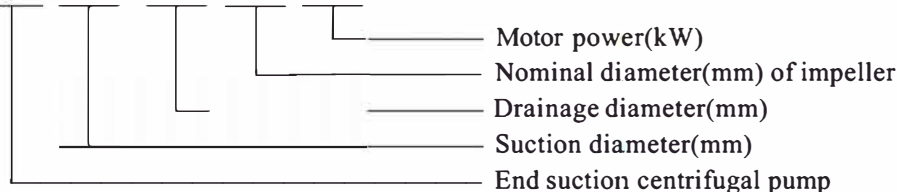


General Data

● Definition of Model

NISO100-65-200/30

NISO 100 — 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 radical 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.

● Specification

- Flow: Max 340m³/h
- Head: Max 160m
- Working pressure: Max 16 bar
- Inlet pressure: Max 6 bar
- Power: Max 160kW
- Liquid temperature: -15°C ~ 110°C
- Inlet and Outlet diameter: Inlet diameter: DN50~DN125
Outlet diameter: DN32~DN100

● Curve notes

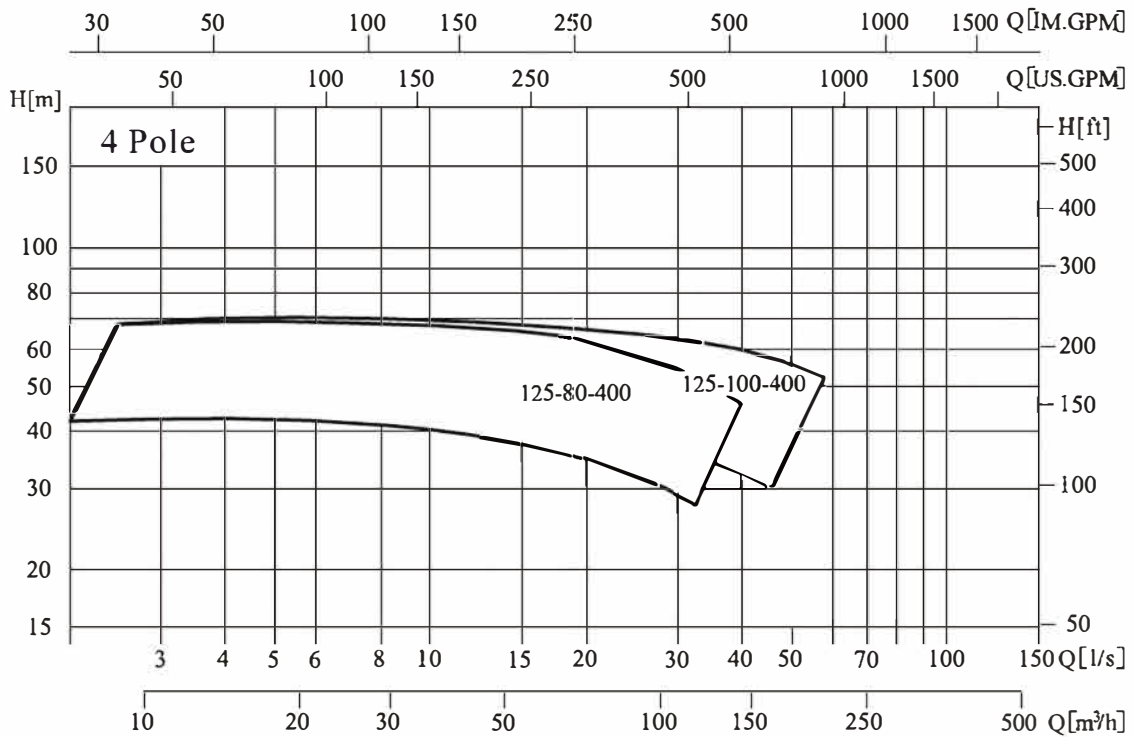
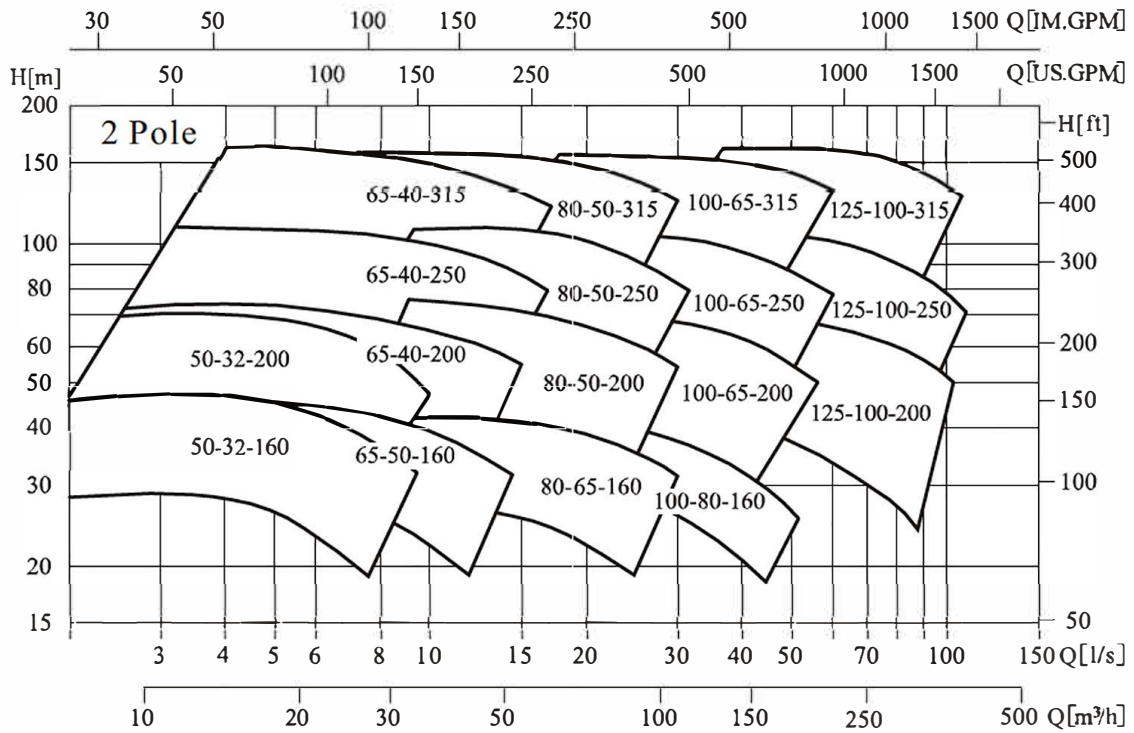
The following notes are for the curves in the following.

- Curve tolerance complies to ISO 9906, appendix A
- All the curves are based on the motor of constant speed 1480rpm, 2900rpm or 2950rpm
- The pumps were tested with 20°C non-air water, kinematic viscosity is 1mm²/s

● Features

- Back-pull-out design, without having to disturb pump body and pipelines when servicing.
- All the models only use 3 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



● Models

No.	Model	Q [m ³ /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 50-32-200/5.5		44	5.5			
5	NISO 50-32-200/7.5		55	7.5			
6	NISO 50-32-200/11		74	11		2950	
7	NISO 65-40-200/7.5	25	48	7.5	2900		
8	NISO 65-40-200/11		62	11	2950		
9	NISO 65-40-200/15		72	15			
10	NISO 65-40-250/11		64	11			
11	NISO 65-40-250/15		75	15			
12	NISO 65-40-250/18.5		84	18.5			
13	NISO 65-40-250/22		95	22			
14	NISO 65-40-250/30		105	30			
15	NISO 65-40-315/22		105	22			
16	NISO 65-40-315/30		120	30			
17	NISO 65-40-315/37		145	37			
18	NISO 65-40-315/45		165	45			
19	NISO 65-50-160/4		28	4		2900	
20	NISO 65-50-160/5.5		36	5.5			
21	NISO 65-50-160/7.5		42	7.5			
22	NISO 80-50-200/11		50	44		11	2950
23	NISO 80-50-200/15			57		15	
24	NISO 80-50-200/18.5			64		18.5	
25	NISO 80-50-200/22	71		22			
26	NISO 80-50-250/18.5	60		18.5			
27	NISO 80-50-250/22	68		22			
28	NISO 80-50-250/30	84		30			
29	NISO 80-50-250/37	100		37			
30	NISO 80-50-315/30	88		30			
31	NISO 80-50-315/37	105		37			
32	NISO 80-50-315/45	125		45			
33	NISO 80-50-315/55	140		55			
34	NISO 80-50-315/75	152		75			
35	NISO 80-65-160/5.5	22		5.5	2900		
36	NISO 80-65-160/7.5	29		7.5			
37	NISO 80-65-160/11	38		11	2950		
38	NISO 80-65-160/15	44	15				

General Data

● Models

No.	Model	Q [m ³ /h]	H [m]	Motor [kW]	n [r/min]	
39	NISO 100-65-200/18.5	100	36	18.5	2950	
40	NISO 100-65-200/22		43	22		
41	NISO 100-65-200/30		56	30		
42	NISO 100-65-200/37		67	37		
43	NISO 100-65-250/30		58	30		
44	NISO 100-65-250/37		68	37		
45	NISO 100-65-250/45		80	45		
46	NISO 100-65-250/55		88	55		
47	NISO 100-65-250/75		108	75		
48	NISO 100-65-315/55		90	55		
49	NISO 100-65-315/75		112	75		
50	NISO 100-65-315/90		128	90		
51	NISO 100-65-315/110		148	110		
52	NISO 100-80-160/11		23	11		
53	NISO 100-80-160/15		30	15		
54	NISO 100-80-160/18.5		35	18.5		
55	NISO 100-80-160/22		40	22		
56	NISO 125-100-200/30		200	34		30
57	NISO 125-100-200/37			41		37
58	NISO 125-100-200/45			48		45
59	NISO 125-100-200/55	55		55		
60	NISO 125-100-200/75	66		75		
61	NISO 125-100-250/55	59		55		
62	NISO 125-100-250/75	75		75		
63	NISO 125-100-250/90	86		90		
64	NISO 125-100-250/110	100		110		
65	NISO 125-100-315/90	93		90		
66	NISO 125-100-315/110	108		110		
67	NISO 125-100-315/132	124		132		
68	NISO 125-100-315/160	144	160			
69	NISO 125-80-400/15	50	39	15	1480	
70	NISO 125-80-400/18.5		45	18.5		
71	NISO 125-80-400/22		50	22		
72	NISO 125-80-400/30		60	30		
73	NISO 125-80-400/37		67	37		
74	NISO 125-100-400/22	100	38	22		
75	NISO 125-100-400/30		50	30		
76	NISO 125-100-400/37		58	37		
77	NISO 125-100-400/45		65	45		