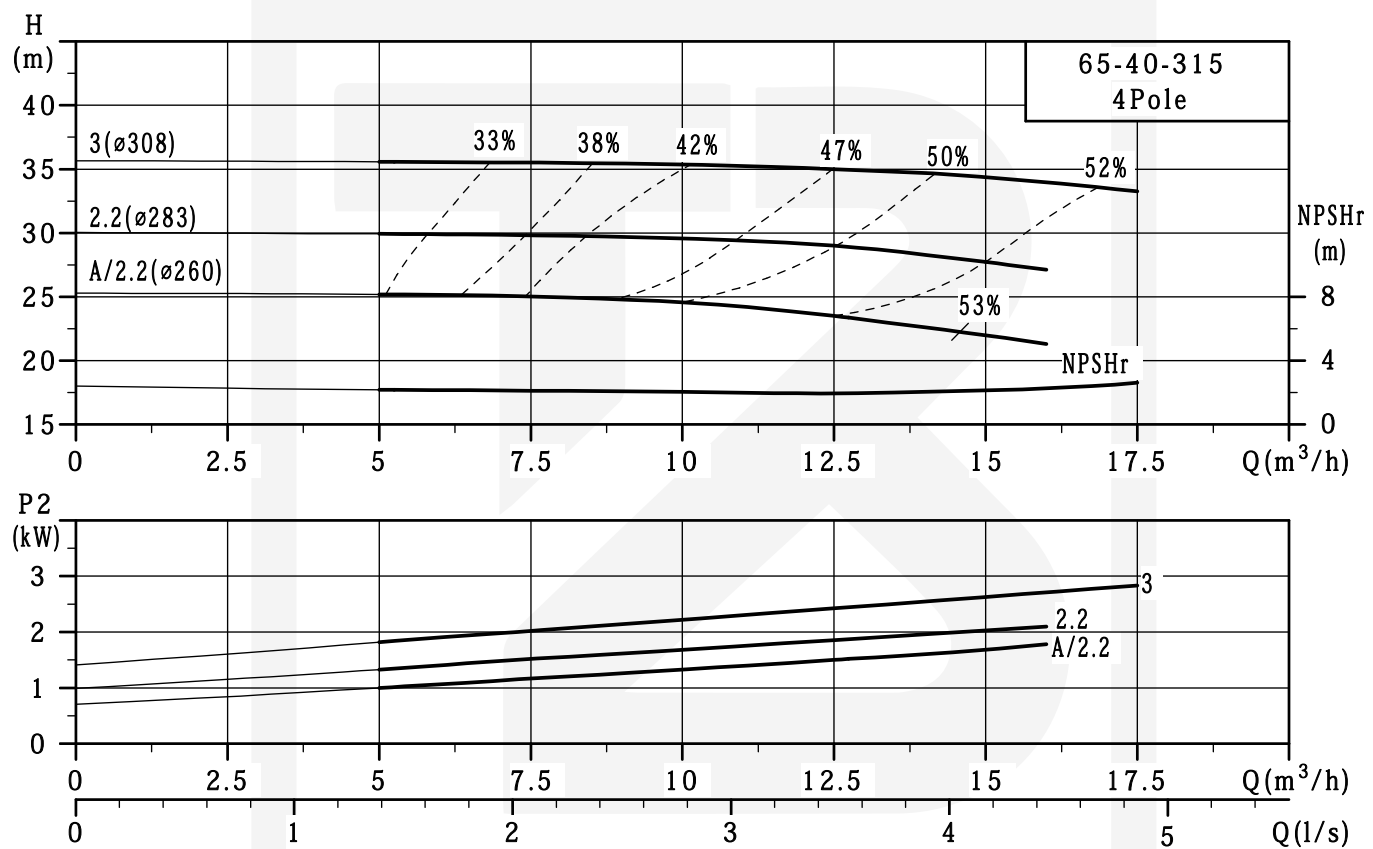


Model	Power (kW)	Q (m³/h)	5	7.5	10	12.5	15	16	17.5
65-50-160/0.55	0.55	H (m)	9.1	9	8.8	8.5	8.2	8	
65-40-200/0.75	0.75		11.7	11.5	11.1	10.5	9.8	9.4	
65-40-200/1.1	1.1		14	13.8	13.5	13	12.3	12	11.4
65-40-250/1.5	1.5		19.6	19.3	18.9	18	16.2	15.1	13.1

NIS/NISF/NISO65-40-315

50Hz

Performance curves

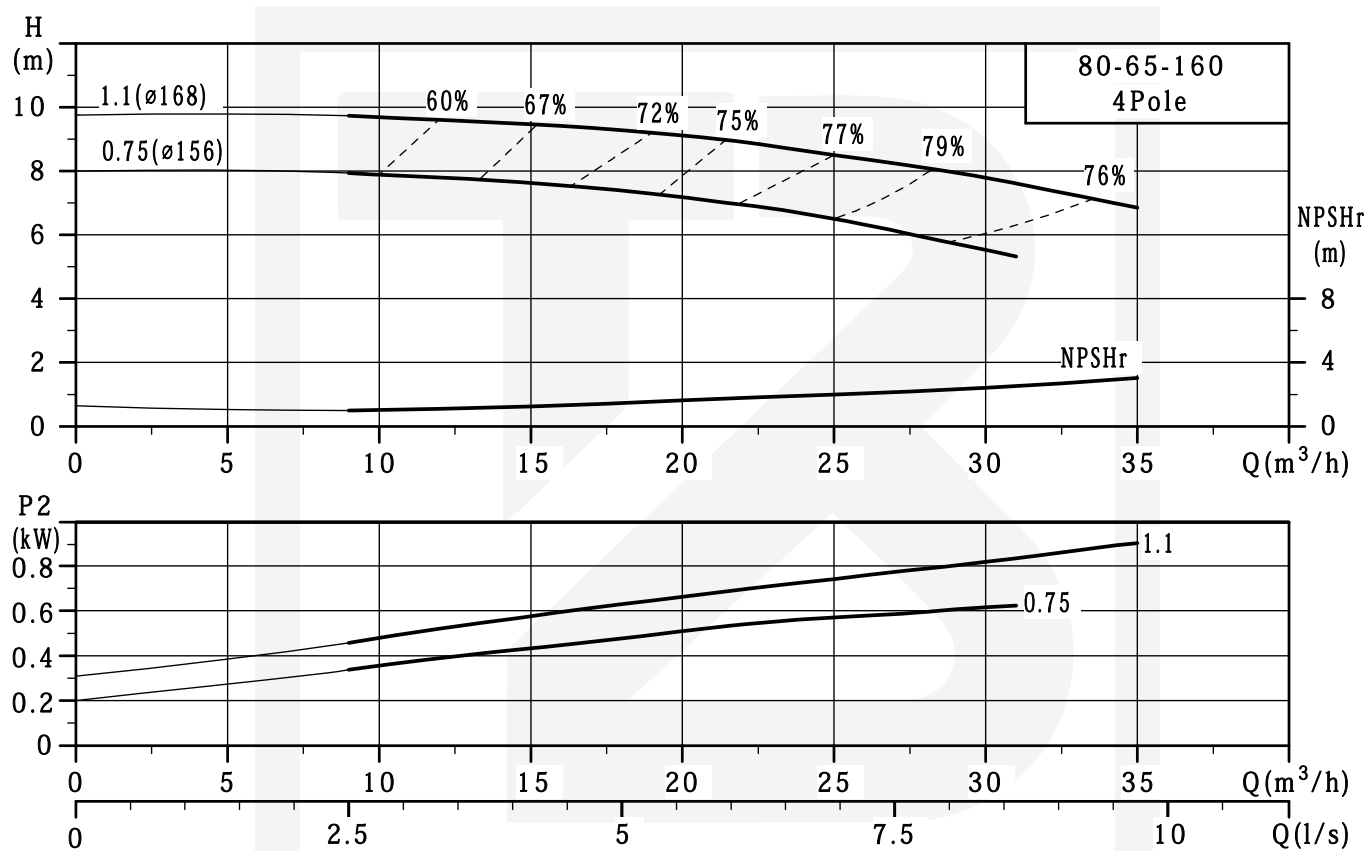


Model	Power (kW)	Q (m³/h)	5	7.5	10	12.5	15	16	17.5
65-40-315A/2.2	2.2	H (m)	25.2	25	24.6	23.5	22	21.3	
65-40-315/2.2	2.2		29.9	29.8	29.6	29	27.8	27.1	
65-40-315/3	3		35.6	35.5	35.4	35	34.4	34	33.3

NIS/NISF/NISO80-65-160

50Hz

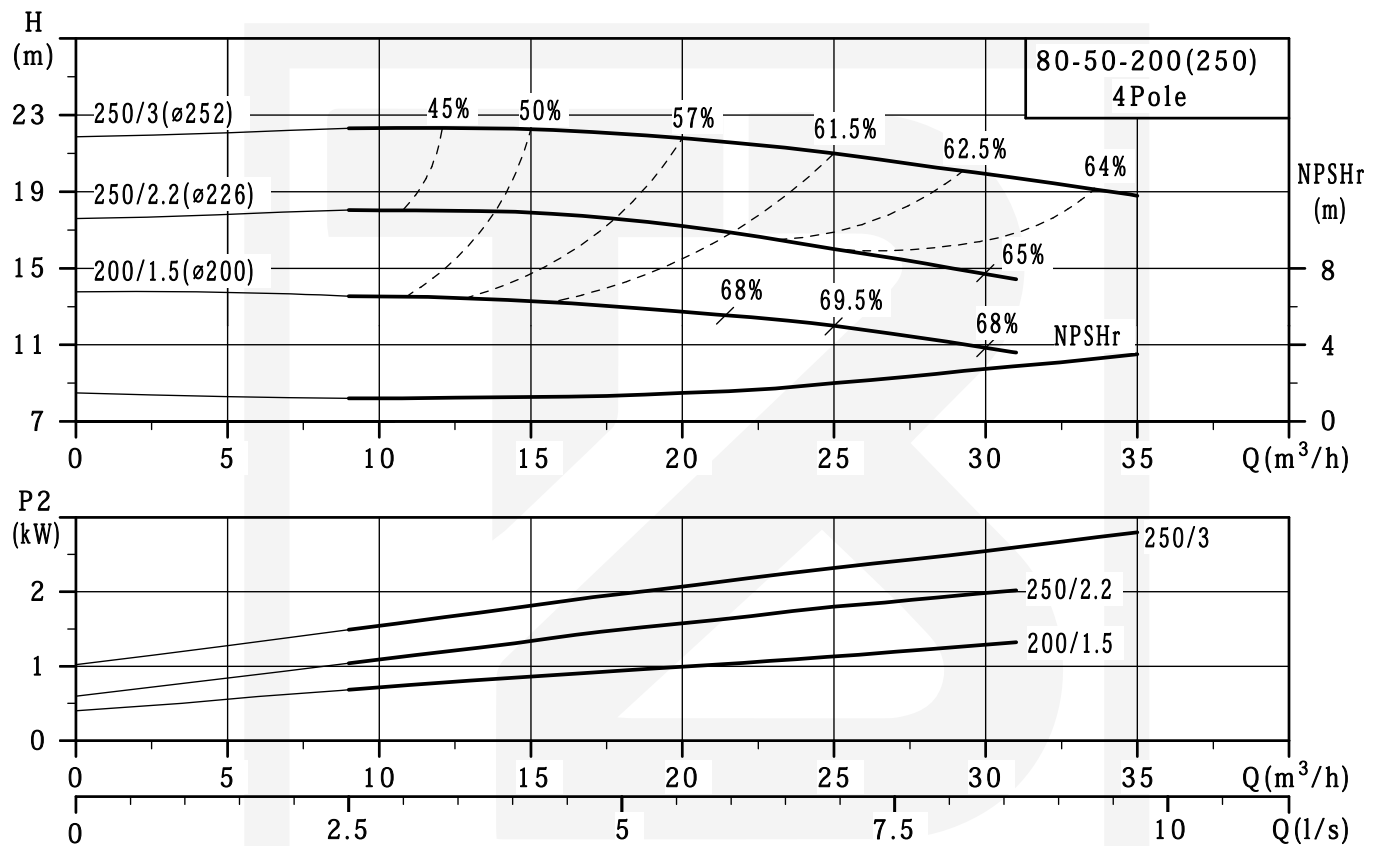
Performance curves



Model	Power (kW)	Q (m³/h)	10	15	20	25	31	35
80-65-160/0.75	0.75	H (m)	7.9	7.6	7.2	6.5	5.3	
80-65-160/1.1	1.1		9.7	9.5	9.1	8.5	7.6	6.9

NIS/NISF/NISO80-50-200(250) 50Hz

Performance curves

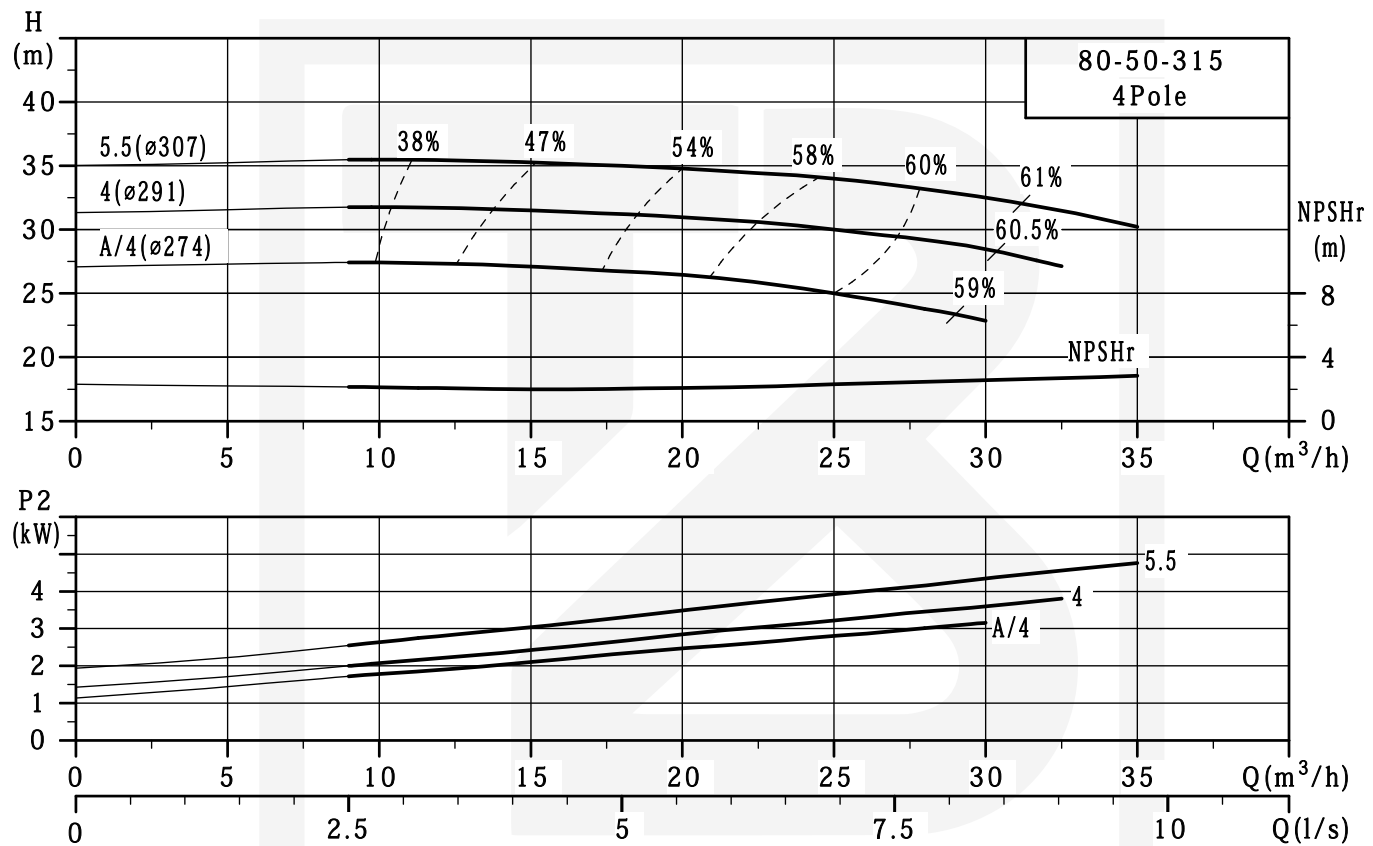


Model	Power (kW)	Q (m³/h)	10	15	20	25	31	35
80-50-200/1.5	1.5	H (m)	13.5	13.3	12.7	12	10.6	
80-50-250/2.2	2.2		18.1	17.9	17.2	16	14.4	
80-50-250/3	3		22.3	22.2	21.8	21	19.9	18.8

NIS/NISF/NISO80-50-315

50Hz

Performance curves



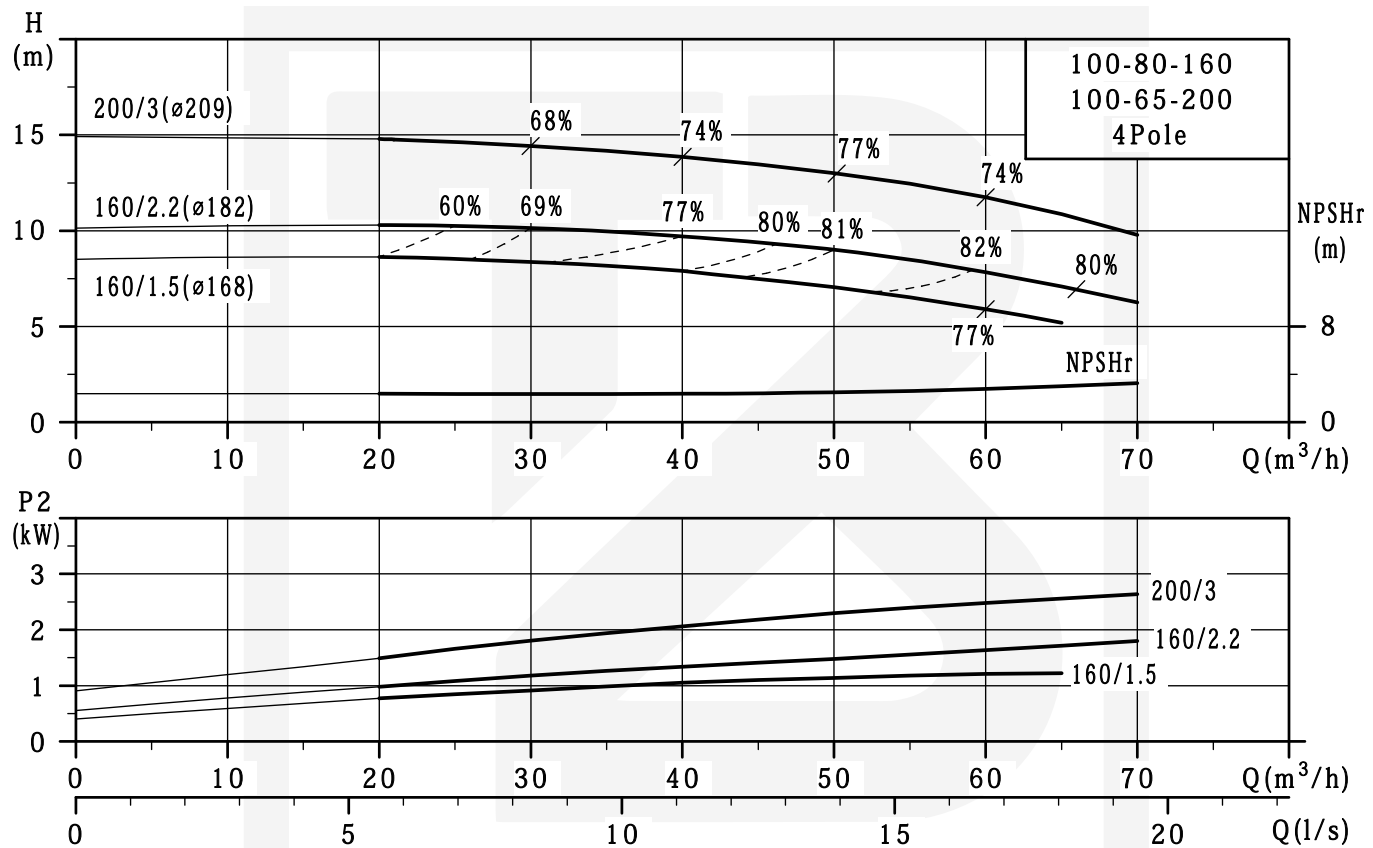
Model	Power (kW)	Q (m³/h)	10	15	20	25	30	32.5	35
80-50-315A/4	4		27.4	27.1	26.5	25	22.9		
80-50-315/4	4	H (m)	31.8	31.5	31.2	30	28.5	27.1	
80-50-315/5.5	5.5		35.5	35.3	34.8	34	32.5	31.5	30.2

NIS/NISF/NISO100-80-160

NIS/NISF/NISO100-65-200

50Hz

Performance curves

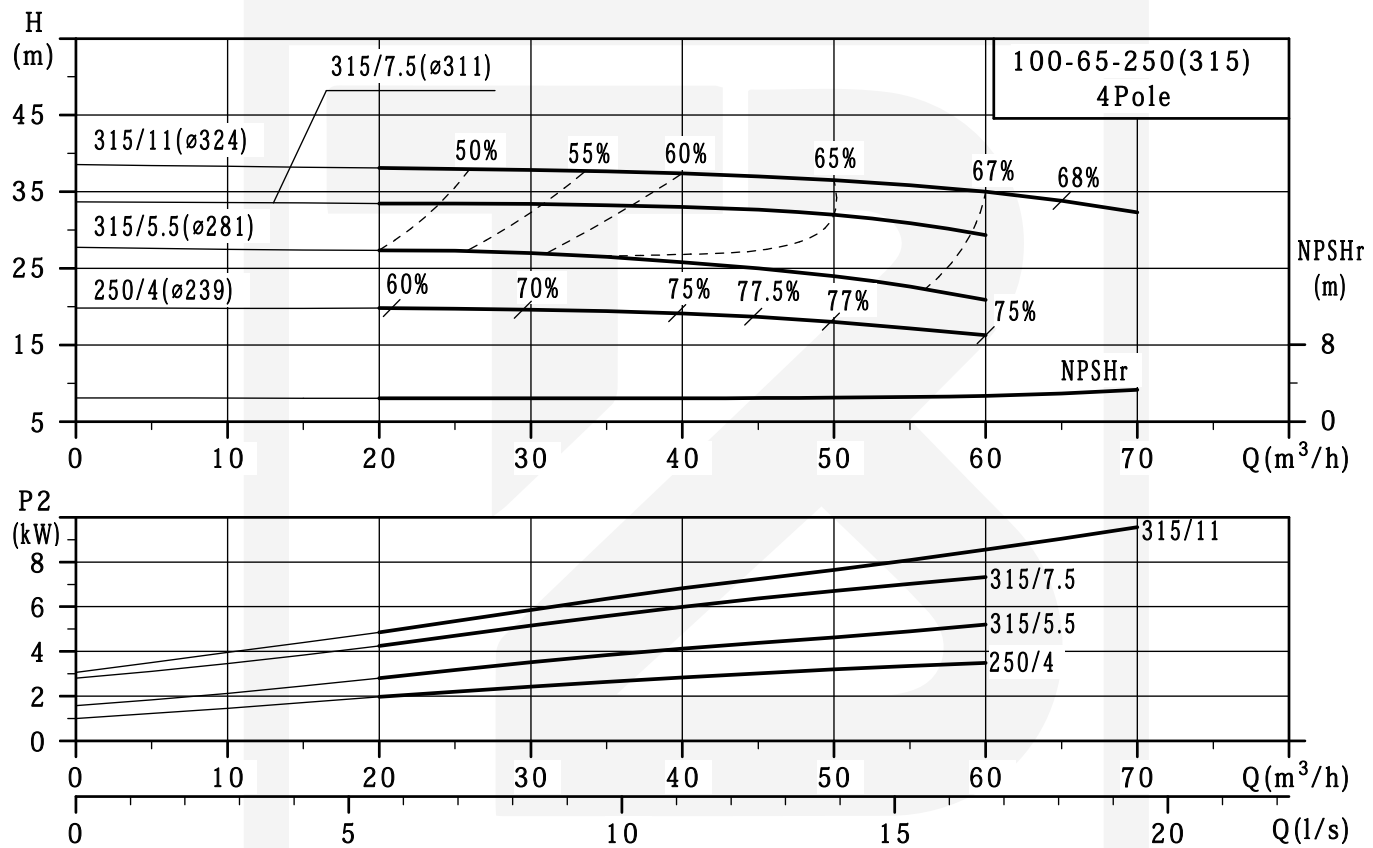


Model	Power (kW)	Q (m³/h)	20	30	40	50	60	65	70
100-80-160/1.5	1.5	H (m)	8.6	8.4	7.9	7	5.9	5.2	
100-80-160/2.2	2.2		10.3	10.1	9.7	9	7.8	7.1	6.3
100-65-200/3	3		14.8	14.4	13.9	13	11.8	10.9	9.8

NIS/NISF/NISO100-65-250(315)

50Hz

Performance curves

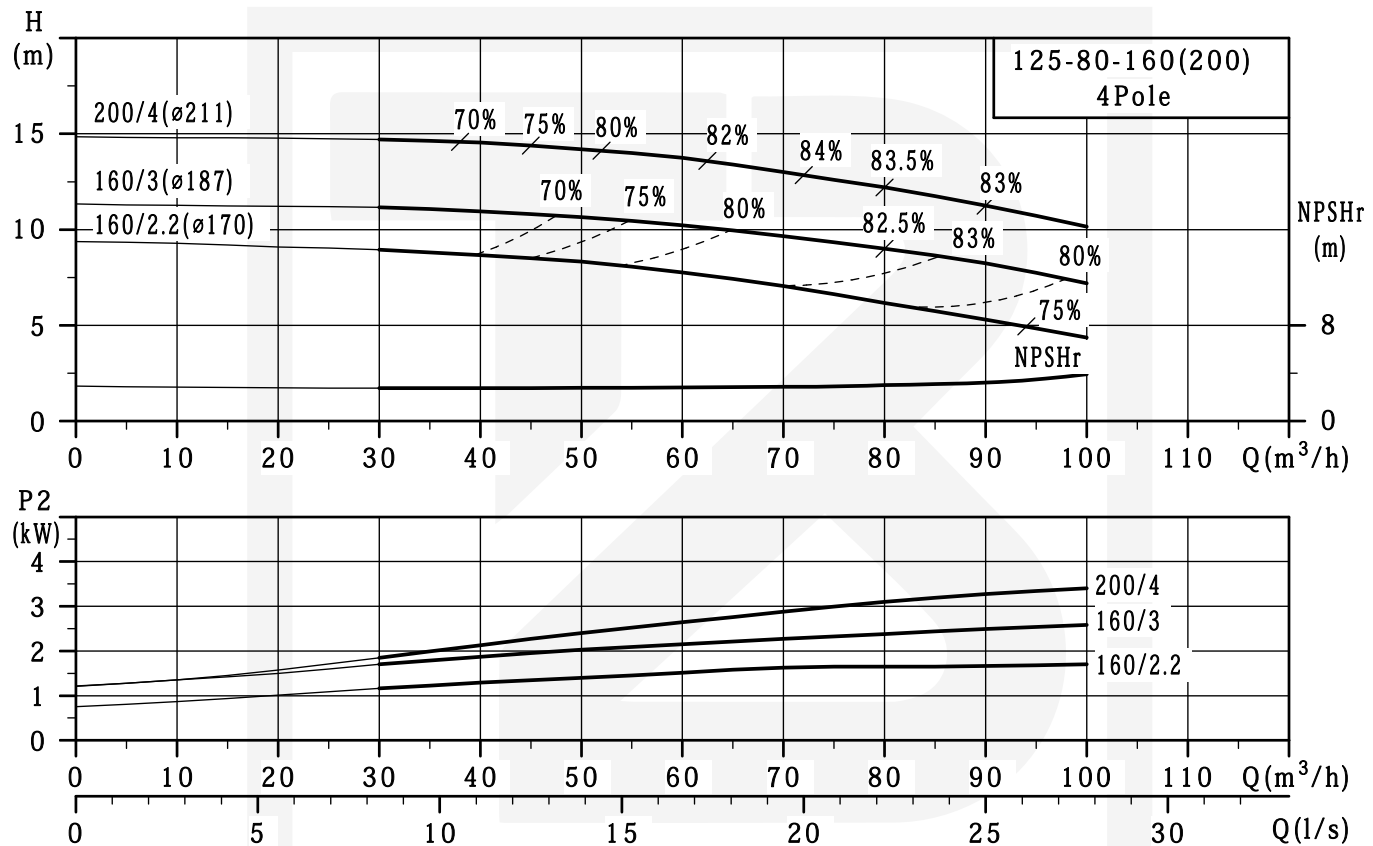


Model	Power (kW)	Q (m³/h)	20	30	40	50	60	70
100-65-250/4	4	H (m)	19.8	19.6	19.1	18	16.3	
100-65-315/5.5	5.5		27.4	27	25.8	24	20.9	
100-65-315/7.5	7.5		33.5	33.4	33	32	29.3	
100-65-315/11	11		38.1	37.9	37.4	36.5	35	32.3

NIS/NISF/NISO125-80-160(200)

50Hz

Performance curves

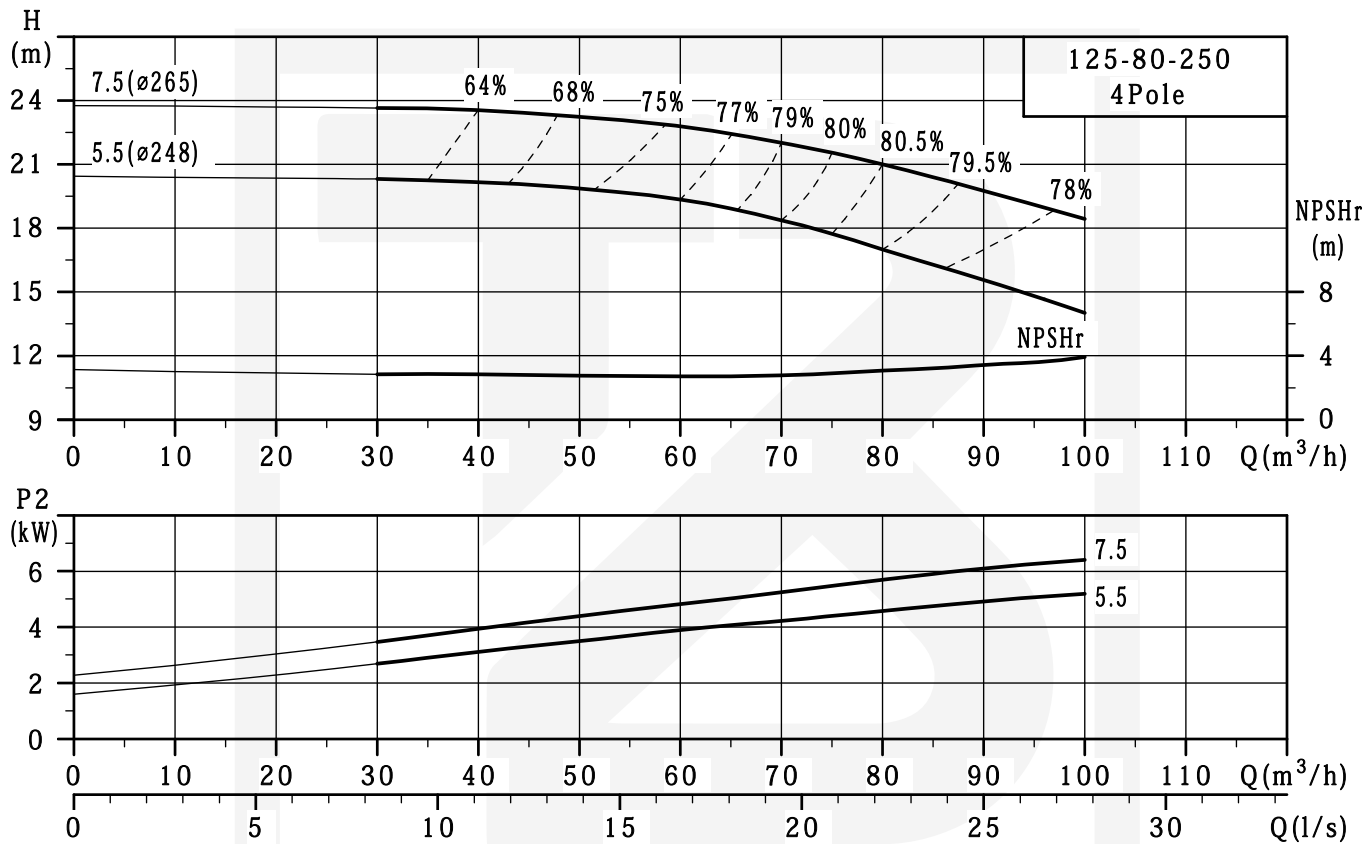


Model	Power (kW)	Q (m³/h)	30	40	50	60	70	80	90	100
125-80-160/2.2	2.2	H (m)	9	8.7	8.3	7.8	7.1	6	5.3	4.4
125-80-160/3	3		11.2	11	10.7	10.2	9.7	9	8.2	7.2
125-80-200/4	4		14.7	14.5	14.2	13.8	13	12	11.3	10.2

NIS/NISF/NISO125-80-250

50Hz

Performance curves

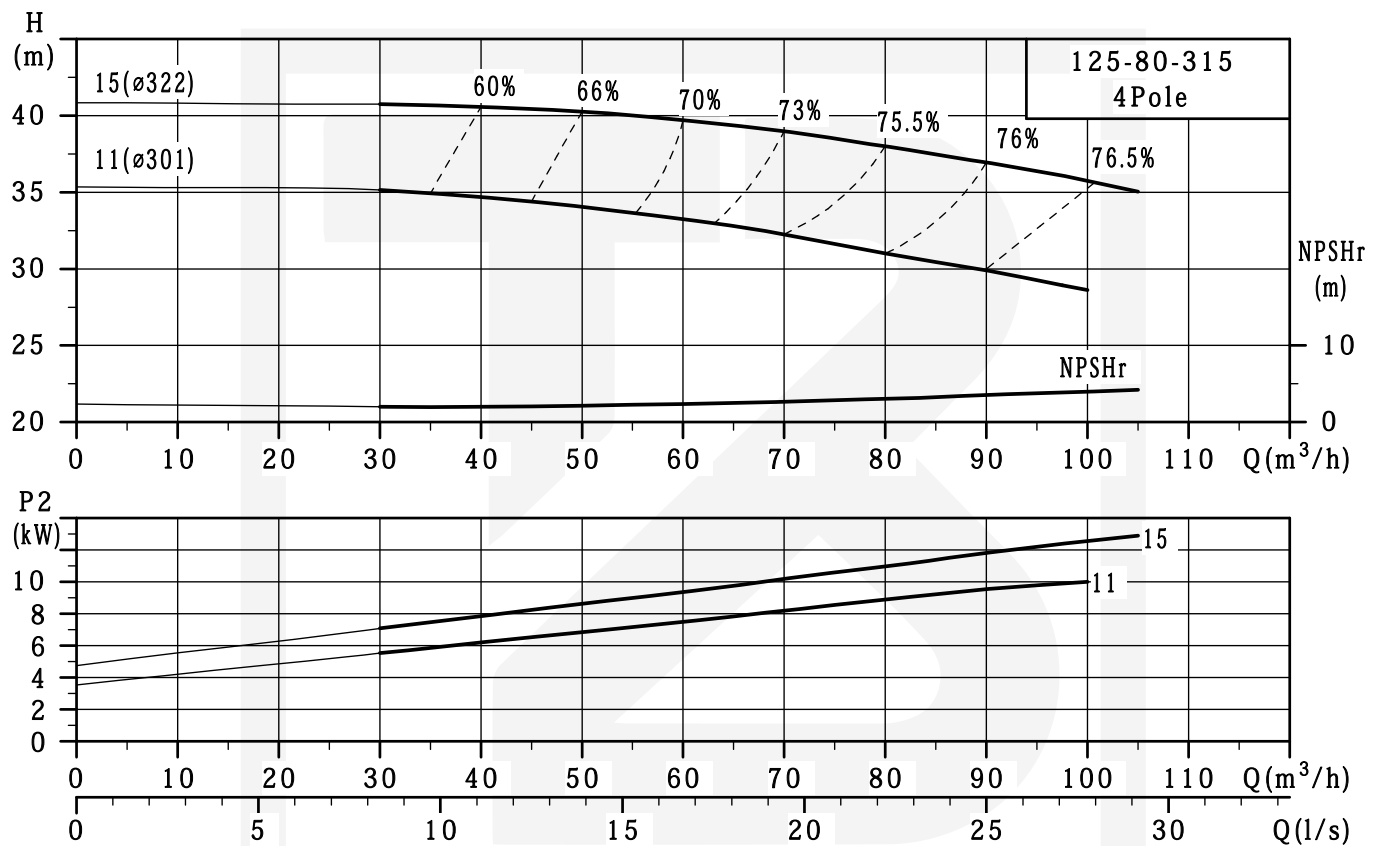


Model	Power (kW)	Q (m³/h)	30	40	50	60	70	80	90	100
125-80-250/5.5	5.5	H (m)	20.3	20.2	19.9	19.4	18.4	17	15.6	14
125-80-250/7.5	7.5		23.7	23.6	23.2	22.8	22	21	19.8	18.4

NIS/NISF/NISO125-80-315

50Hz

Performance curves

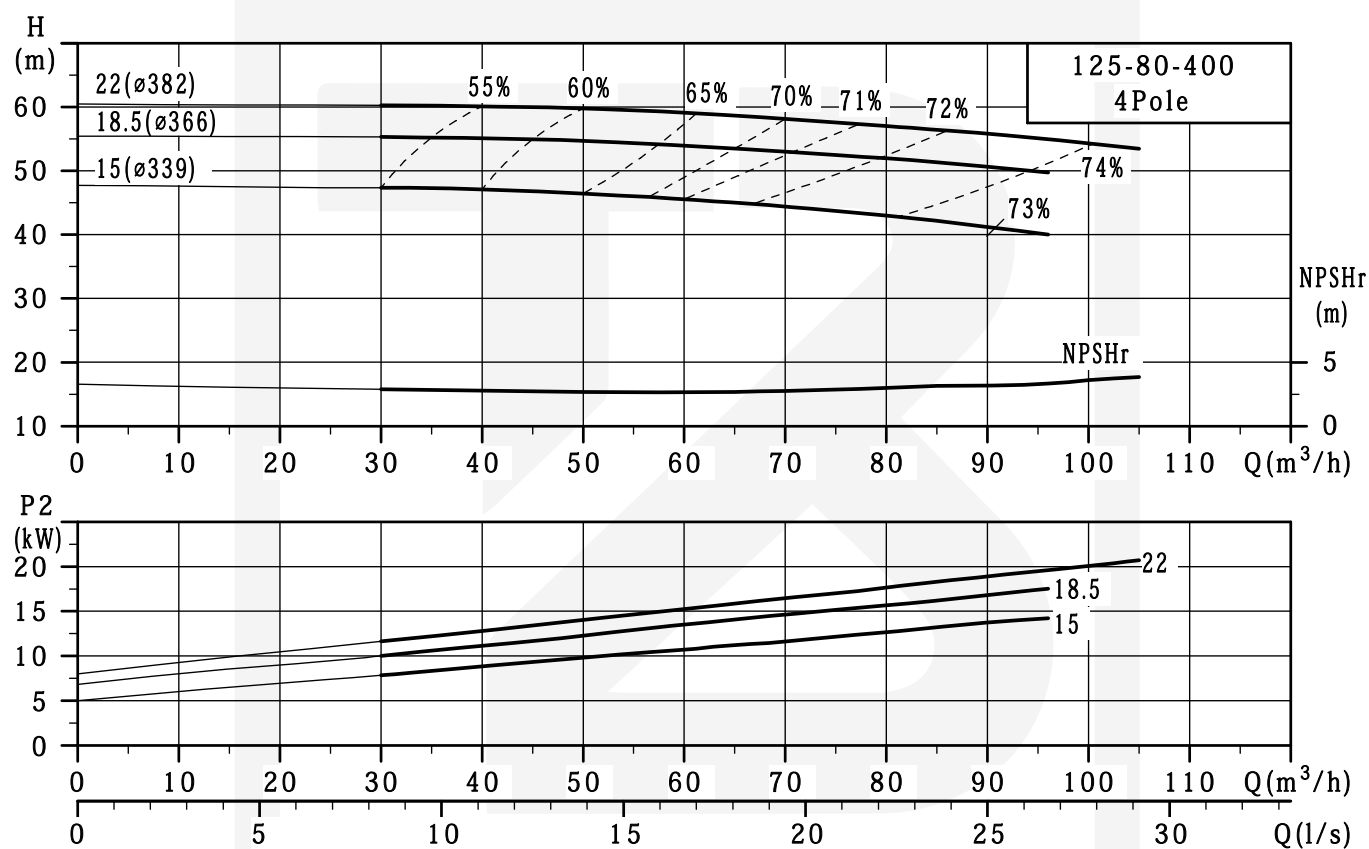


Model	Power (kW)	Q (m³/h)	30	40	50	60	70	80	90	100	105
125-80-315/11	11	H (m)	35.1	34.7	34.1	33.2	32.3	31	29.9	28.6	
125-80-315/15	15		40.8	40.6	40.3	39.7	39	38	36.9	35.8	35

NIS/NISF/NISO125-80-400

50Hz

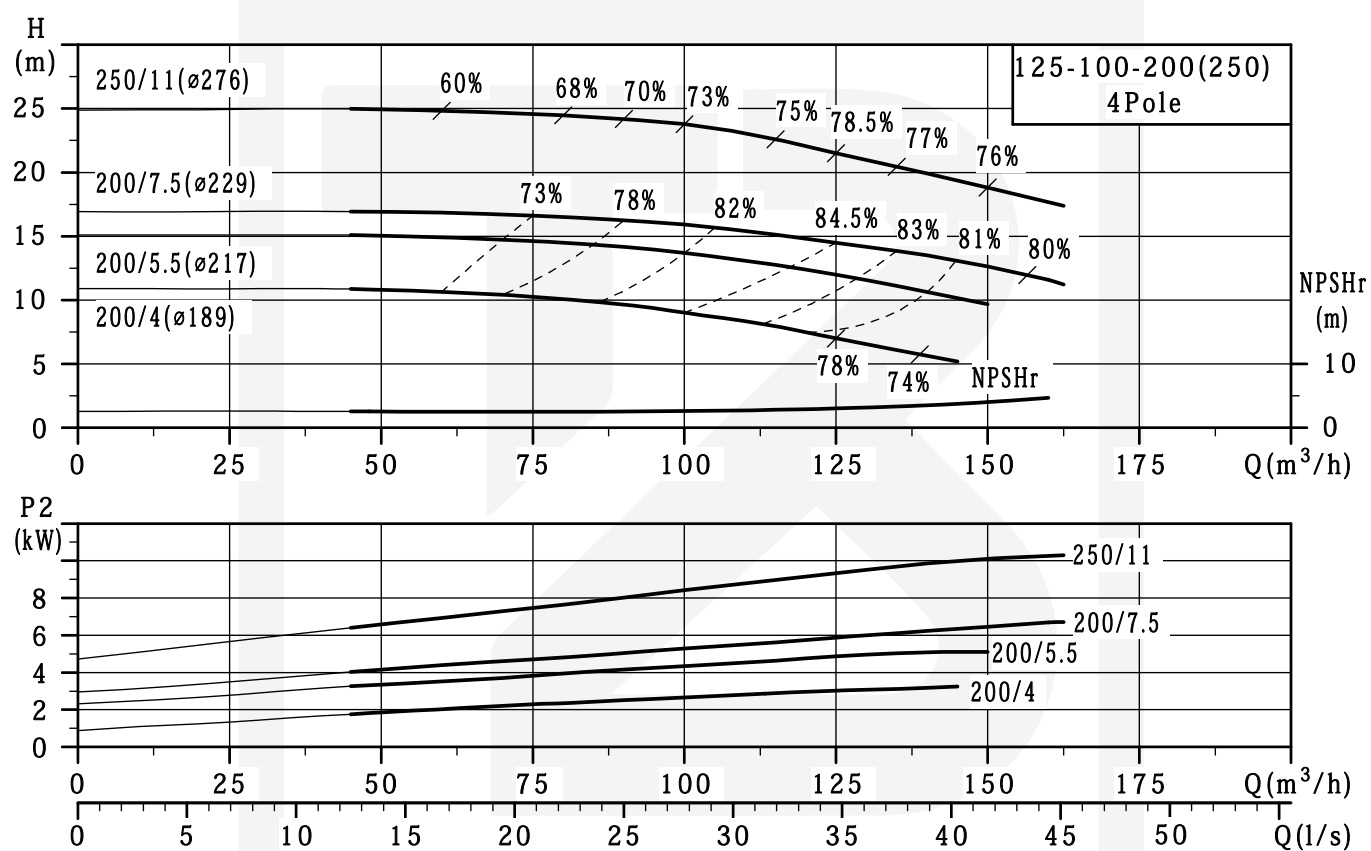
Performance curves



Model	Power (kW)	Q (m³/h)	30	40	50	60	70	80	90	96	105
125-80-400/15	15	H (m)	47.3	47.1	46.4	45.5	44.4	43	41.2	40	
125-80-400/18.5	18.5		55.3	55.1	54.7	53.9	53	52	50.6	49.7	
125-80-400/22	22		60.3	60.1	59.8	59.1	58.1	57	56.8	55	53.4

NIS/NISF/NISO125-100-200(250) 50Hz

Performance curves

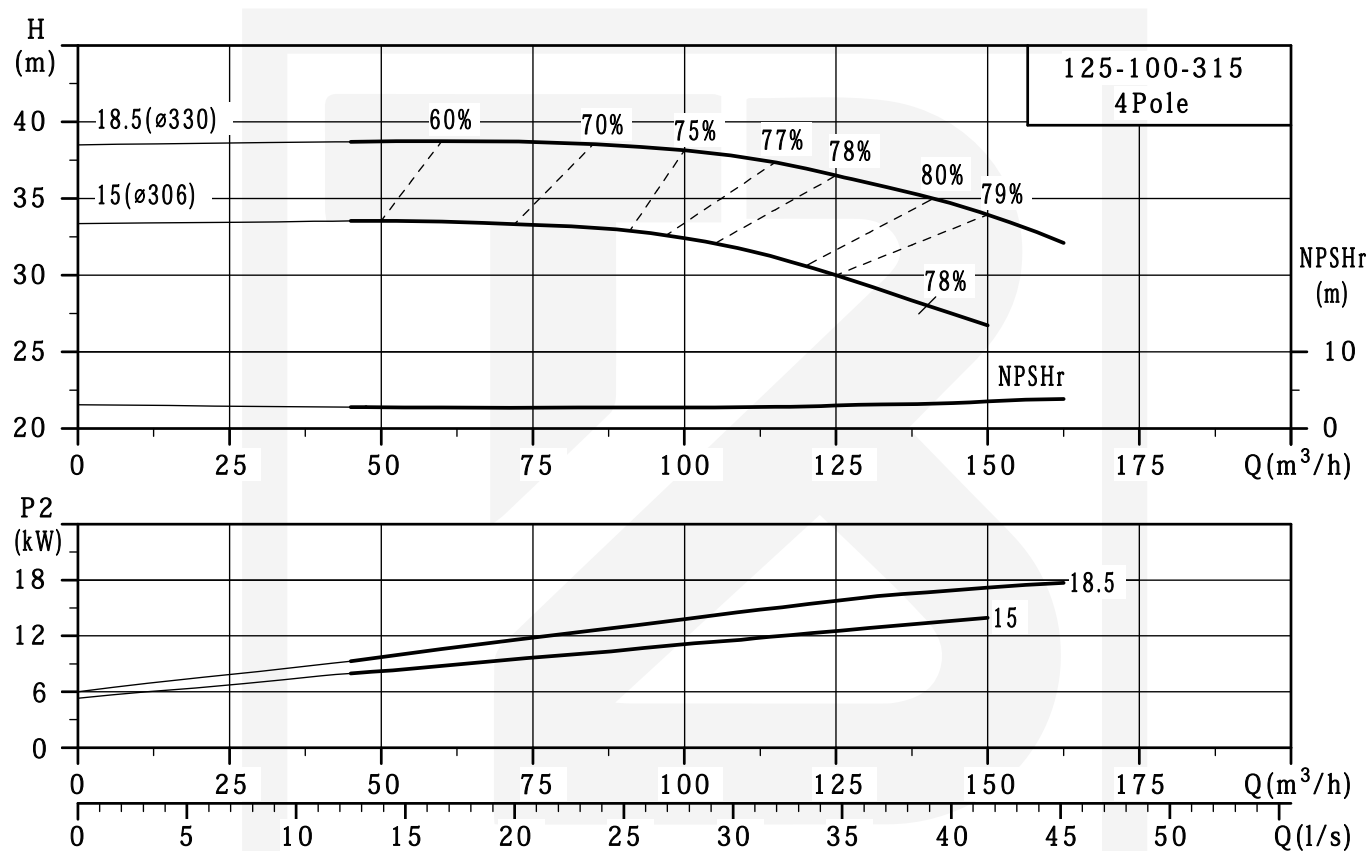


Model	Power (kW)	Q (m³/h)	50	62.5	75	87.5	100	112.5	125	137.5	145	150	162.5
125-100-200/4	4	H (m)	10.8	10.6	10.3	9.8	9	8.2	7	5.9	5.2		
125-100-200/5.5	5.5		15.1	14.9	14.6	14.3	13.7	12.9	12	10.9	10.2	9.7	
125-100-200/7.5	7.5		16.9	16.8	16.6	16.3	15.9	15.3	14.5	13.7	13.1	12.6	11.2
125-100-250/11	11		24.9	24.8	24.6	24.3	23.8	22.9	21.5	20.2	19.4	18.8	17.4

NIS/NISF/NISO125-100-315

50Hz

Performance curves

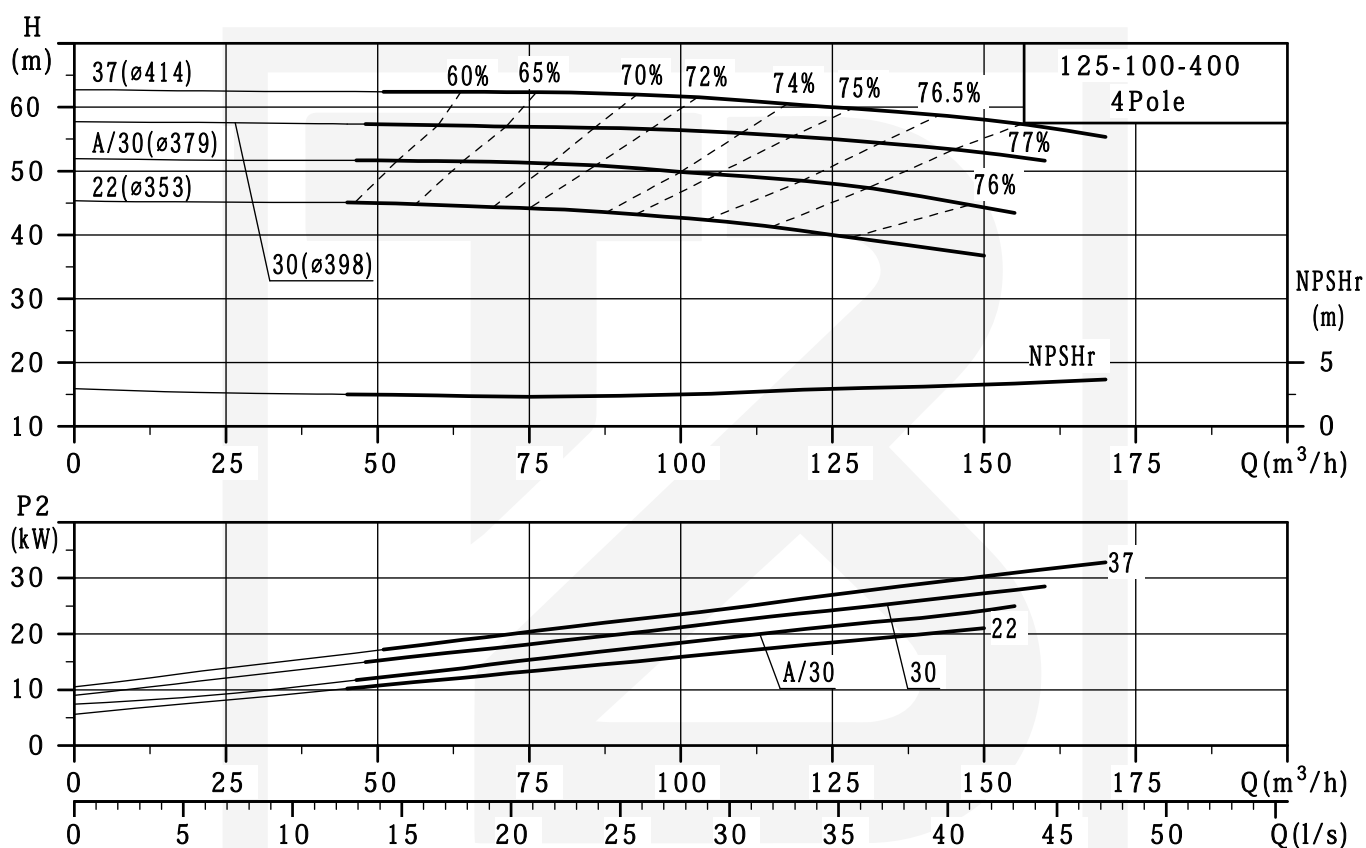


Model	Power (kW)	Q (m³/h)	50	62.5	75	87.5	100	112.5	125	137.5	150	162.5
125-100-315/15	15	H (m)	33.6	33.5	33.3	33	32.4	31.4	30	28.4	26.7	
125-100-315/18.5	18.5		38.8	38.7	38.6	38.5	38.1	37.6	36.5	35.4	34	32.1

NIS/NISF/NISO125-100-400

50Hz

Performance curves

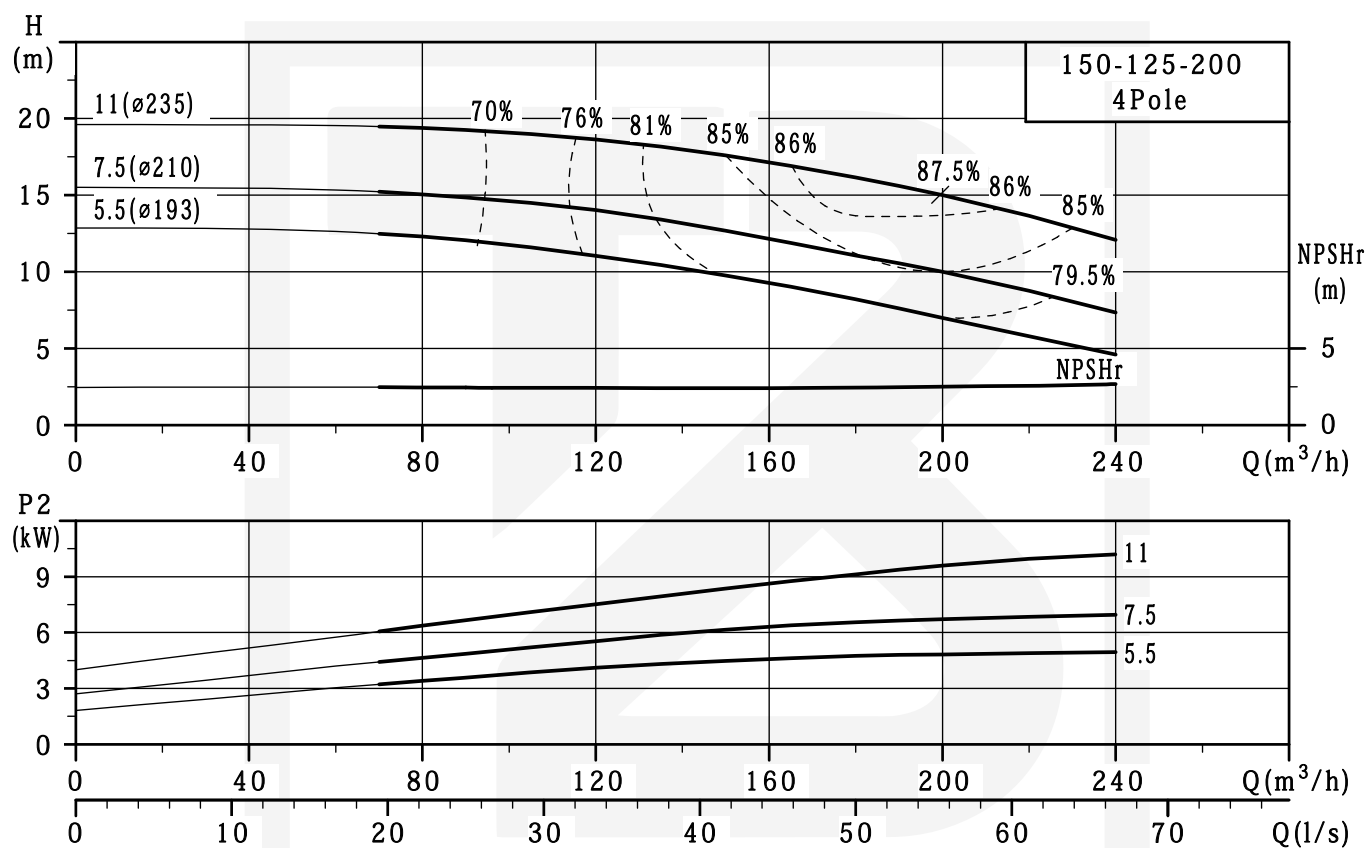


Model	Power (kW)	Q (m³/h)	50	62.5	75	87.5	100	112.5	125	137.5	150	155	160	170
125-100-400/22	22	H (m)	45	44.6	44.2	43.6	42.7	41.6	40	38.4	36.8			
125-100-400A/30	30		51.7	51.5	51.3	50.8	49.9	49.1	48	46.4	44.3	43.4		
125-100-400/30	30		57.3	57.1	56.9	56.8	56.4	55.8	55	54.1	53.9	52.3	51.6	
125-100-400/37	37		62.4	62.3	62.2	62.1	61.7	60.9	60	59.2	58.1	57.5	56.9	55.3

NIS/NISF/NISO150-125-200

50Hz

Performance curves

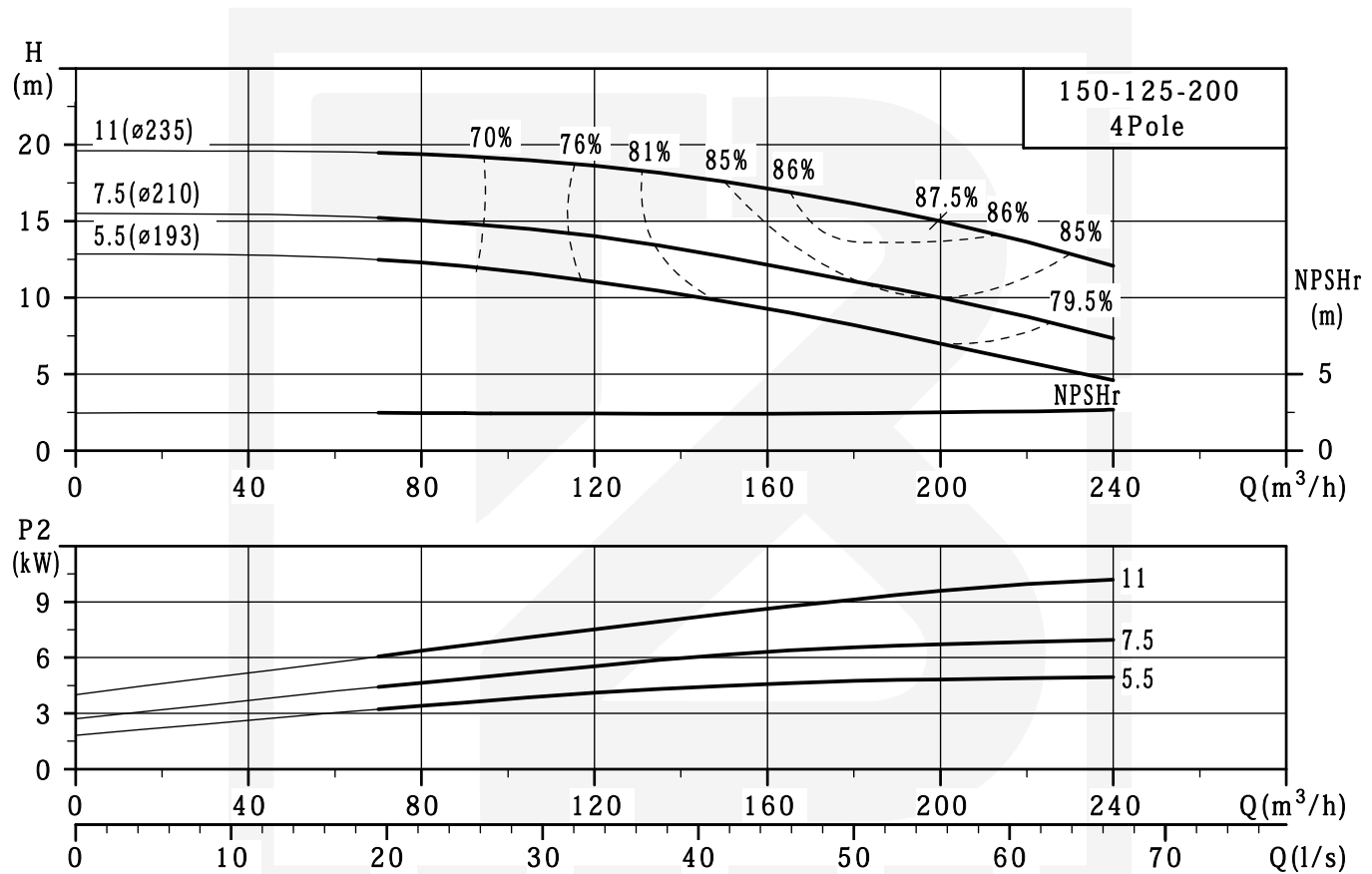


Model	Power (kW)	Q (m³/h)	60	80	100	120	140	160	180	200	220	240
150-125-200/5.5	5.5	H (m)	12.6	12.3	11.8	11.1	10.2	9.3	8.2	7	5.8	4.6
150-125-200/7.5	7.5		15.3	15	14.6	14	13.2	12.1	11.1	10	8.8	7.3
150-125-200/11	11		19.5	19.4	19.1	18.6	18	17.2	16.2	15	13.7	12.1

NIS/NISF/NISO150-125-250

50Hz

Performance curves

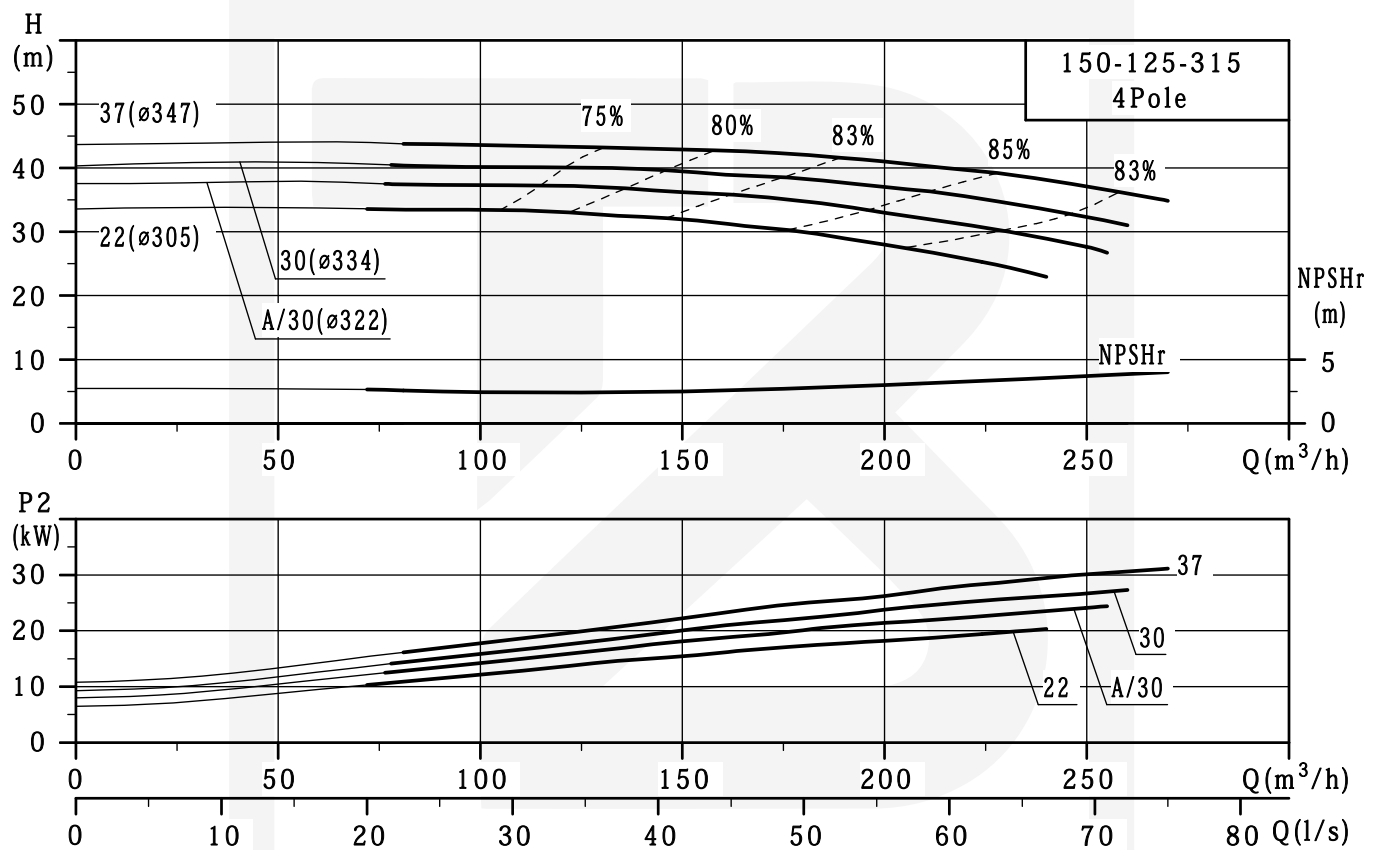


Model	Power (kW)	Q (m³/h)	50	75	100	125	150	175	200	225	240	250	260	270
150-125-250/15	15	H (m)	25.5	25.3	24.9	24.3	23.4	22	20	17.8	16.3	15.2	14	
150-125-250/18.5	18.5		28.7	28.6	28.4	27.9	27.3	26.4	25	23	21.6	20.6	19.8	18.8

NIS/NISF/NISO150-125-315

50Hz

Performance curves

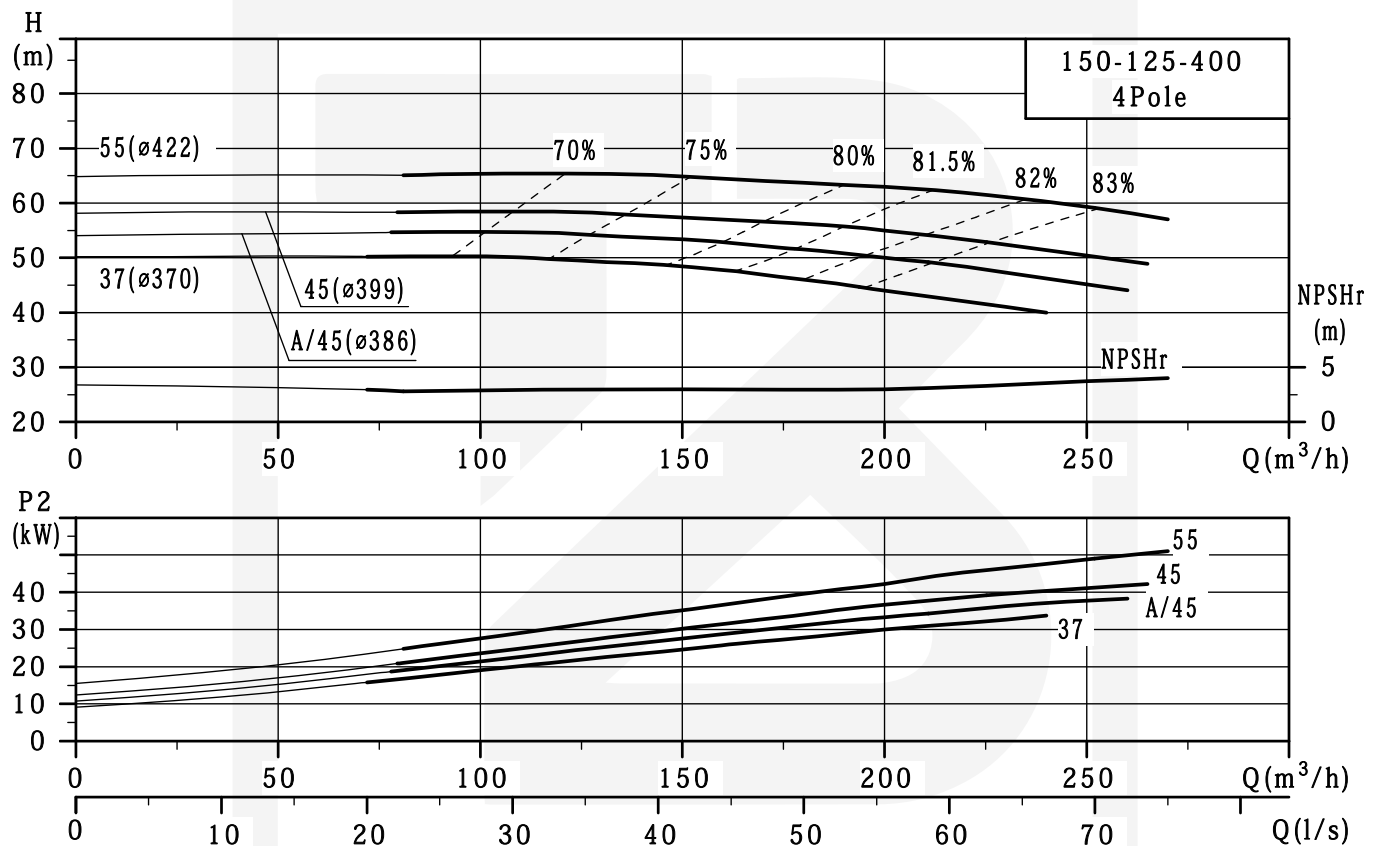


Model	Power (kW)	Q (m³/h)	75	100	125	150	175	200	225	240	250	255	260	270
150-125-315/22	22	H (m)	33.5	33.4	32.9	32	30.4	28	25.2	22.9				
150-125-315A/30	30		37.6	37.3	37.2	36.2	35.1	33	30.6	28.9	27.7	26.7		
150-125-315/30	30		40.6	40.1	40	39.5	38.5	37	35.1	33.5	32.3	31.7	31	
150-125-315/37	37		43.8	43.6	43.3	42.9	42.3	41	39.4	38.1	37.1	36.6	36	34.9

NIS/NISF/NISO150-125-400

50Hz

Performance curves

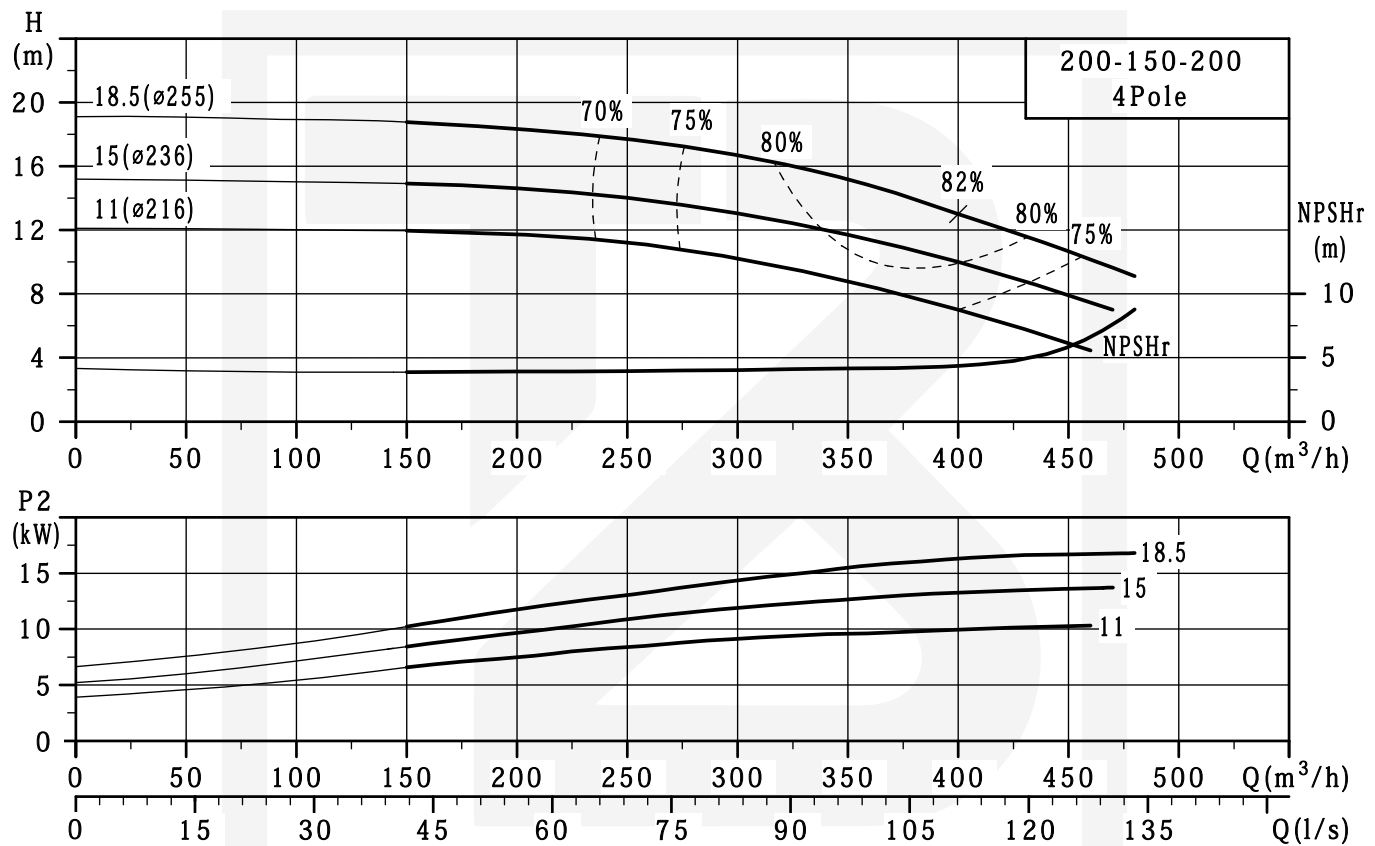


Model	Power (kW)	Q (m³/h)	75	100	125	150	175	200	225	240	250	260	265	270
150-125-400/37	37	H (m)	50.2	50.3	49.5	48.5	46.5	44	41.6	40				
150-125-400A/45	45		54.6	54.7	54.3	53.4	51.8	50	47.9	46.2	45.2	44.1		
150-125-400/45	45		58.3	58.5	58.3	57.4	56.4	55	52.9	51.4	50.4	49.4	48.9	
150-125-400/55	55		65.1	65.4	65.3	64.9	63.9	63	61.5	60.3	59.3	58.3	57.7	57

NIS/NISF/NISO200-150-200

50Hz

Performance curves

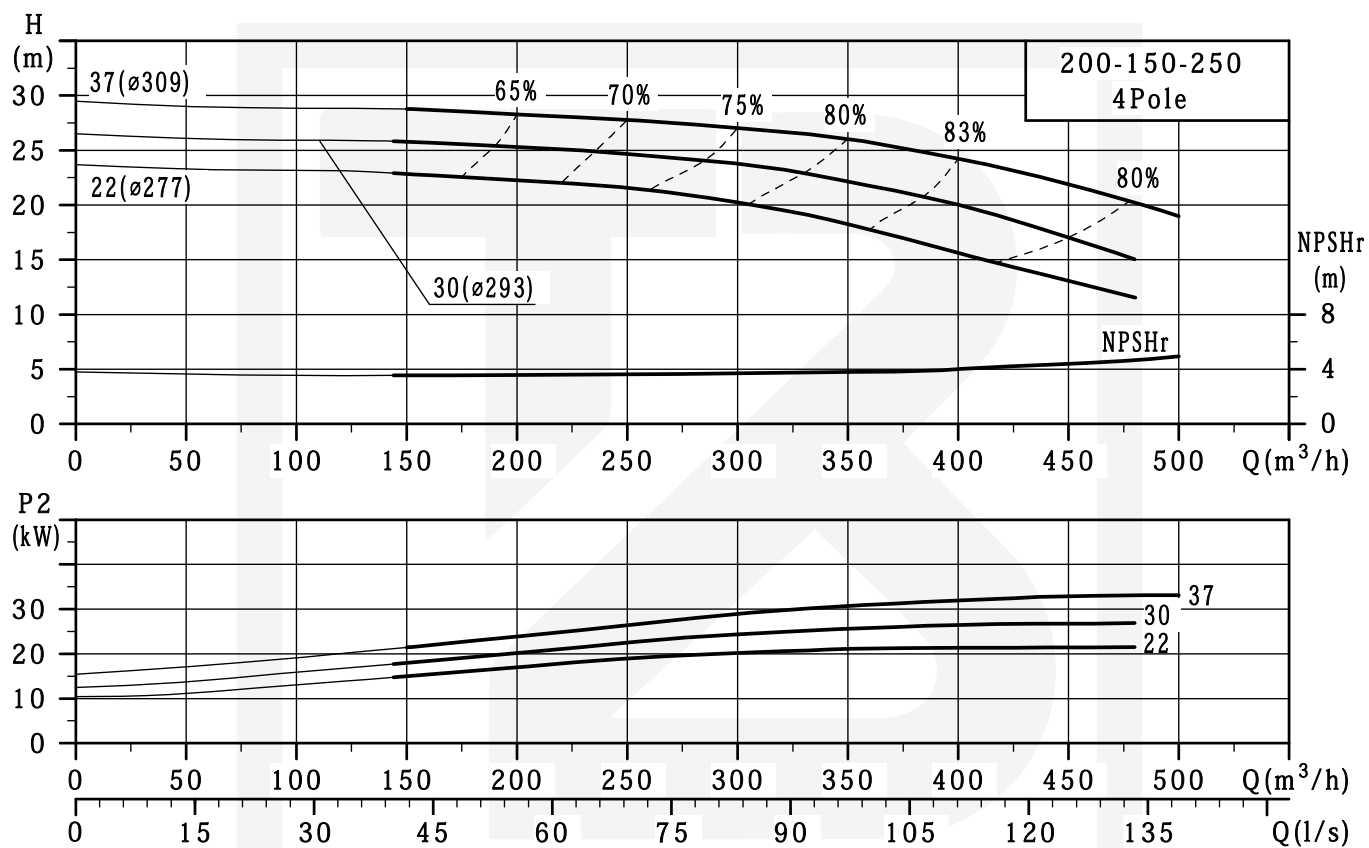


Model	Power (kW)	Q (m³/h)	150	200	250	300	350	400	450	460	470	480
200-150-200/11	11	H (m)	12	11.7	11.2	10.2	8.8	7	4.9	4.5		
200-150-200/15	15		14.9	14.6	14	13	11.7	10	7.9	7.5	7	
200-150-200/18.5	18.5		18.8	18.3	17.7	16.7	15.2	13	10.7	10.2	9.6	9.1

NIS/NISF/NISO200-150-250

50Hz

Performance curves

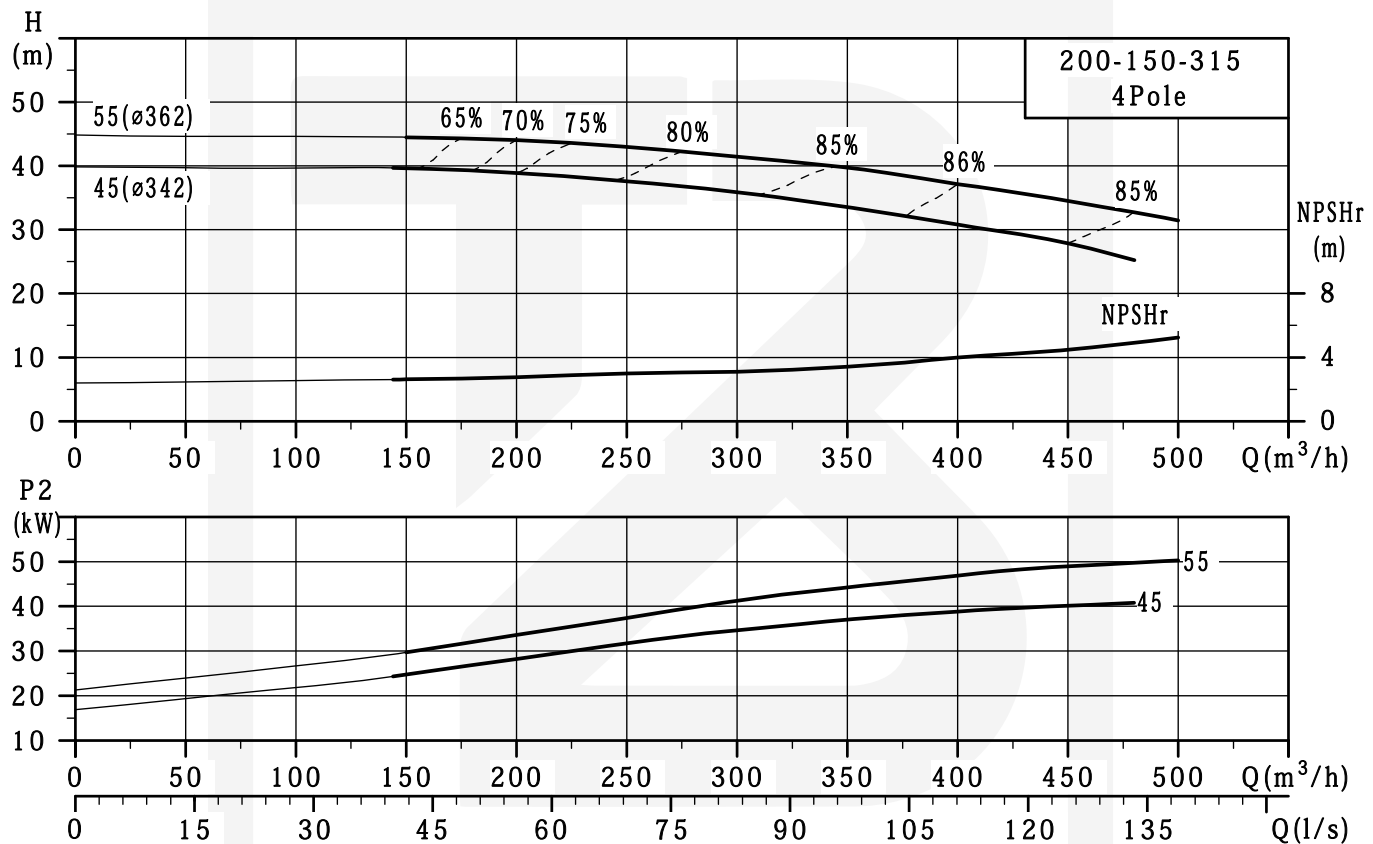


Model	Power (kW)	Q (m³/h)	150	200	250	300	350	400	450	480	500
200-150-250/22	22		22.9	22.3	21.6	20.2	18.3	15.5	13.1	11.5	
200-150-250/30	30		25.8	25.3	24.7	23.8	22.1	20	17	15.1	
200-150-250/37	37		28.8	28.3	27.8	27.1	26	24	21.9	20.2	19

NIS/NISF/NISO200-150-315

50Hz

Performance curves

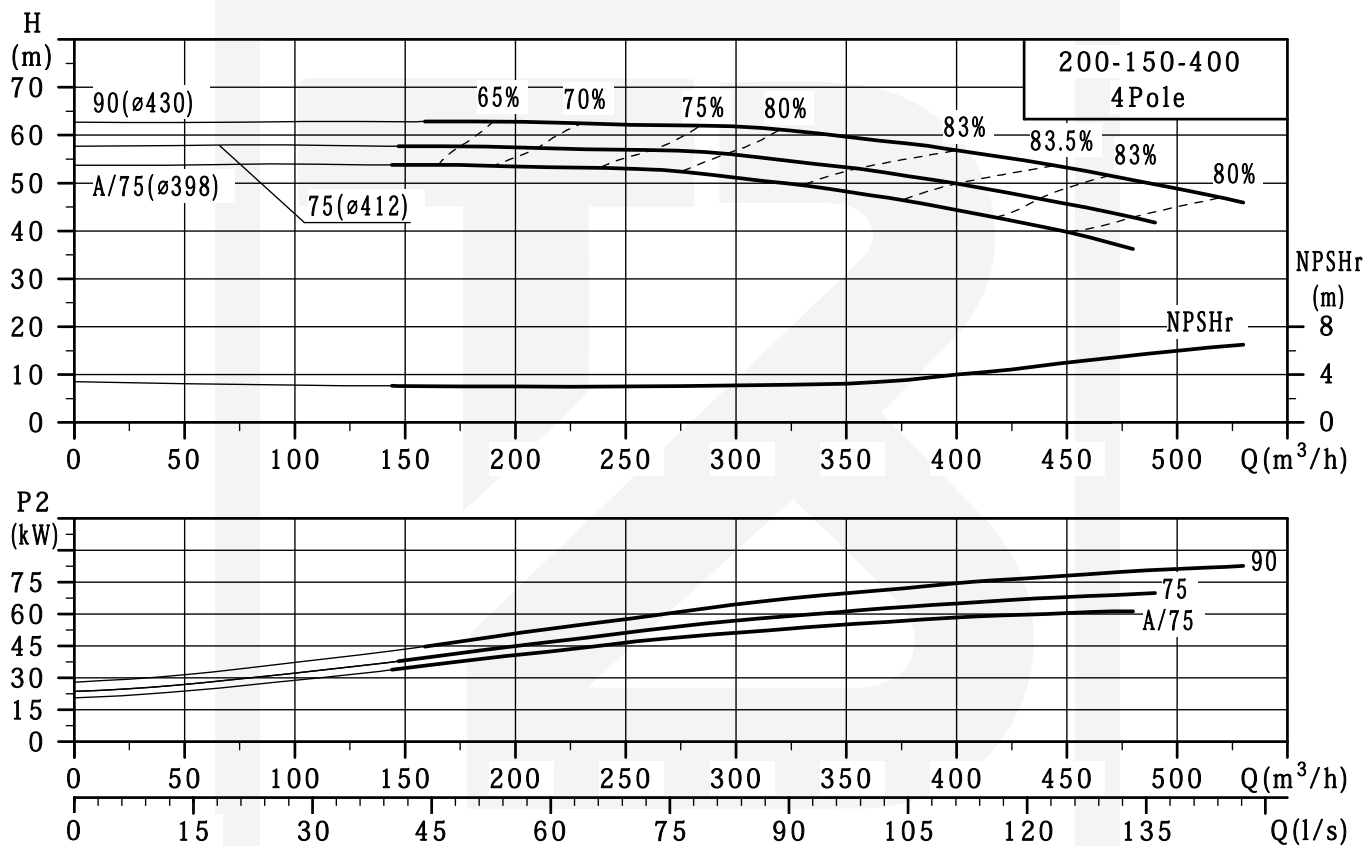


Model	Power (kW)	Q (m³/h)	150	200	250	300	350	400	450	480	500
200-150-315/45	45	H (m)	39.6	38.9	37.6	35.9	33.5	31	27.9	25.2	
200-150-315/55	55		44.5	44	43	41.5	39.7	37	34.5	32.7	31.4

NIS/NISF/NISO200-150-400

50Hz

Performance curves

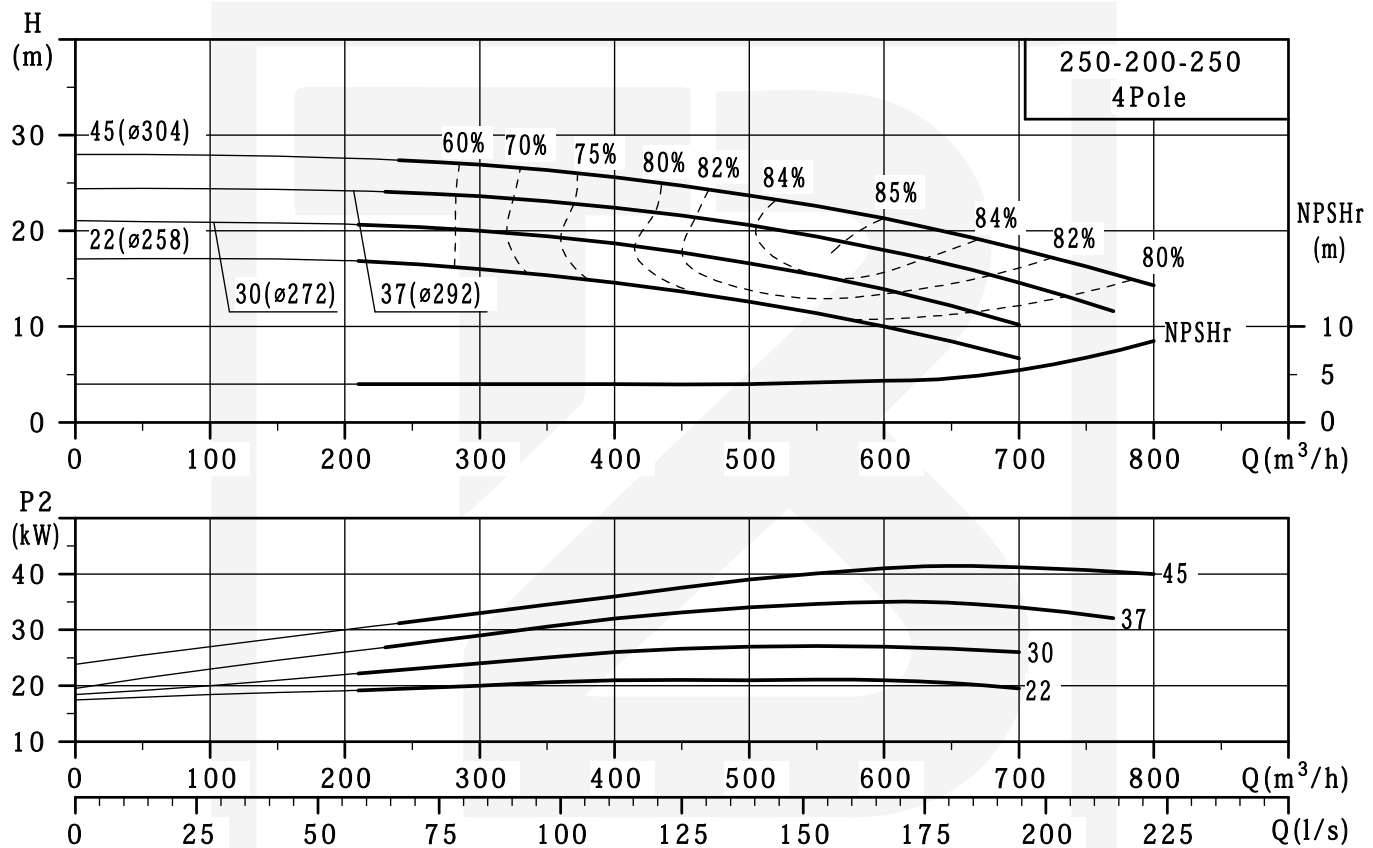


Model	Power (kW)	Q (m³/h)	150	200	250	300	350	400	450	480	490	500	530
200-150-400A/75	75		53.8	53.5	53.1	51.1	48.2	44	39.8	36.2			
200-150-400/75	75	H (m)	57.7	57.5	57	55.9	53.3	50	45.6	42.9	41.8		
200-150-400/90	90		62.8	62.8	62.2	61.8	59.6	57	53.3	50.6	49.8	48.9	45.9

NIS/NISF/NISO250-200-250

50Hz

Performance curves

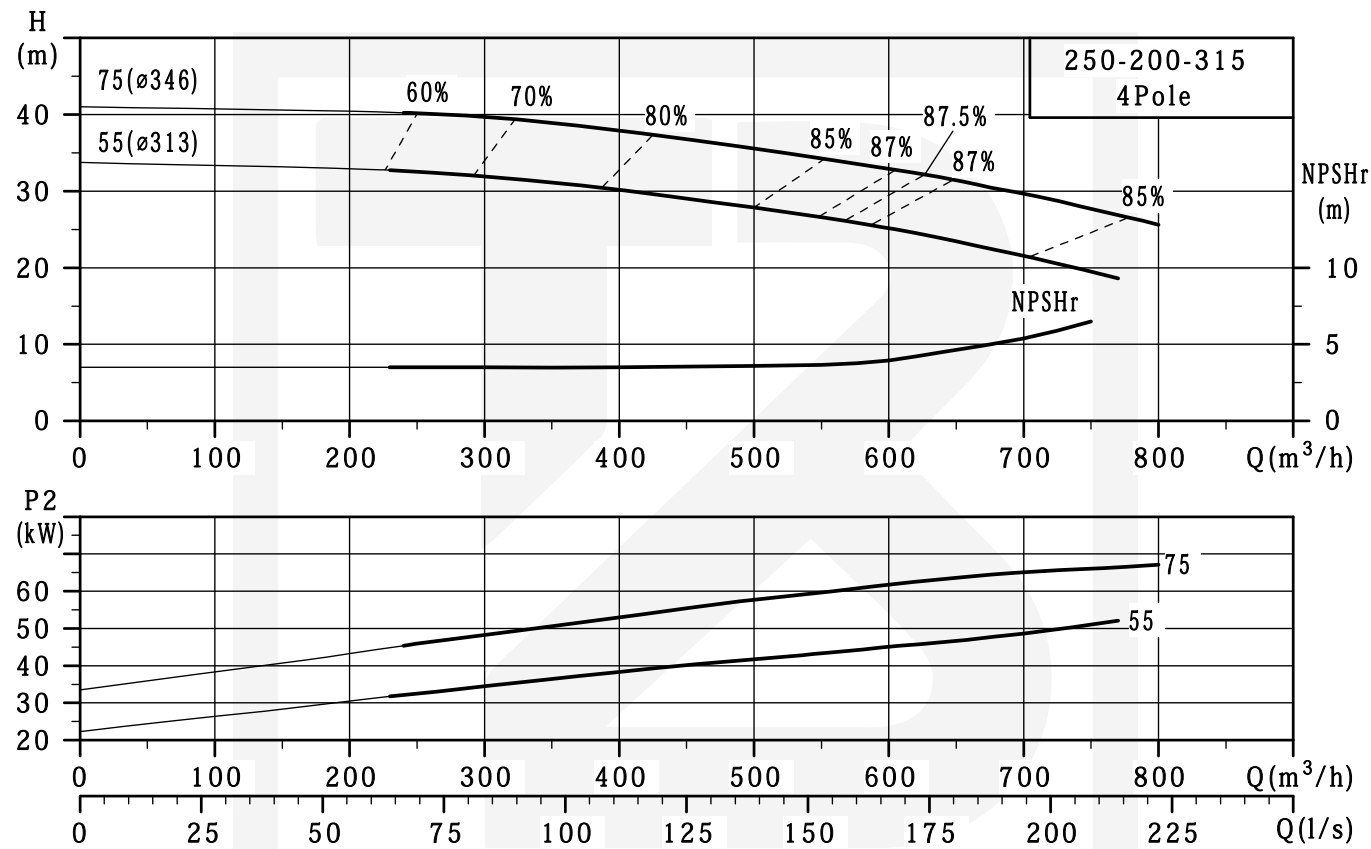


Model	Power (kW)	Q (m³/h)	200	250	300	350	400	450	500	550	600	640	700	750	770	800
250-200-250/22	22	H (m)	16.9	16.5	16	15.4	14.6	13.7	12.5	11.4	10	8.8	6.7			
250-200-250/30	30		20.7	20.4	20	19.4	18.7	17.7	16.5	15.3	13.9	12.6	10.2			
250-200-250/37	37		24.2	23.9	23.6	23.1	22.4	21.6	20.6	19.4	18	17	14.6	12.5	11.6	
250-200-250/45	45		27.6	27.3	26.9	26.3	25.6	24.7	23.7	22.6	21.3	20	18.1	16.3	15.5	14.3

NIS/NISF/NISO250-200-315

50Hz

Performance curves

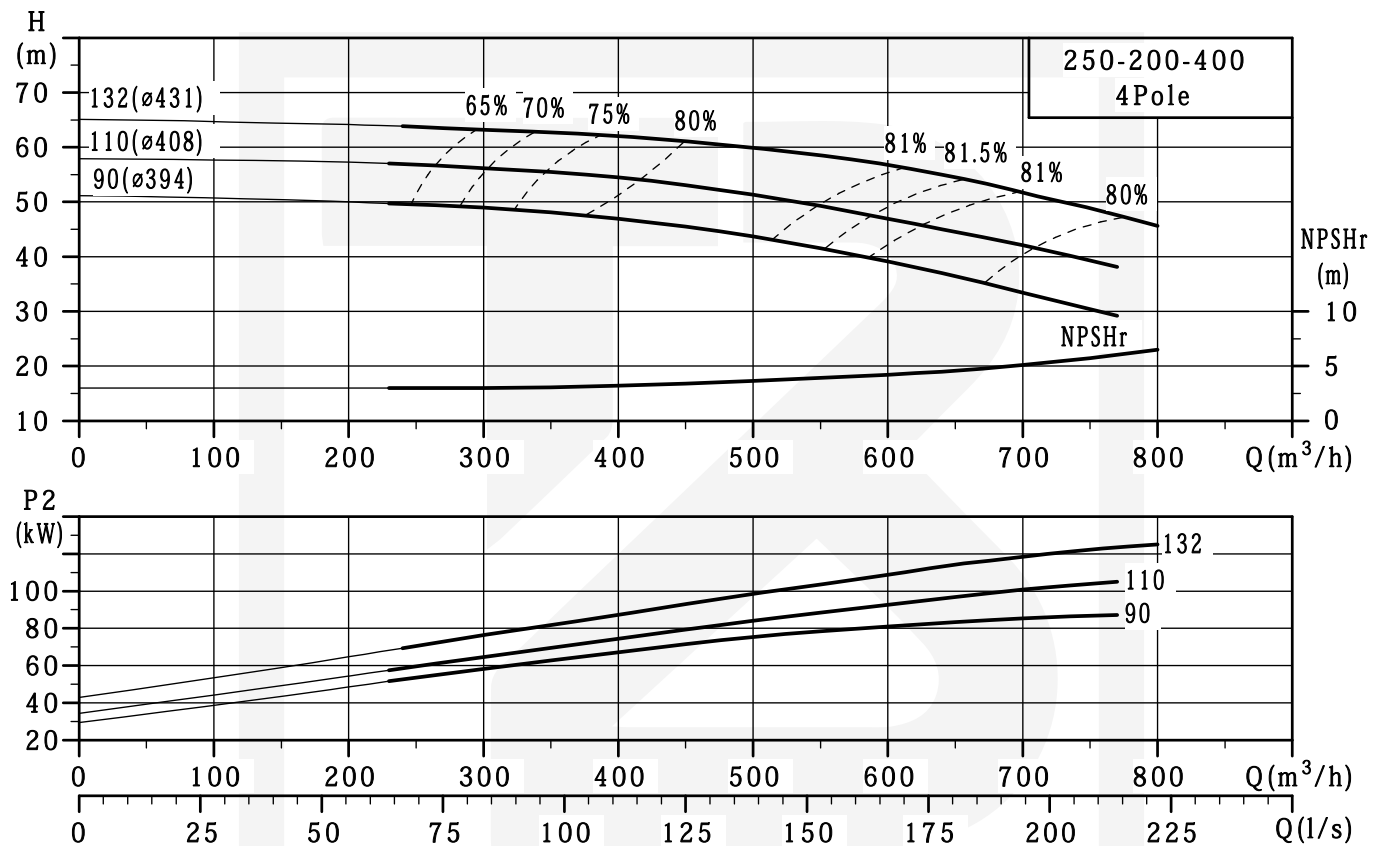


Model	Power (kW)	Q (m³/h)														
			200	250	300	350	400	450	500	550	600	640	700	750	770	800
250-200-315/55	55	H (m)	33	32.5	31.9	31.1	30.2	29	27.9	26.6	25.2	24	21.6	19.5	18.6	
250-200-315/75	75		40.4	40.1	39.7	38.9	37.9	36.8	35.6	34.3	32.9	32	29.7	27.7	26.9	25.6

NIS/NISF/NISO250-200-400

50Hz

Performance curves

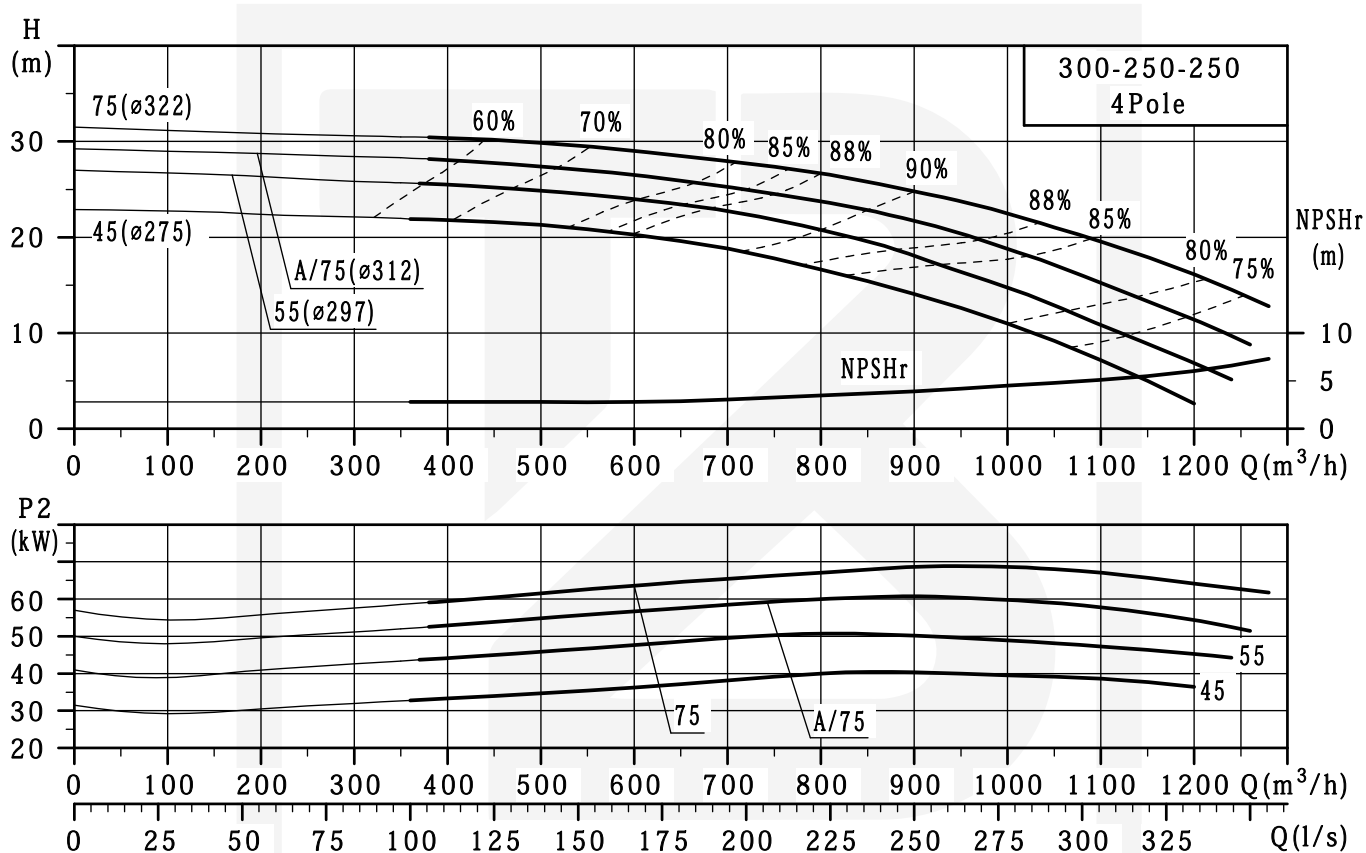


Model	Power (kW)	Q (m³/h)	200	250	300	350	400	450	500	550	600	640	700	750	770	800
250-200-400/90	90	H (m)	50	49.6	49	48.1	47	45.5	43.7	41.5	39.1	37	33.4	30.4	29.2	
250-200-400/110	110		57.3	56.8	56.2	55.5	54.5	53.1	51.3	49.3	46.9	45	42.1	39.1	38.1	
250-200-400/132	132		64.1	63.7	63.2	62.7	62	61.1	59.9	58.5	56.8	54	51.7	48.9	47.6	45.6

NIS/NISF/NISO300-250-250

50Hz

Performance curves

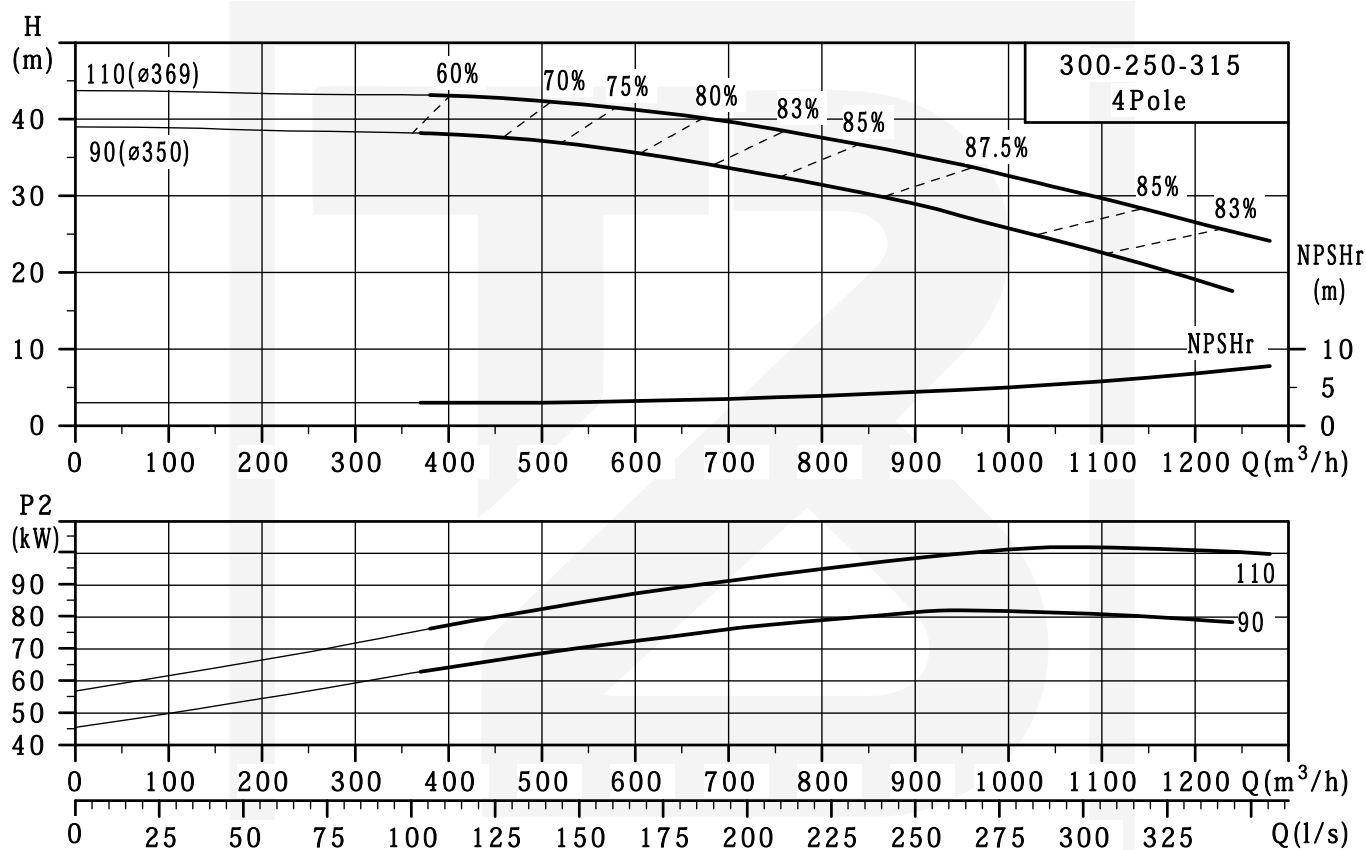


Model	Power (kW)	Q (m³/h)	400	500	600	700	800	900	1000	1100	1200	1240	1260	1280
300-250-250/45	45	H (m)	21.8	21.3	20.3	18.8	16.6	14.1	11	7.2	2.6			
300-250-250/55	55		25.5	24.9	24	22.7	20.8	18.1	15	10.9	6.9	5.1		
300-250-250A/75	75		28.1	27.4	26.5	25.3	23.8	21.7	18.5	15.2	11.4	9.7	8.8	
300-250-250/75	75		30.4	29.9	29	28	26.7	24.8	22.5	19.6	16.1	14.5	13.7	12.8

NIS/NISF/NISO300-250-315

50Hz

Performance curves

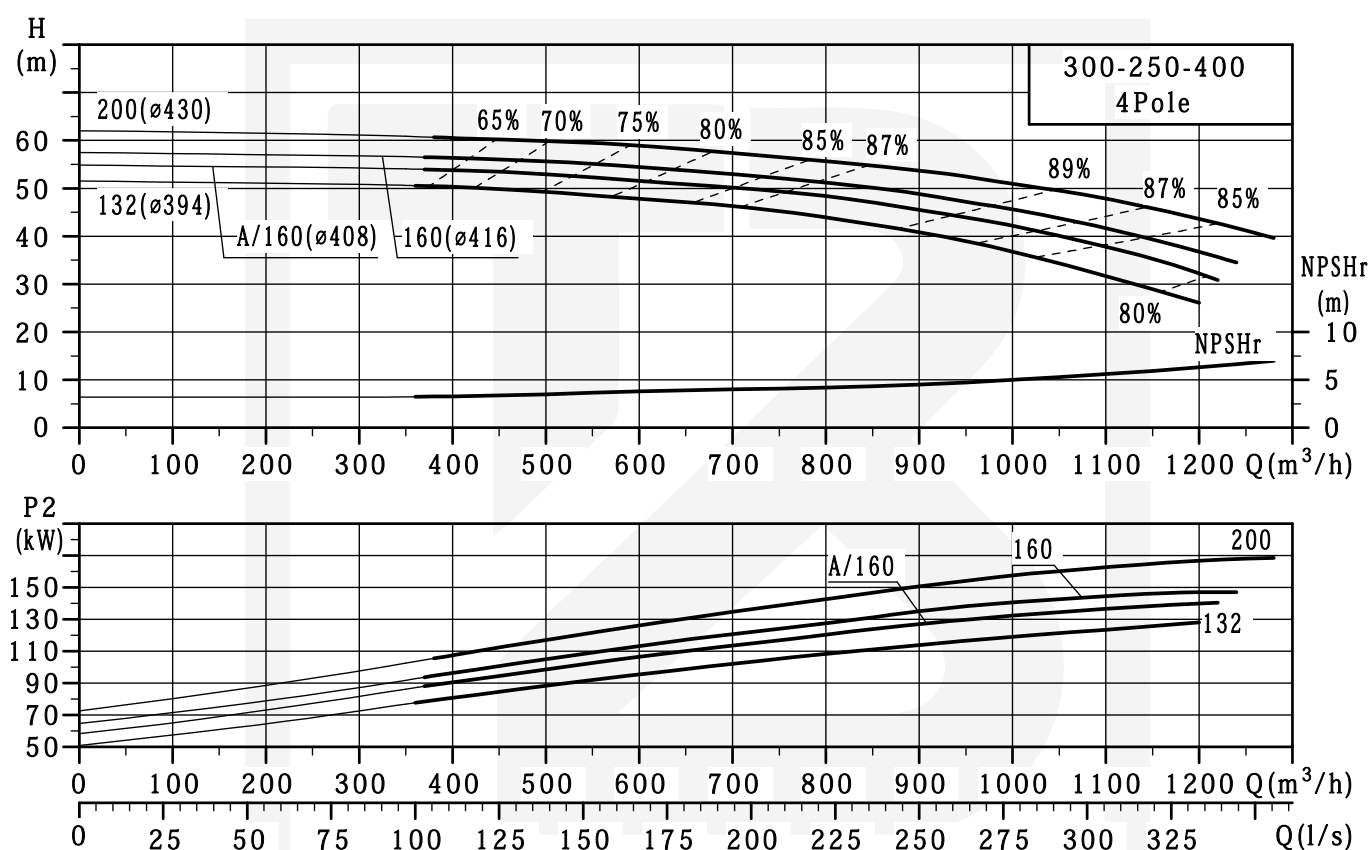


Model	Power (kW)	Q (m³/h)	400	500	600	700	800	900	1000	1100	1200	1240	1280
300-250-315/90	90	H (m)	38.1	37.2	35.7	33.6	31.5	29	26	22.6	19.1	17.6	
300-250-315/110	110	H (m)	43.1	42.4	41.3	39.7	37.6	35.4	32.5	29.7	26.6	25.3	24.1

NIS/NISF/NISO300-250-400

50Hz

Performance curves

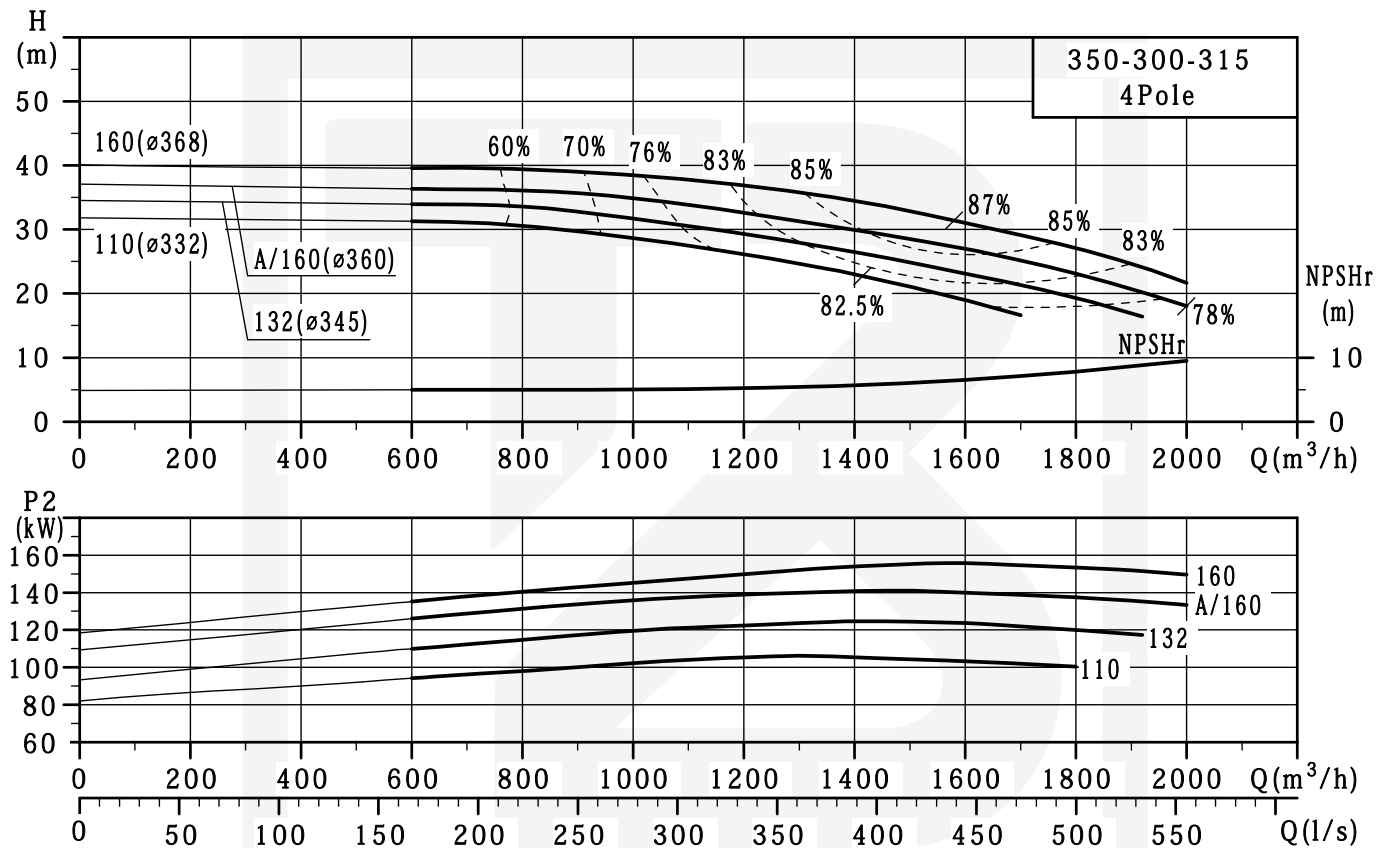


Model	Power (kW)	Q (m³/h)	400	500	600	700	800	900	1000	1100	1200	1220	1240	1280
300-250-400/132	132	H (m)	50.3	49.3	47.8	46.3	43.9	40.8	37	31.7	26.1			
300-250-400A/160	160		53.8	52.9	51.6	50.1	48.4	45.5	42	37.8	32.2	30.8		
300-250-400/160	160		56.4	55.7	54.5	52.9	51.2	48.8	46	41.7	36.7	35.6	34.5	
300-250-400/200	200		60.5	59.9	58.9	57.4	55.7	53.7	51	47.8	43.6	42.7	41.7	39.6

NIS/NISF/NISO350-300-315

50Hz

Performance curves

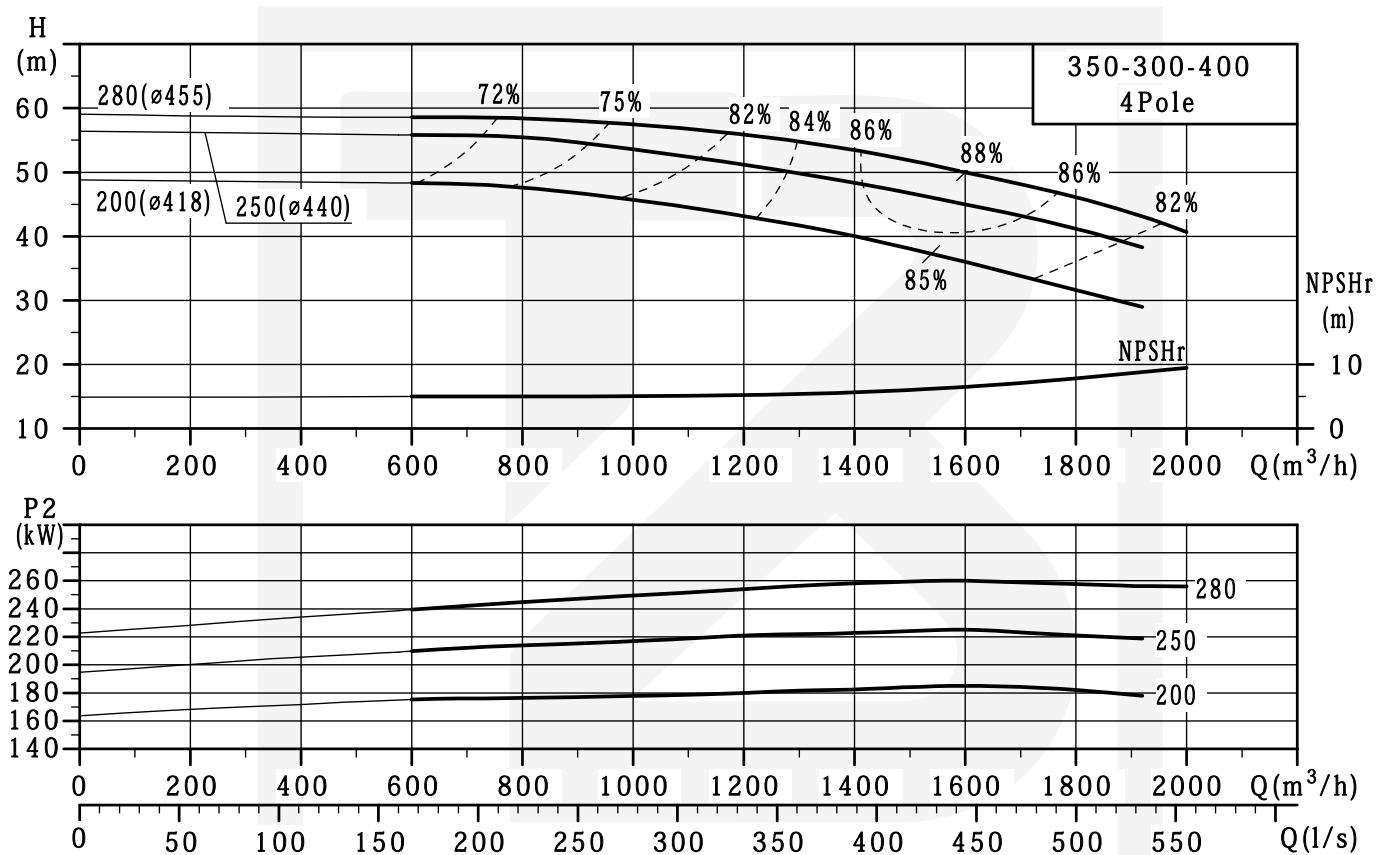


Model	Power (kW)	Q (m³/h)	600	800	1000	1200	1400	1600	1700	1800	1920	2000
350-300-315/110	110	H (m)	31.3	30.6	28.7	26.1	23	19	16.6			
350-300-315/132	132		34	33.6	31.7	29.3	26.5	23	21.4	19.3	16.4	
350-300-315A/160	160		36.3	36.1	34.9	32.6	30	27	25.2	23	20.2	18
350-300-315/160	160		39.6	39.4	38.5	36.9	34.5	31	29.1	27	24.1	21.7

NIS/NISF/NISO350-300-400

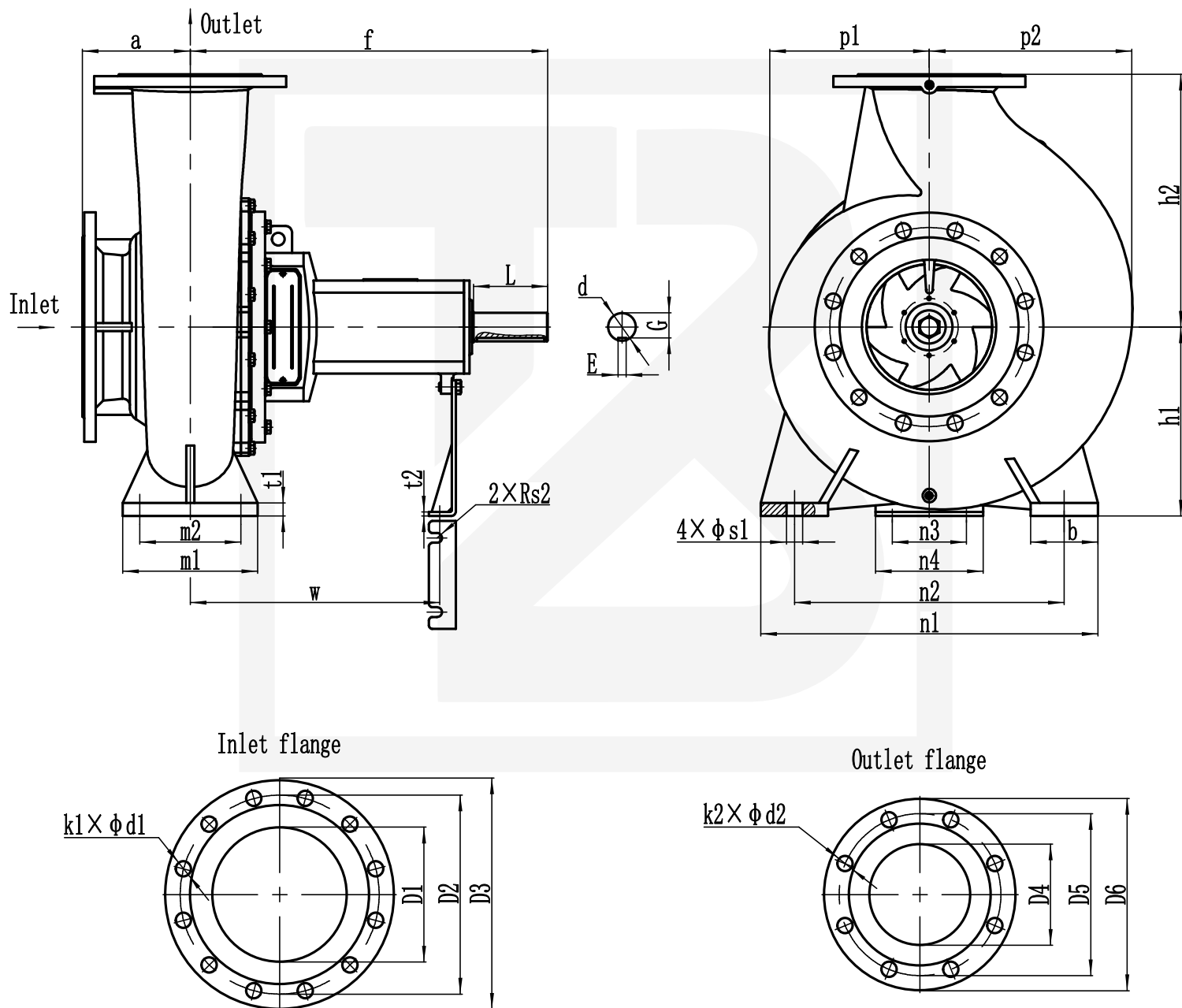
50Hz

Performance curves



Model	Power (kW)	Q (m³/h)	600	800	1000	1200	1400	1600	1800	1920	2000
350-300-400/200	200	H (m)	48.3	47.7	45.7	43.2	40	36	31.6	29	
350-300-400/250	250		55.8	55.5	53.6	51.2	48.3	45	41.2	38.3	
350-300-400/280	280		58.6	58.4	57.5	55.9	53.5	50	46.1	43.1	40.7

NISO Dimensional drawings





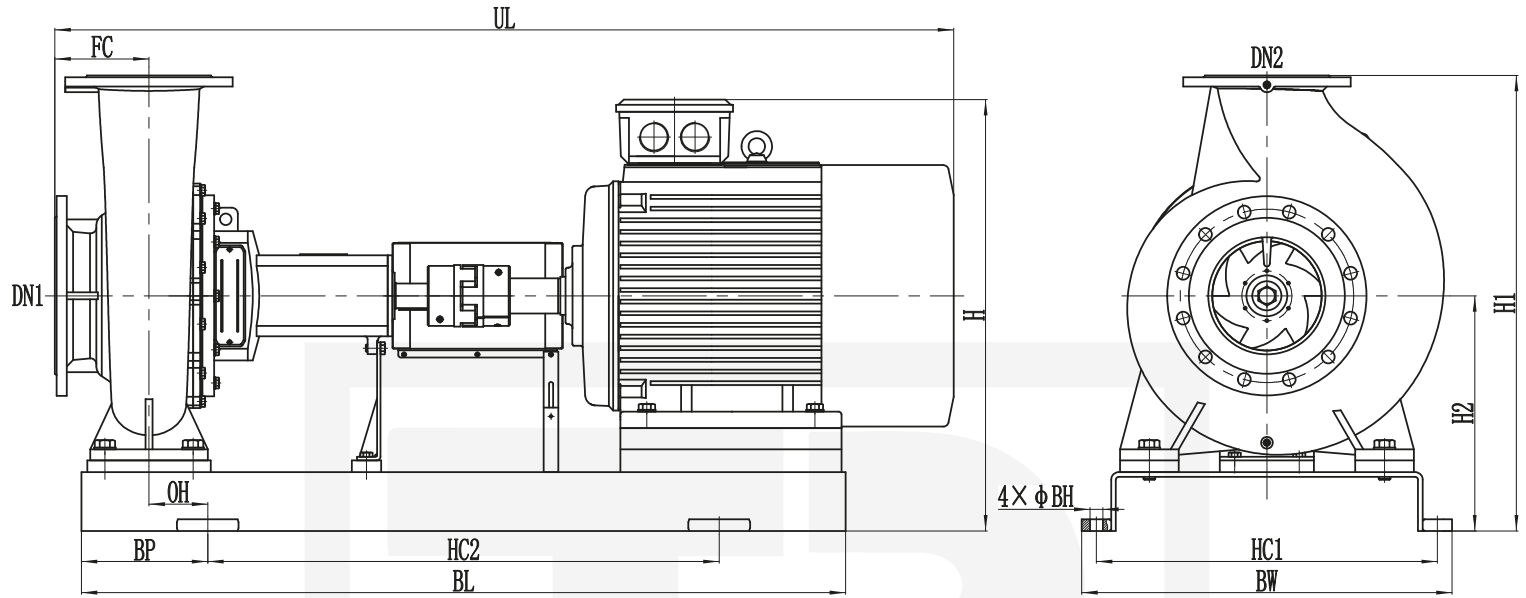
NISO Dimensional tables

SN	Model	Dimensions (mm)							Base frame and dimensions (mm)										
		a	f	h1	h2	b	p1	p2	m1	m2	n1	n2	n3	n4	t1	t2	w	s1	s2
1	50-32-125	80	385	112	140	50	101	101	100	70	190	140	110	160	13	4	285	14.5	14.5
2	50-32-160	80	385	132	160	50	120	120	100	70	240	190	110	160	12	4	285	14.5	14.5
3	50-32-200	80	385	160	180	50	131	131	100	70	240	190	110	160	12	4	285	14.5	14.5
4	50-32-250	100	500	180	225	65	162	162	125	95	320	250	110	160	13	4	370	14.5	14.5
5	65-50-125	80	385	112	140	50	100	105	100	70	210	160	110	160	12	4	285	14.5	14.5
6	65-50-160	80	385	132	160	50	120	120	100	70	240	190	110	160	12	4	285	14.5	14.5
7	65-40-200	100	385	160	180	50	131	131	100	70	265	212	110	160	13	4	285	14.5	14.5
8	65-40-250	100	500	180	225	65	152	152	125	95	320	250	110	160	14	4	370	14.5	14.5
9	65-40-315	125	500	200	250	65	183	183	125	95	345	280	110	160	14	6	370	14.5	14.5
10	80-65-125	100	385	132	160	50	105	126	100	70	240	190	110	160	12	4	285	14.5	14.5
11	80-65-160	100	385	160	180	50	120	134	100	70	265	212	110	160	12	4	285	14.5	14.5
12	80-50-200	100	385	160	200	50	131	144	100	70	265	212	110	160	12	4	285	14.5	14.5
13	80-50-250	125	500	180	225	65	154	166	125	95	320	250	110	160	14	5	370	14.5	14.5
14	80-50-315	125	500	225	280	65	183	191	125	95	345	280	110	160	16	5	370	14.5	14.5
15	100-80-125	100	385	160	180	65	114	143	125	95	280	212	110	160	12	4	285	14.5	14.5
16	100-80-160	100	500	160	200	65	129	155	125	95	280	212	110	160	12	5	370	14.5	14.5
17	100-65-200	100	500	180	225	65	144	159	125	95	320	250	110	160	15	5	370	14.5	14.5
18	100-65-250	125	500	200	250	80	174	187	160	120	360	280	110	160	15	6	370	18.5	14.5
19	100-65-315	125	530	225	280	80	201	214	160	120	400	315	110	160	17	6	370	18.5	14.5
20	125-80-160	100	500	180	225	65	137	169	125	95	320	250	110	160	12	5	370	14.5	14.5
21	125-80-200	125	500	180	250	65	157	184	125	95	345	280	110	160	16	6	370	14.5	14.5
22	125-80-250	125	500	225	280	80	180	203	160	120	400	315	110	160	18	5	370	18.5	14.5
23	125-80-315	125	530	250	315	80	200	218	160	120	400	315	110	160	16	6	370	18.5	14.5
24	125-80-400	125	530	280	355	80	230	245	160	120	435	355	110	160	18	6	370	18.5	14.5
25	125-100-125	125	500	200	280	80	157	203	160	120	360	280	110	160	14	6	370	18.5	14.5
26	125-100-160	125	500	200	280	80	158	203	160	120	360	280	110	160	14	6	370	18.5	14.5
27	125-100-200 (L)	125	500	200	280	80	167	202	160	120	360	280	110	160	16	6	370	18.5	14.5
28	125-100-250 (L)	140	530	225	280	80	192	223	160	120	400	315	110	160	18	6	370	18.5	14.5
29	125-100-315 (L)	140	530	250	315	80	211	235	160	120	400	315	110	160	18	6	370	18.5	14.5
30	125-100-400	140	530	280	355	100	251	274	200	150	500	400	110	160	19	6	370	24	14.5
31	150-125-200	140	500	250	300	80	178	219	160	120	400	315	110	160	18	6	370	18.5	14.5
32	150-125-250	140	530	250	355	80	213	253	160	120	400	315	110	160	18	6	370	18.5	14.5
33	150-125-315	140	530	280	355	100	230	265	200	150	500	400	110	160	20	6	370	24	14.5
34	150-125-400	140	530	315	400	100	267	298	200	150	500	400	110	160	20	6	370	24	14.5
35	200-150-200	160	530	280	375	100	230	301	200	150	500	400	110	160	15	6	370	24	14.5
36	200-150-250	160	530	280	375	100	238	301	200	150	500	400	110	160	19	6	370	24	14.5
37	200-150-315	160	670	315	400	100	257	308	200	150	550	450	140	190	23	10	500	24	18.5
38	200-150-400	160	670	315	450	100	290	342	200	150	550	450	140	190	23	10	500	24	18.5
39	250-200-250	180	670	315	450	120	255	327	250	200	600	500	140	190	23	10	500	24	18.5
40	250-200-315	180	670	315	450	120	276	346	250	200	600	500	140	190	23	10	500	24	18.5
41	250-200-400	180	745	355	500	120	319	378	250	200	600	500	140	190	25	10	525	24	18.5
42	300-250-250	225	670	400	480	120	319	407	300	250	710	600	140	190	25	10	500	28	18.5
43	300-250-315	225	670	375	455	120	310	393	300	250	710	600	140	190	25	10	500	28	18.5
44	300-250-400	225	745	425	500	120	330	395	300	250	710	600	140	190	25	10	525	28	18.5
45	350-300-315	250	745	440	600	120	365	495	350	300	800	700	140	190	25	10	525	28	18.5
46	350-300-400	250	745	480	600	120	375	479	350	300	800	700	140	190	25	10	525	28	18.5



SN	Model	Inlet flange dimensions (mm)					Outlet flange dimensions (mm)					Shaft extension dimensions (mm)				Weight (kg)
		D1	D2	D3	k1	d1	D4	D5	D6	k2	d2	d	L	E	G	
1	50-32-125	50	125	165	4	18	32	100	140	4	18	24	50	8	20	30
2	50-32-160	50	125	165	4	18	32	100	140	4	18	24	50	8	20	36
3	50-32-200	50	125	165	4	18	32	100	140	4	18	24	50	8	20	41
4	50-32-250	50	125	165	4	18	32	100	140	4	18	32	80	10	27	45
5	65-50-125	65	145	185	4	18	50	125	165	4	18	24	50	8	20	33
6	65-50-160	65	145	185	4	18	50	125	165	4	18	24	50	8	20	40
7	65-40-200	65	145	185	4	18	40	110	150	4	18	24	50	8	20	48
8	65-40-250	65	145	185	4	18	40	110	150	4	18	32	80	10	27	65
9	65-40-315	65	145	185	4	18	40	110	150	4	18	32	80	10	27	85
10	80-65-125	80	160	200	8	18	65	145	185	4	18	24	50	8	20	36
11	80-65-160	80	160	200	8	18	65	145	185	4	18	24	50	8	20	42
12	80-50-200	80	160	200	8	18	50	125	165	4	18	24	50	8	20	47
13	80-50-250	80	160	200	8	18	50	125	165	4	18	32	80	10	27	70
14	80-50-315	80	160	200	8	18	50	125	165	4	18	32	80	10	27	88
15	100-80-125	100	180	220	8	18	80	160	200	8	18	24	50	8	20	42
16	100-80-160	100	180	220	8	18	80	160	200	8	18	32	80	10	27	68
17	100-65-200	100	180	220	8	18	65	145	185	4	18	32	80	10	27	65
18	100-65-250	100	180	220	8	18	65	145	185	4	18	32	80	10	27	80
19	100-65-315	100	180	220	8	18	65	145	185	4	18	42	110	12	37	122
20	125-80-160	125	210	250	8	18	80	160	200	8	18	32	80	10	27	58
21	125-80-200	125	210	250	8	18	80	160	200	8	18	32	80	10	27	70
22	125-80-250	125	210	250	8	18	80	160	200	8	18	32	80	10	27	84
23	125-80-315	125	210	250	8	18	80	160	200	8	18	42	110	12	37	100
24	125-80-400	125	210	250	8	18	80	160	200	8	18	42	110	12	37	85
25	125-100-125	125	210	250	8	18	100	180	220	8	18	32	80	10	27	104
26	125-100-160	125	210	250	8	18	100	180	220	8	18	32	80	10	27	113
27	125-100-200 (L)	125	210	250	8	18	100	180	220	8	18	32	80	10	27	120
28	125-100-250 (L)	125	210	250	8	18	100	180	220	8	18	42	110	12	37	135
29	125-100-315 (L)	125	210	250	8	18	100	180	220	8	18	42	110	12	37	154
30	125-100-400	125	210	250	8	18	100	180	220	8	18	42	110	12	37	162
31	150-125-200	150	240	285	8	22	125	210	250	8	18	32	80	10	27	115
32	150-125-250	150	240	285	8	22	125	210	250	8	18	42	110	12	37	130
33	150-125-315	150	240	285	8	22	125	210	250	8	18	42	110	12	37	160
34	150-125-400	150	240	285	8	22	125	210	250	8	18	42	110	12	37	180
35	200-150-200	200	295	340	12	22	150	240	285	8	22	42	110	12	37	182
36	200-150-250	200	295	340	12	22	150	240	285	8	22	42	110	12	37	190
37	200-150-315	200	295	340	12	22	150	240	285	8	22	48	110	14	42.5	220
38	200-150-400	200	295	340	12	22	150	240	285	8	22	48	110	14	42.5	290
39	250-200-250	250	355	405	12	26	200	295	340	12	22	48	110	14	42.5	236
40	250-200-315	250	355	405	12	26	200	295	340	12	22	48	110	14	42.5	255
41	250-200-400	250	355	405	12	26	200	295	340	12	22	55	110	16	49	320
42	300-250-250	300	410	460	12	26	250	355	405	12	26	48	110	14	42.5	500
43	300-250-315	300	410	460	12	26	250	355	405	12	26	48	110	14	42.5	530
44	300-250-400	300	410	460	12	26	250	355	405	12	26	55	110	16	49	630
45	350-300-315	350	470	520	16	28	300	410	460	12	28	55	110	16	49	680
46	350-300-400	350	470	520	16	28	300	410	460	12	28	55	110	16	49	720

NISO Dimensional drawings



NISO Dimensional tables

2 Pole

Model	Power (kW)	H	H1	H2	HC1	HC2	HC3	BW	BL	BP	n	BH	OH	UL	FC	DN1	DN2	Weight (kg)
50-32-125	0.75	320	352	212	260	400	/	300	700	150	4	14	95	771	80	50	32	70
	1.1	320	352	212	260	400	/	300	700	150	4	14	95	771	80	50	32	73
	1.5	331.5	352	212	260	450	/	300	800	150	4	14	95	825	80	50	32	79
50-32-160	2.2	351.5	392	232	306	450	/	346	800	130	4	14	75	825	80	50	32	83
	3	364	392	232	306	500	/	346	850	150	4	14	72.5	880	80	50	32	93
50-32-200	4	411	440	260	306	500	/	346	800	150	4	14	100	900	80	50	32	113
	5.5	428	440	260	340	600	/	380	860	130	4	14	77.5	950	80	50	32	137
50-32-250	7.5	448	505	280	390	550	/	430	1000	200	4	14	131.5	1089	100	50	32	150
	11	541	505	280	390	700	/	430	1150	200	4	18	131.5	1237	100	50	32	194
	1.1	320	352	212	306	450	/	346	710	130	4	14	75	773.5	80	65	50	76
65-50-125	1.5	331.5	352	212	306	450	/	346	800	130	4	14	75	827.5	80	65	50	82
	2.2	331.5	352	212	306	450	/	346	800	130	4	14	75	827.5	80	65	50	89
65-50-160	3	364	392	232	306	500	/	346	850	150	4	14	72.5	882.5	80	65	50	96
	4	383	392	232	306	500	/	346	800	150	4	14	72.5	900.5	80	65	50	110
65-40-200	5.5	428	440	260	335	500	/	375	850	150	4	14	97.5	970	100	65	40	137
	7.5	428	440	260	335	500	/	375	850	150	4	14	97.5	970	100	65	40	143



2 Pole																		Weight (kg)
Model	Power (kW)	H	H1	H2	HC1	HC2	HC3	BW	BL	BP	n	BH	OH	UL	FC	DN1	DN2	
65-40-250	11	541	505	280	390	700	/	430	1150	200	4	18	131.5	1237	100	65	40	207
	15	541	505	280	390	700	/	430	1150	200	4	18	131.5	1237	100	65	40	223
65-40-315	15	561	550	300	420	800	/	460	1200	155	4	18	81.5	1262	125	65	40	257
	18.5	561	550	300	420	800	/	460	1200	155	4	18	81.5	1307	125	65	40	269
	22	572.5	550	300	420	800	/	460	1200	155	4	18	81.5	1341	125	65	40	305
	30	633.5	570	320	465	800	400	505	1200	200	6	18	131.5	1429	125	65	40	390
80-65-125	2.2	351.5	392	232	306	450	/	346	800	130	4	14	75	845	100	80	65	94
	3	364	392	232	306	500	/	346	850	150	4	14	72.5	900	100	80	65	103
	4	383	392	232	306	500	/	346	800	150	4	14	72.5	918	100	80	65	118
80-65-160	5.5	428	440	260	335	500	/	375	850	150	4	14	97.5	970	100	80	65	135
	7.5	428	440	260	335	500	/	375	850	150	4	14	97.5	970	100	80	65	140
80-50-200	11	521	460	260	390	600	/	430	1000	175	4	18	121	1124	100	80	50	190
	15	521	460	260	390	600	/	430	1000	175	4	18	121	1124	100	80	50	205
80-50-250	18.5	541	505	280	390	700	/	430	1150	200	4	18	131.5	1309	125	80	50	230
	22	552.5	505	280	420	800	/	460	1200	155	4	18	81.5	1341	125	80	50	275
80-50-315	30	658.5	625	345	480	800	400	520	1200	200	6	18	131.5	1429	125	80	50	405
	37	658.5	625	345	480	800	400	520	1200	200	6	18	131.5	1429	125	80	50	415
	45	679	625	345	520	800	400	570	1300	225	6	22	155	1466	125	80	50	455
100-80-125	4	411	440	260	335	500	/	375	800	150	4	14	69.5	918	100	100	80	115
	5.5	428	440	260	340	550	/	380	860	155	4	14	85	970	100	100	80	135
	7.5	428	440	260	340	550	/	380	860	155	4	14	85	970	100	100	80	142
100-80-160	11	521	460	260	390	800	/	430	1150	150	4	18	73.5	1237	100	100	80	215
	15	521	460	260	390	800	/	430	1150	150	4	18	73.5	1237	100	100	80	230
100-65-200	18.5	541	505	280	390	700	/	430	1150	200	4	18	131.5	1282	100	100	65	250
	22	552.5	505	280	420	800	/	460	1200	155	4	18	81.5	1316	100	100	65	285
100-65-250	30	633.5	570	320	465	800	400	505	1200	200	6	18	119	1429	125	100	65	375
	37	633.5	570	320	465	800	400	505	1200	200	6	18	119	1429	125	100	65	385
100-65-315	45	679	625	345	520	800	400	570	1350	225	6	22	141.5	1494	125	100	65	465
	55	737	650	370	575	900	450	625	1450	225	6	22	141.5	1594	125	100	65	595
	75	807	680	400	630	800	400	680	1500	310	6	22	214	1655	125	100	65	715
125-80-160	11	541	505	280	390	700	/	430	1150	200	4	18	131.5	1262	125	125	80	210
	15	541	505	280	390	700	/	430	1150	200	4	18	131.5	1262	125	125	80	220
	18.5	541	505	280	390	700	/	430	1150	200	4	18	131.5	1307	125	125	80	235
	22	552.5	505	280	420	800	/	460	1200	155	4	18	81.5	1341	125	125	80	275



2 Pole

Model	Power (kW)	H	H1	H2	HC1	HC2	HC3	BW	BL	BP	n	BH	OH	UL	FC	DN1	DN2	Weight (kg)
125-80-200	30	633.5	570	320	465	900	450	505	1200	150	6	18	87.5	1429	125	125	80	330
	37	633.5	570	320	465	900	450	505	1200	150	6	18	87.5	1429	125	125	80	340
125-80-250	45	679	625	345	520	800	400	570	1300	225	6	22	140	1464	125	125	80	385
	55	737	650	370	575	900	450	625	1400	225	6	22	141.5	1564	125	125	80	500
125-80-315	75	807	715	400	630	1000	500	680	1550	235	6	22	155	1655	125	125	80	520
	90	807	715	400	630	1000	500	680	1550	235	6	22	155	1715	125	125	80	560
	110	972.5	755	440	720	1000	500	770	1700	325	6	22	220	1892	125	125	80	1000
125-100-200L	30	633.5	600	320	465	800	400	505	1200	200	6	18	119	1429	125	125	100	380
	37	633.5	600	320	465	800	400	505	1200	200	6	18	119	1429	125	125	100	390
	45	674	620	340	520	800	400	570	1300	225	6	22	141.5	1464	125	125	100	447
	55	737	650	370	575	900	450	625	1400	225	6	22	141.5	1564	125	125	100	570
125-100-250L	75	807	680	400	630	800	400	680	1500	310	6	22	214	1670	140	125	100	730
125-100-315L	90	807	715	400	630	1000	500	680	1550	235	6	22	155	1730	140	125	100	790
	110	972.5	755	440	720	1000	500	770	1700	325	6	22	220	1907	140	125	100	1230
	132	972.5	755	440	720	1000	500	770	1700	325	6	22	220	2020	140	125	100	1340
125-100-125	15	561	580	300	420	750	/	460	1200	200	4	18	119	1262	125	125	100	240
	18.5	561	580	300	420	750	/	460	1200	200	4	18	119	1307	125	125	100	258
125-100-160	22	572.5	580	300	420	750	/	460	1200	200	4	18	119	1341	125	125	100	314
	30	633.5	600	320	465	800	400	505	1200	200	6	18	119	1429	125	125	100	375
125-100-200	37	633.5	600	320	465	800	400	505	1200	200	6	18	119	1429	125	125	100	396
	45	674	620	340	520	800	400	570	1300	225	6	22	141.5	1464	125	125	100	447
	55	737	650	370	575	900	450	625	1400	225	6	22	141.5	1564	125	125	100	570
125-100-250	75	807	680	400	630	800	400	680	1500	310	6	22	214	1670	140	125	100	730
	90	807	680	400	630	900	450	680	1550	285	6	22	189	1730	140	125	100	770
125-100-315	110	972.5	755	440	720	1000	500	770	1700	325	6	22	220	1907	140	125	100	1230
	132	972.5	755	440	720	1000	500	770	1700	325	6	22	220	2020	140	125	100	1340
	160	972.5	755	440	720	1000	500	770	1700	325	6	22	220	2020	140	125	100	1435
150-125-200	45	704	670	370	520	800	400	570	1300	225	6	22	141.5	1479	140	150	125	480
	55	737	670	370	575	900	450	625	1400	225	6	22	141.5	1579	140	150	125	620
	75	807	700	400	630	900	450	680	1500	285	6	22	189	1640	140	150	125	730
	90	807	700	400	630	900	450	680	1500	285	6	22	189	1700	140	150	125	770



4 Pole

Model	Power (kW)	H	H1	H2	HC1	HC2	HC3	BW	BL	BP	n	BH	OH	UL	FC	DN1	DN2	Weight (kg)
50-32-160	0.55	357	392	232	306	500	/	346	710	105	4	14	47.5	771	80	50	32	75
50-32-200	0.55	385	440	260	306	500	/	346	710	105	4	14	47.5	771	80	50	32	82
	0.75	385	440	260	306	500	/	346	710	105	4	14	47.5	771	80	50	32	83
50-32-250	1.1	417.5	505	280	390	600	/	430	900	150	4	14	81.5	966	100	50	32	90
	1.5	417.5	505	280	390	600	/	430	900	150	4	14	81.5	966	100	50	32	92
65-50-160	0.55	357	392	232	306	500	/	346	710	105	4	14	47.5	773.5	80	65	50	80
65-40-200	0.75	385	440	260	335	500	/	375	700	100	4	14	47.5	791	100	65	40	86
	1.1	397.5	440	260	335	500	/	375	800	150	4	14	72.5	845	100	65	40	90
65-40-250	1.5	417.5	505	280	390	600	/	430	900	150	4	14	81.5	966	100	65	40	124
65-40-315	2.2	450	550	300	420	650	/	460	950	150	4	14	81.5	1046	125	65	40	156
	3	450	550	300	420	650	/	460	950	150	4	14	81.5	1046	125	65	40	160
80-65-160	0.75	385	440	260	335	500	/	375	700	100	4	14	47.5	791	100	80	65	82
	1.1	397.5	440	260	335	500	/	375	800	150	4	14	72.5	845	100	80	65	89
80-50-200	1.5	397.5	460	260	335	500	/	375	800	150	4	14	72.5	845	100	80	50	94
80-50-250	2.2	430	505	280	390	600	/	430	1000	175	4	14	95	1046	125	80	50	138
	3	430	505	280	390	600	/	430	1000	175	4	14	95	1046	125	80	50	142
80-50-315	4	494	605	325	420	600	/	460	950	175	4	14	83.5	1064	125	80	50	175
	5.5	514.5	605	325	420	600	/	460	1050	200	4	18	108.5	1114	125	80	50	195
100-80-160	1.5	397.5	460	260	340	600	/	380	950	150	4	14	65	966	100	100	80	121
	2.2	410	460	260	340	600	/	380	950	150	4	14	65	1021	100	100	80	130
100-65-200	3	430	505	280	390	600	/	430	1000	175	4	14	95	1021	100	100	65	137
100-65-250	4	469	550	300	420	600	/	460	950	175	4	14	70	1064	125	100	65	170
100-65-315	5.5	514.5	605	325	470	750	/	510	1050	150	4	18	67.5	1146	125	100	65	222
	7.5	514.5	605	325	470	750	/	510	1050	150	4	18	67.5	1191	125	100	65	236
	11	586	605	325	470	800	/	510	1200	150	4	18	67.5	1292	125	100	65	295
125-80-160	2.2	430	505	280	390	600	/	430	1000	175	4	14	95	1046	125	125	80	145
	3	430	505	280	390	600	/	430	1000	175	4	14	95	1046	125	125	80	150
125-80-200	4	449	530	280	420	600	/	460	950	175	4	14	90	1064	125	125	80	175
125-80-250	5.5	514.5	605	325	470	600	/	510	1050	225	4	18	140	1114	125	125	80	205
	7.5	514.5	605	325	470	600	/	510	1050	225	4	18	140	1159	125	125	80	220
125-80-315	11	611	665	350	470	800	/	510	1250	170	4	18	79	1292	125	125	80	300
	15	611	665	350	470	800	/	510	1250	170	4	18	79	1336	125	125	80	315
125-80-400	15	641	735	380	500	800	/	540	1250	175	4	18	94	1336	125	125	80	357
	18.5	652.5	735	380	510	800	/	560	1250	210	4	22	126.5	1371	125	125	80	376
	22	652.5	735	380	510	800	/	560	1250	210	4	22	126.5	1410	125	125	80	412
125-100-200	4	469	580	300	420	600	/	460	950	175	4	14	70	1064	125	125	100	166
	5.5	489.5	580	300	420	600	/	460	1050	200	4	18	110	1114	125	125	100	190
	7.5	489.5	580	300	420	600	/	460	1050	200	4	18	110	1159	125	125	100	202



4 Pole

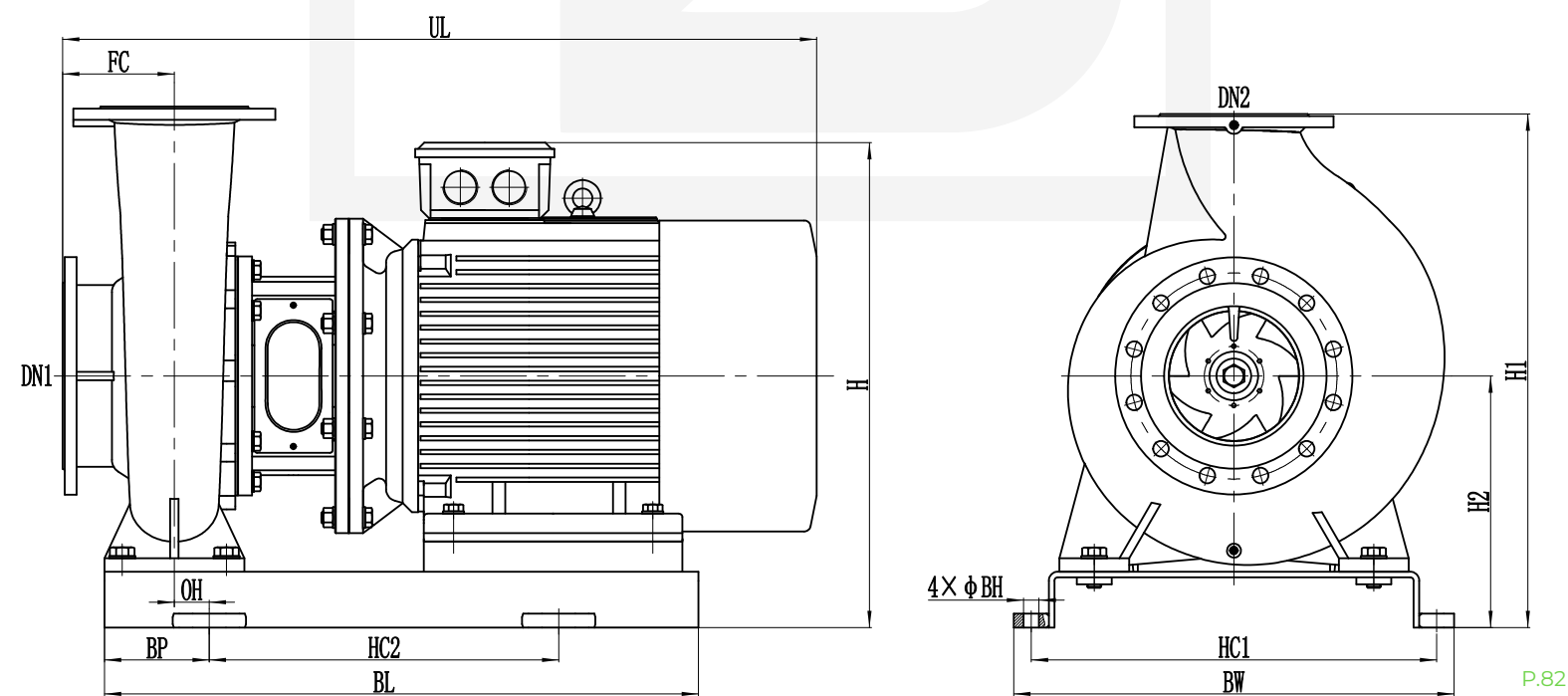
Model	Power (kW)	H	H1	H2	HC1	HC2	HC3	BW	BL	BP	n	BH	OH	UL	FC	DN1	DN2	Weight (kg)
125-100-250	11	586	605	325	470	800	/	510	1200	150	4	18	67.5	1307	140	125	100	295
125-100-315	15	611	665	350	470	800	/	510	1250	170	4	18	79	1351	140	125	100	330
	18.5	622.5	665	350	470	800	/	510	1250	200	4	18	109	1386	140	125	100	350
125-100-400	22	652.5	735	380	580	800	/	630	1300	235	4	22	110	1425	140	125	100	405
	30	693.5	735	380	580	800	400	630	1300	235	6	22	110	1474	140	125	100	475
150-125-200	37	734	755	400	575	900	450	625	1350	200	6	22	100	1511	140	125	100	548
	5.5	539.5	650	350	470	750	/	510	1050	150	4	18	67.5	1129	140	150	125	213
150-125-250	7.5	539.5	650	350	470	750	/	510	1050	150	4	18	67.5	1174	140	150	125	223
	11	611	650	350	470	800	/	510	1200	175	4	18	79	1275	140	150	125	302
150-125-315	15	611	705	350	470	800	/	510	1250	170	4	18	79	1351	140	150	125	320
	18.5	622.5	705	350	470	800	/	510	1250	200	4	18	109	1386	140	150	125	345
150-125-400	22	652.5	735	380	580	800	/	630	1300	235	4	22	110	1425	140	150	125	410
	30	693.5	735	380	580	800	400	630	1300	235	6	22	110	1474	140	150	125	480
200-150-200	37	734	755	400	575	900	450	625	1350	200	6	22	100	1511	140	150	125	555
	37	769	835	435	575	900	450	625	1400	200	6	22	100	1511	140	150	125	570
200-150-250	45	769	835	435	575	900	450	625	1400	200	6	22	100	1535	140	150	125	600
	55	802	835	435	575	1000	500	625	1450	200	6	22	100	1611	140	150	125	700
200-150-315	11	641	755	380	570	750	/	610	1250	225	4	18	110	1327	160	200	150	340
	15	641	755	380	570	750	/	610	1250	225	4	18	110	1371	160	200	150	360
200-150-400	18.5	652.5	755	380	580	800	/	630	1300	235	4	22	110	1406	160	200	150	385
	22	652.5	755	380	580	800	/	630	1300	235	4	22	110	1445	160	200	150	462
250-200-250	30	693.5	755	380	580	800	400	630	1300	235	6	22	110	1494	160	200	150	530
	37	734	775	400	575	900	450	625	1350	200	6	22	100	1531	160	200	150	600
250-200-315	45	769	835	435	630	900	450	680	1550	325	6	22	200	1695	160	200	150	655
	55	802	835	435	630	900	450	680	1600	325	6	22	200	1771	160	200	150	758
250-200-400	75	842	885	435	630	1000	500	680	1700	325	6	22	200	1835	160	200	150	975
	90	842	885	435	630	1000	500	680	1700	325	6	22	200	1895	160	200	150	1025
250-200-500	22	687.5	865	415	680	1000	/	730	1430	215	4	22	90	1603	180	250	200	495
	30	728.5	865	415	680	1000	500	730	1430	215	6	22	90	1654	180	250	200	565
250-200-600	37	769	885	435	680	1050	525	730	1550	225	6	22	100	1691	180	250	200	640
	45	769	885	435	680	1050	525	730	1550	225	6	22	100	1715	180	250	200	670
250-200-700	55	802	885	435	680	1000	500	730	1600	275	6	22	150	1791	180	250	200	795
	75	842	885	435	680	1100	550	730	1650	275	6	22	150	1855	180	250	200	940



4 Pole

Model	Power (kW)	H	H1	H2	HC1	HC2	HC3	BW	BL	BP	n	BH	OH	UL	FC	DN1	DN2	Weight (kg)
250-200-400	90	907	1000	500	720	1150	575	770	1800	300	6	22	175	1995	180	250	200	1070
	110	1032.5	1000	500	720	1250	625	770	2000	300	6	22	175	2202	180	250	200	1520
	132	1032.5	1000	500	720	1250	625	770	2000	300	6	22	175	2315	180	250	200	1600
300-250-250	45	854	1000	520	800	1000	500	850	1600	250	6	22	90	1760	225	300	250	1265
	55	887	1000	520	800	1100	550	850	1650	250	6	22	90	1836	225	300	250	1360
	75	927	1000	520	800	1150	575	850	1700	250	6	22	90	1900	225	300	250	1500
300-250-315	90	902	950	495	800	1150	575	850	1750	275	6	22	125	1960	225	300	250	1600
	110	1027.5	950	495	800	1250	625	850	1800	275	6	22	125	2172	225	300	250	1925
	132	1077.5	1045	545	800	1400	700	850	2000	275	6	22	125	2360	225	300	250	2080
300-250-400	160	1077.5	1045	545	800	1400	700	850	2000	275	6	22	125	2360	225	300	250	2140
	200	1077.5	1045	545	800	1400	700	850	2000	275	6	22	125	2360	225	300	250	2255
	250	1077.5	1045	545	800	1400	700	850	2000	275	6	22	125	2360	225	300	250	2300
350-300-315	110	1092.5	1160	560	900	1500	750	950	2050	250	6	22	75	2272	250	350	300	1980
	132	1092.5	1160	560	900	1500	750	950	2050	250	6	22	75	2385	250	350	300	2090
	160	1092.5	1160	560	900	1500	750	950	2050	250	6	22	75	2385	250	350	300	2150
350-300-400	200	1132.5	1200	600	900	1400	700	950	2050	300	6	22	120	2385	250	350	300	2300
	250	1251	1200	600	900	1500	750	950	2100	300	6	22	120	2545	250	350	300	2400
	280	1251	1200	600	900	1500	750	950	2100	300	6	22	120	2545	250	350	300	2580

NIS/NISF Dimensional drawings



P.82



NIS/NISF Dimensional tables

2 Pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
50-32-125	0.75	300	332	192	306	250	346	450	100	14	45	467	80	50	32	51
	1.1	300	332	192	306	250	346	450	100	14	45	467	80	50	32	52
	1.5	311.5	332	192	306	250	346	450	100	14	45	511	80	50	32	58
50-32-160	2.2	331.5	372	212	306	250	346	450	100	14	47.5	511	80	50	32	67
	3	344	372	212	306	250	346	500	100	14	47.5	556	80	50	32	81
50-32-200	4	391	420	240	306	250	346	450	100	14	47.5	574	80	50	32	90
	5.5	408	420	240	350	300	390	550	100	14	46	625	80	50	32	103
50-32-250	7.5	428	485	260	390	300	430	550	105	14	36.5	648	100	50	32	128
	11	521	485	260	390	400	430	720	130	18	61.5	794	100	50	32	185
65-50-125	1.1	300	332	192	306	250	346	450	100	14	45	469.5	80	65	50	56
	1.5	311.5	332	192	306	250	346	450	100	14	45	513.5	80	65	50	61
	2.2	311.5	332	192	306	250	346	450	100	14	45	513.5	80	65	50	64
65-50-160	3	344	372	212	306	250	346	500	100	14	47.5	558.5	80	65	50	85
	4	363	372	212	306	250	346	450	100	14	47.5	576.5	80	65	50	93
65-40-200	5.5	408	420	240	335	300	375	550	100	14	47.5	645	100	65	40	119
	7.5	408	420	240	335	300	375	550	100	14	47.5	645	100	65	40	122
65-40-250	11	521	485	260	390	400	430	720	130	18	61.5	794	100	65	40	187
	15	521	485	260	390	400	430	720	130	18	61.5	794	100	65	40	197
65-40-315	15	541	530	280	430	400	470	720	150	18	81.5	831	125	65	40	226
	18.5	541	530	280	430	400	470	720	150	18	81.5	876	125	65	40	248
	22	552.5	530	280	430	400	470	720	150	18	81.5	908	125	65	40	268
	30	593.5	530	280	465	500	505	850	150	18	81.5	996	125	65	40	338
80-65-125	2.2	331.5	372	212	306	250	346	450	100	14	47.5	531	100	80	65	70
	3	344	372	212	306	250	346	500	100	14	47.5	576	100	80	65	84
	4	363	372	212	306	250	346	450	100	14	47.5	594	100	80	65	92
80-65-160	5.5	408	420	240	335	300	375	550	100	14	47.5	645	100	80	65	122
	7.5	408	420	240	335	300	375	550	100	14	47.5	645	100	80	65	131
80-50-200	11	501	440	240	390	350	430	720	155	18	71	793	100	80	50	178
	15	501	440	240	390	350	430	720	155	18	71	793	100	80	50	188



2 Pole

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
80-50-250	18.5	521	485	260	390	400	430	720	130	18	63.5	876	125	80	50	223
	22	532.5	485	260	430	400	470	720	150	18	81.5	908	125	80	50	265
80-50-315	30	618.5	585	305	465	500	505	850	150	18	81.5	996	125	80	50	348
	37	618.5	585	305	465	500	505	850	150	18	81.5	996	125	80	50	368
	45	639	585	305	520	500	570	900	160	22	90	1031	125	80	50	432
100-80-125	4	391	420	240	335	300	375	500	100	14	35	594	100	100	80	100
	5.5	408	420	240	335	300	375	550	100	14	35	645	100	100	80	124
	7.5	408	420	240	335	300	375	550	100	14	35	645	100	100	80	132
100-80-160	11	501	440	240	390	400	430	720	130	18	61.5	794	100	100	80	180
	15	501	440	240	390	400	430	720	130	18	61.5	794	100	100	80	190
100-65-200	18.5	521	485	260	390	400	430	720	130	18	63.5	851	100	100	65	225
	22	532.5	485	260	430	400	470	720	150	18	81.5	883	100	100	65	260
100-65-250	30	593.5	530	280	465	500	505	850	150	18	69	996	125	100	65	335
	37	593.5	530	280	465	500	505	850	150	18	69	996	125	100	65	355
100-65-315	45	639	585	305	520	500	570	950	200	22	114	1078	125	100	65	445
	55	717	630	350	585	550	635	1000	200	22	114	1178	125	100	65	545
	75	787	660	380	630	600	680	1050	200	22	114	1237	125	100	65	688
125-80-160	11	521	485	260	390	400	430	720	130	18	61.5	819	125	125	80	160
	15	521	485	260	390	400	430	720	130	18	61.5	819	125	125	80	170
	18.5	521	485	260	390	400	430	720	130	18	61.5	864	125	125	80	190
	22	532.5	485	260	430	400	470	720	150	18	83.5	896	125	125	80	233
125-80-200	30	593.5	530	280	465	500	505	850	150	18	81.5	996	125	125	80	310
	37	593.5	530	280	465	500	505	850	150	18	81.5	996	125	125	80	329
125-80-250	45	639	585	305	520	420	570	900	200	22	115	1031	125	125	80	415
	55	717	630	350	585	550	635	1000	200	22	115	1134	125	125	80	515
125-80-315	75	787	695	380	630	600	680	1100	250	22	164	1237	125	125	80	678
	90	787	695	380	630	600	680	1100	250	22	164	1297	125	125	80	715
	110	947.5	730	415	720	600	770	1250	250	22	164	1460	125	125	80	1145

**2 Pole**

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
125-100-200L	30	593.5	560	280	465	500	505	850	150	18	69	996	125	125	100	353
	37	593.5	560	280	465	500	505	850	150	18	69	996	125	125	100	372
	45	639	585	305	520	500	570	900	160	22	76.5	1031	125	125	100	435
	55	717	630	350	585	550	635	1000	200	22	116.5	1134	125	125	100	540
125-100-250L	75	787	660	380	630	600	680	1050	200	22	114	1252	140	125	100	705
125-100-315L	90	787	695	380	630	600	680	1100	250	22	164	1312	140	125	100	760
	110	947.5	730	415	720	600	770	1250	250	22	164	1475	140	125	100	1175
	132	947.5	730	415	720	600	770	1250	250	22	164	1588	140	125	100	1235
125-100-125	15	541	560	280	430	400	470	720	150	18	69	819	125	125	100	200
	18.5	541	560	280	430	400	470	720	150	18	69	864	125	125	100	218
125-100-160	22	552.5	560	280	430	400	470	720	150	18	69	896	125	125	100	288
	30	593.5	560	280	465	500	505	850	150	18	69	987	125	125	100	345
125-100-200	37	593.5	560	280	465	500	505	850	150	18	69	996	125	125	100	372
	45	639	585	305	520	500	570	900	160	22	76.5	1031	125	125	100	435
	55	717	630	350	585	550	635	1000	200	22	116.5	1134	125	125	100	540
125-100-250	75	787	660	380	630	600	680	1050	200	22	114	1252	140	125	100	705
	90	787	660	380	630	600	680	1100	250	22	164	1312	140	125	100	742
125-100-315	110	947.5	730	415	720	600	770	1250	250	22	164	1475	140	125	100	1175
	132	947.5	730	415	720	600	770	1250	250	22	164	1588	140	125	100	1235
	160	947.5	730	415	720	600	770	1250	250	22	164	1588	140	125	100	1355
150-125-200	45	664	630	330	520	500	570	900	160	22	76.5	1046	140	150	125	460
	55	717	650	350	585	550	635	1000	200	22	116.5	1149	140	150	125	580
	75	787	680	380	630	600	680	1100	250	22	150	1233	140	150	125	710
	90	787	680	380	630	600	680	1100	250	22	150	1293	140	150	125	745

**4 Pole**

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
50-32-160	0.55	337	372	212	306	250	346	400	75	14	22.5	467	80	50	32	42
50-32-200	0.55	365	420	240	306	250	346	400	75	14	22.5	467	80	50	32	53
	0.75	365	420	240	306	250	346	400	75	14	22.5	467	80	50	32	55
50-32-250	1.1	397.5	485	260	390	300	430	510	105	14	33.5	542	100	50	32	80
	1.5	397.5	485	260	390	300	430	510	105	14	33.5	542	100	50	32	87
65-50-160	0.55	337	372	212	306	250	346	400	75	14	22.5	469.5	80	65	50	44
65-40-200	0.75	365	420	240	335	250	375	460	105	14	22.5	487	100	65	40	55
	1.1	377.5	420	240	335	250	375	460	85	14	22.5	531	100	65	40	71
65-40-250	1.5	397.5	485	260	390	300	430	510	105	14	33.5	542	100	65	40	85
65-40-315	2.2	430	530	280	415	300	455	550	100	14	33.5	616	125	65	40	115
	3	430	530	280	415	300	455	550	100	14	33.5	616	125	65	40	120
80-65-160	0.75	365	420	240	335	250	375	460	105	14	22.5	487	100	80	65	65
	1.1	377.5	420	240	335	250	375	460	85	14	22.5	531	100	80	65	70
80-50-200	1.5	377.5	440	240	335	250	375	460	85	14	22.5	531	100	80	50	82
80-50-250	2.2	410	485	260	386	300	426	520	100	14	35	616	125	80	50	105
	3	410	485	260	386	300	426	520	100	14	35	616	125	80	50	110
80-50-315	4	474	585	305	415	300	455	500	100	14	33.5	634	125	80	50	130
	5.5	494.5	585	305	415	350	455	600	100	18	33.5	683	125	80	50	152
100-80-160	1.5	377.5	440	240	350	250	390	500	110	14	40	542	100	100	80	75
	2.2	390	440	240	350	300	390	550	100	14	35	587	100	100	80	85
100-65-200	3	410	485	260	386	300	426	520	100	14	35	591	100	100	65	106
100-65-250	4	449	530	280	430	300	470	500	100	14	20	634	125	100	65	125
100-65-315	5.5	494.5	585	305	470	300	510	650	150	18	70	727	125	100	65	170
	7.5	494.5	585	305	470	300	510	650	150	18	70	772	125	100	65	190
	11	566	585	305	470	400	510	800	150	18	70	856	125	100	65	245
125-80-160	2.2	410	485	260	390	300	430	550	105	14	33.5	612	125	125	80	100
	3	410	485	260	390	300	430	550	105	14	33.5	612	125	125	80	105
125-80-200	4	429	510	260	415	300	455	500	100	14	35	634	125	125	80	130
125-80-250	5.5	494.5	585	305	470	350	510	650	125	18	40	683	125	125	80	170
	7.5	494.5	585	305	470	350	510	650	125	18	40	728	125	125	80	190
125-80-315	11	591	645	330	470	400	510	750	150	18	69	843	125	125	80	270
	15	591	645	330	470	400	510	750	150	18	69	887	125	125	80	300

**4 Pole**

Model	Power (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	Weight (kg)
125-80-400	15	621	715	360	510	450	550	800	150	18	68	887	125	125	80	340
	18.5	632.5	715	360	520	450	570	800	150	22	66.5	922	125	125	80	375
	22	632.5	715	360	520	450	570	800	150	22	66.5	961	125	125	80	397
125-100-200	4	449	560	280	430	300	470	500	100	14	20	634	125	125	100	133
	5.5	469.5	560	280	430	350	470	600	100	18	20	683	125	125	100	150
	7.5	469.5	560	280	430	350	470	600	100	18	20	728	125	125	100	168
125-100-250	11	566	585	305	470	400	510	750	150	18	70	858	140	125	100	250
125-100-315	15	591	645	330	470	400	510	750	150	18	69	902	140	125	100	285
	18.5	602.5	645	330	470	450	510	800	150	18	69	937	140	125	100	315
125-100-400	22	632.5	715	360	580	500	630	800	150	22	50	976	140	125	100	380
	30	673.5	715	360	580	500	630	950	175	22	50	1028	140	125	100	440
	37	714	735	380	585	550	635	950	200	22	100	1063	140	125	100	520
150-125-200	5.5	519.5	630	330	470	350	510	650	125	18	20	698	140	150	125	165
	7.5	519.5	630	330	470	350	510	650	125	18	20	743	140	150	125	178
	11	591	630	330	470	400	510	750	150	18	69	844	140	150	125	233
150-125-250	15	591	685	330	470	400	510	750	150	18	69	902	140	150	125	277
	18.5	602.5	685	330	470	450	510	800	150	18	69	937	140	150	125	308
150-125-315	22	632.5	715	360	580	500	630	800	150	22	50	976	140	150	125	373
	30	673.5	715	360	580	500	630	950	175	22	50	1028	140	150	125	433
	37	714	735	380	585	550	635	950	200	22	100	1063	140	150	125	510
150-125-400	37	749	815	415	585	550	635	950	200	22	100	1063	140	150	125	520
	45	749	815	415	585	550	635	950	200	22	100	1087	140	150	125	558
	55	782	815	415	585	550	635	1050	200	22	100	1193	140	150	125	617
200-150-200	11	621	735	360	570	500	610	800	150	18	50	878	160	200	150	275
	15	621	735	360	570	500	610	800	150	18	50	922	160	200	150	300
	18.5	632.5	735	360	580	500	630	800	150	22	50	957	160	200	150	340
200-150-250	22	632.5	735	360	580	500	630	800	150	22	50	996	160	200	150	386
	30	673.5	735	360	580	500	630	950	175	22	50	1048	160	200	150	445
	37	714	755	380	585	550	635	950	200	22	100	1083	160	200	150	524
200-150-315	45	749	815	415	605	500	655	950	200	22	100	1128	160	200	150	585
	55	782	815	415	605	600	655	1050	200	22	100	1220	160	200	150	656
200-150-400	75	822	865	415	630	600	680	1100	250	22	150	1279	160	200	150	863
	90	822	865	415	630	600	680	1100	250	22	150	1339	160	200	150	960
250-200-250	22	687.5	865	415	680	550	730	900	175	22	50	1050	180	250	200	485
	30	728.5	865	415	680	550	730	950	175	22	50	1099	180	250	200	582
	37	749	865	415	680	600	730	1000	175	22	50	1124	180	250	200	644
	45	749	865	415	680	600	730	1000	175	22	50	1148	180	250	200	685



4 Pole

型号	功率 (kW)	H	H1	H2	HC1	HC2	BW	BL	BP	BH	OH	UL	FC	DN1	DN2	重量 (kg)
250-200-315	55	782	865	415	680	550	730	1100	225	22	100	1240	180	250	200	690
	75	822	865	415	680	600	730	1100	275	22	150	1299	180	250	200	835
250-200-400	90	887	980	480	720	600	770	1150	250	22	125	1359	180	250	200	1010
	110	1012.5	980	480	720	700	770	1400	300	22	160	1568	180	250	200	1395
	132	1012.5	980	480	720	700	770	1400	300	22	160	1681	180	250	200	1490
300-250-250	45	834	980	500	810	570	860	1050	200	22	40	1193	225	300	250	783
	55	867	980	500	810	640	860	1140	250	22	90	1285	225	300	250	848
	75	907	980	500	810	640	860	1140	250	22	90	1344	225	300	250	1173
300-250-315	90	882	930	475	810	750	860	1250	250	22	90	1404	225	300	250	1180
	110	1007.5	930	475	810	750	860	1350	250	22	90	1613	225	300	250	1516
	132	1057.5	1025	525	810	900	860	1400	250	22	90	1726	225	300	250	1680
300-250-400	160	1057.5	1025	525	810	900	860	1400	250	22	90	1726	225	300	250	1780
	200	1057.5	1025	525	810	900	860	1400	250	22	90	1726	225	300	250	1855
350-300-315	110	1072.5	1140	540	910	870	960	1400	240	22	65	1638	250	350	300	1615
	132	1072.5	1140	540	910	870	960	1400	240	22	65	1751	250	350	300	1775
	160	1072.5	1140	540	910	870	960	1400	240	22	65	1751	250	350	300	1875
350-300-400	200	1112.5	1180	580	910	850	960	1400	250	22	65	1751	250	350	300	1970
	250	1231	1180	580	910	1000	960	1500	250	22	70	1906	250	350	300	2090
	280	1231	1180	580	910	1000	960	1500	250	22	70	1906	250	350	300	2270