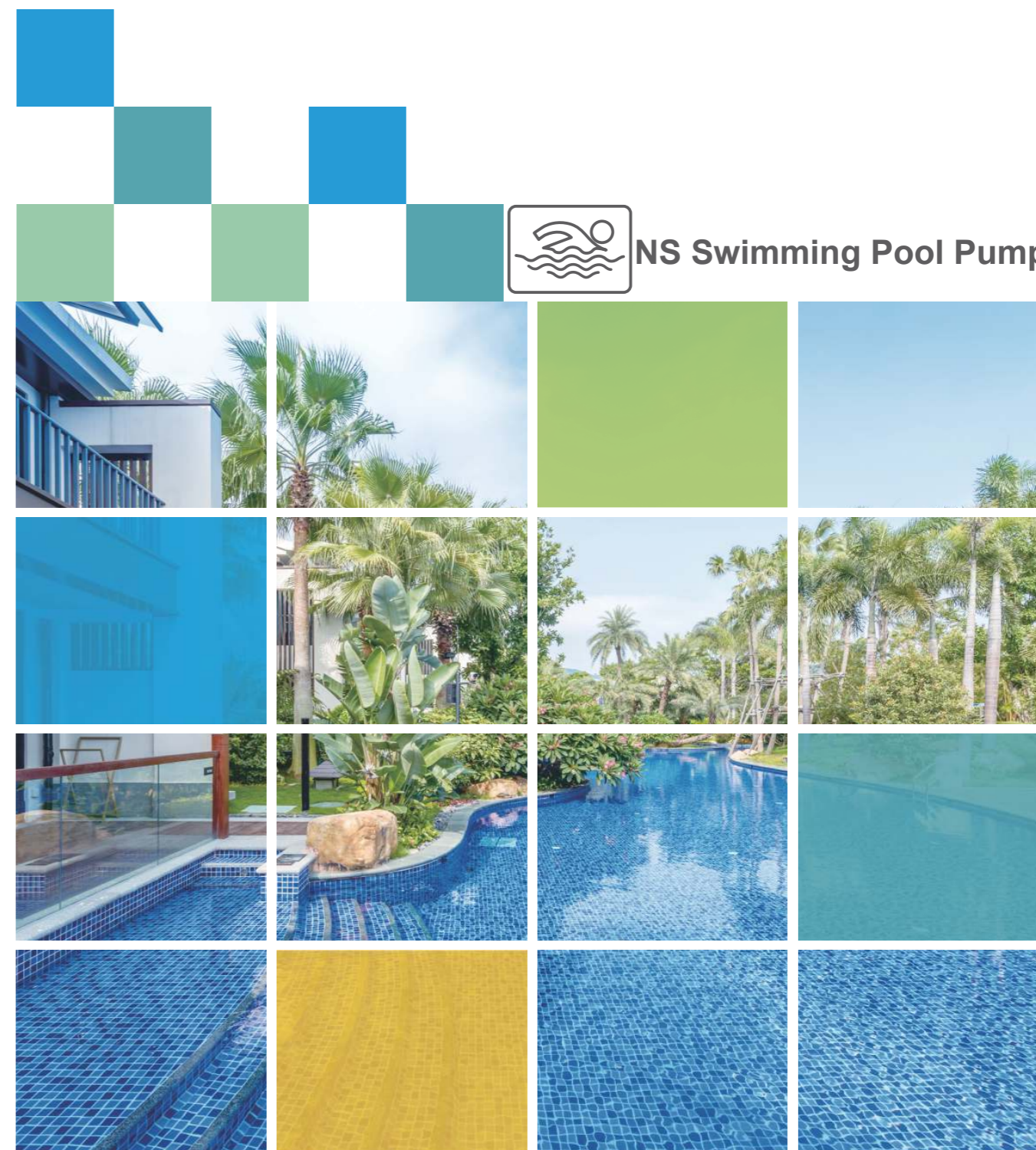




Nanfang Zhongjin Environment Co.,Ltd.

CNP headquarter
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E190514
 Subject to amendments



Pumping Water

Pumping Honor

CONTENTS

COMPANY PROFILE

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Founded in 1991, CNP has been listed on Shenzhen Stock Exchange on 9th December, 2010; Stock name: CNP; Stock code: 300145.

As the first enterprise specializing in the research and large-scale production of stainless steel multistage centrifugal pump in China, CNP is currently the professional manufacturer with the biggest production and marketing in this industry.

It ranks first in the country in terms of product scope, sales volume, and production quantity. The company has set up a complete network of marketing services to meet the requirements of overseas markets as well as domestic needs. The products have seen a wide range of application in the area of pressurization, industry, living water, cycling of air-conditioning water, heat supply, fire extinguishing system, pumping of underground water, treatment of sewage and waste water, chemical industry and desalination of sea water, etc.

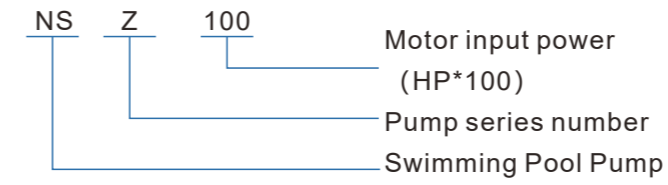
In order to meet customers' needs better, CNP has always been committed to the R&D of new products. As a new CNP product, Swimming Pool Pump is convenient to use and maintain with compact structure, stable operation, low noise, beautiful appearance and light weight. CNP, a green water expert beside you.



CORPORATE CULTURE

- I Core value: Integrity , win-win pursue, self-transcendence
- II Mission: Pumping water ,Pumping honor
- III Vision: A green water expert
- IV Operation tenet: Quality first, Credibility supremacy
- V Enterprise principle: Solidarity, deployment, innovation, effort advance
- VI Social responsibility: Dedicated members of public welfare
- VII Management policy: Customer first, High quality and efficient, environment friendly
- VIII Quality promise: Swift delivery ,good service
- IX Cooperation value: Work together with peers ,superior and subordinate
- X Talent value: Contribution matters

Model definition



Typical applications

- Water circulation and filtration in large swimming pools

Material

- Pump body, impeller, filter : Stainless Steel AISI 304
- Pump shaft: Stainless Steel AISI 304
- Mechanical seal: Graphite/Silicon carbide
- Rubber parts : NBR

Motor

- 380V 50HZ
- TEFC secondary motor
- Protection class: IP55
- Insulation class: F

Working condition

- Liquid temperature: -20~100 °C
- Ambient temperature: ≤40 °C
- System pressure: ≤10 bar

Curve condition

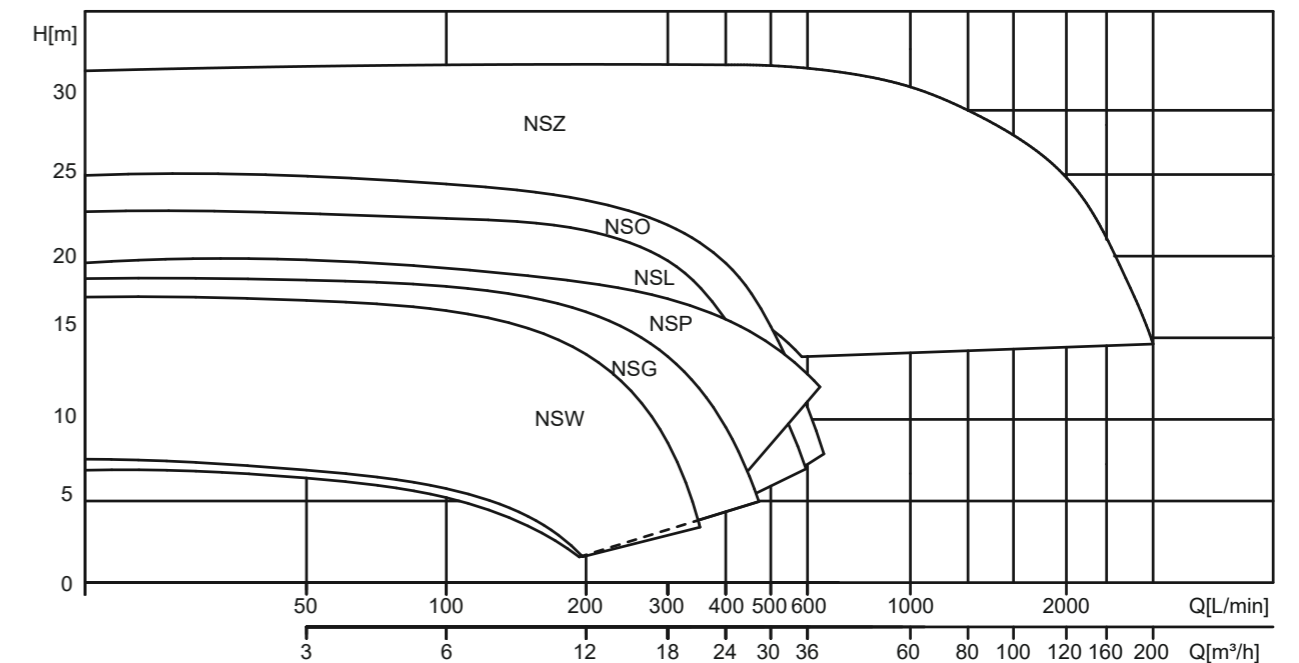
Following conditions are suitable for performance curve below.

- Curve tolerance in conformity to ISO 9906:2012, Grade 3B.
- All curves are based on measured values under motor speed 2900rpm or 2950rpm.
- Measurement is done with 20°C air-free water, kinematic viscosity of 1mm²/sec.

Characteristic

- NSZ stainless steel horizontal single stage swimming pool pump, are made by advanced processing like stainless steel plate stamping and bulging welding technology. It can replace traditional casting pool pumps. It is high efficient, energy saving, light corrosion resistant with beautiful appearance, light but compact structure, low noise and long durability.

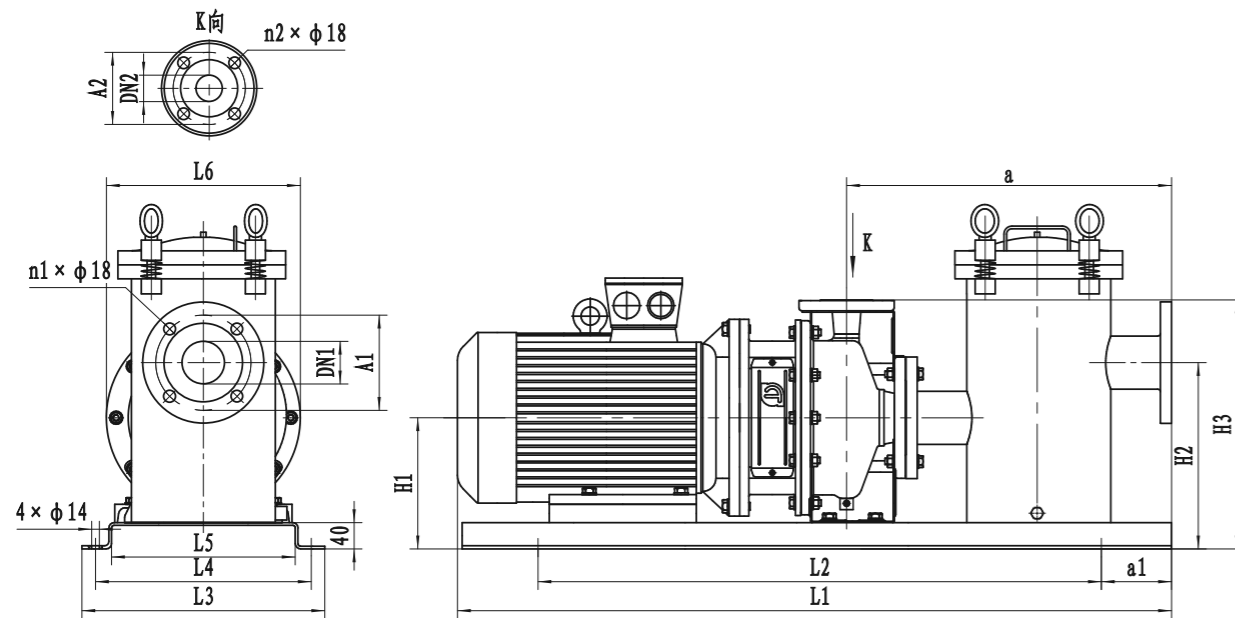
Performance scope



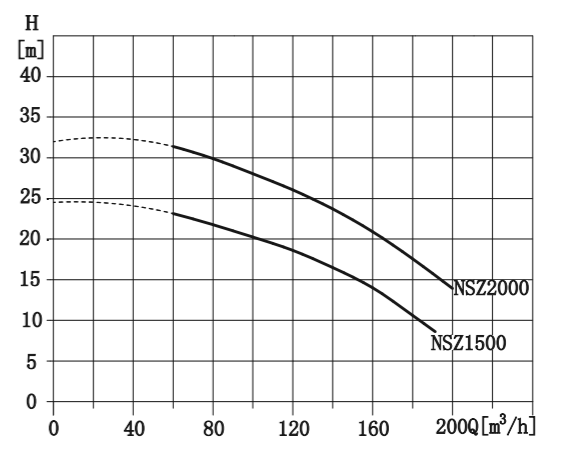
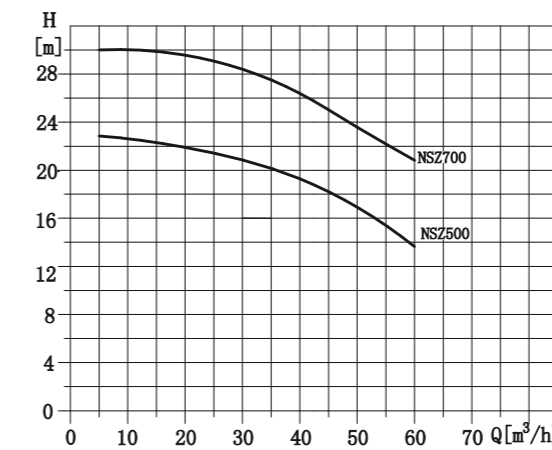
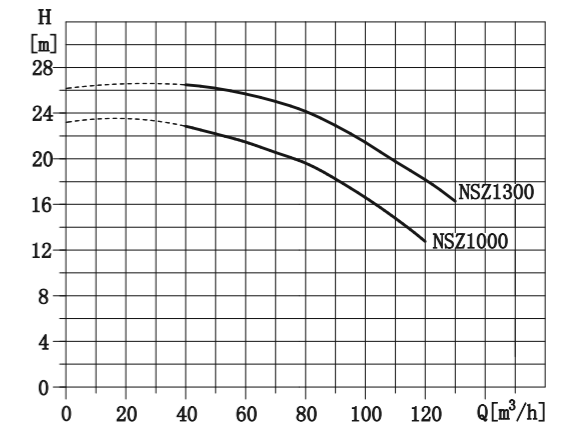
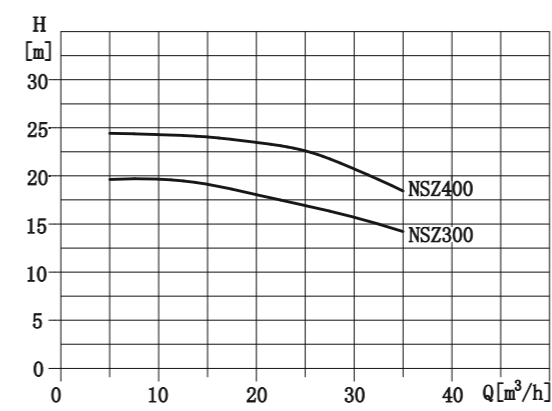
NSZ series



Installation sketch



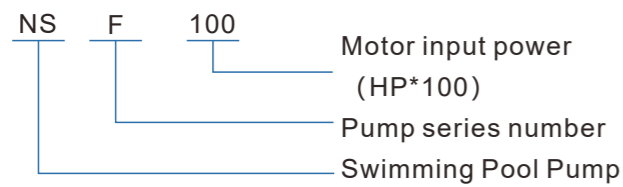
Model	Dimension [mm]																
	DN1	DN2	A1	A2	n1	n2	a	a1	H1	H2	H3	L1	L2	L3	L4	L5	L6
NSZ300	65	40	118	84	4	4	460	35	152	272	294	882	810	280	240	192	210
NSZ400	65	40	118	84	4	4	460	35	152	272	294	912	840	300	260	212	250
NSZ500	65	50	118	98	4	4	466	41	172	292	338	950	870	330	290	242	250
NSZ700	65	50	118	98	4	4	480	41	200	290	380	1060	960	370	330	280	300
NSZ1000	80	65	130	118	8	4	535	50	200	320	380	1125	1025	370	330	280	300
NSZ1300	80	65	130	118	8	4	535	50	200	320	380	1125	1025	370	330	280	300
NSZ1500	100	80	150	130	8	8	675	50	220	370	445	1380	1280	420	380	330	350
NSZ2000	100	80	150	130	8	8	675	50	220	370	445	1380	1280	420	380	330	350



Performance table

Model	P1		Max. Head [m]	Max. Flow [m³/h]	Flow Q [m³/h]	Head H [m]											
	[kW]	[HP]				5	10	20	30	35	40	50	60				
NSZ300	2.2	3	20	35	Head H [m]	19.0	18.7	18.1	15.5	13.8							
NSZ400	3	4	25.7	35		24.4	24.0	23.6	20.7	18.5							
NSZ500	4	5	24.2	60		23.0	23.0	22.4	21.0	19.7	19.5	17.1	13.3				
NSZ700	5.5	7	31.6	60		30.0	29.9	29.5	29.0	27.0	26.3	23.8	19.4				
Model	P1		Max. Head [m]	Max. Flow [m³/h]	Flow Q [m³/h]	Head H [m]											
	[kW]	[HP]				40	60	80	100	120	140	160	180	200			
NSZ1000	7.5	10	24.5	120	Head H [m]	23.0	21.7	19.7	16.6	12.7							
NSZ1300	9.2	13	28.1	130		26.4	25.7	24.2	21.2	18.1	16.4						
NSZ1500	11	15	23.8	192		23.1	22.4	21.3	19.8	18.5	16.2	13.8	10.6				
NSZ2000	15	20	32.3	200		31.4	30.4	29.0	27.4	25.6	23.1	20.2	16.9	14.5			

Model definition



Working condition

- Liquid temperature: 5~50 °C
- Ambient temperature: ≤50 °C
- Max. working pressure: 0.3 MPa

Typical applications

- domestic and commercial swimming pool
- water park
- water landscape
- seawater farming
- hot spring spa

Material

- Pump body、 impeller、 diffuser、 inlet and outlet : engineering plastics
- Pump shaft: Stainless Steel SUS304
- Mechanical seal: Graphite/Ceramics
- O ring : NBR
- Motor casing: Aluminum

Motor

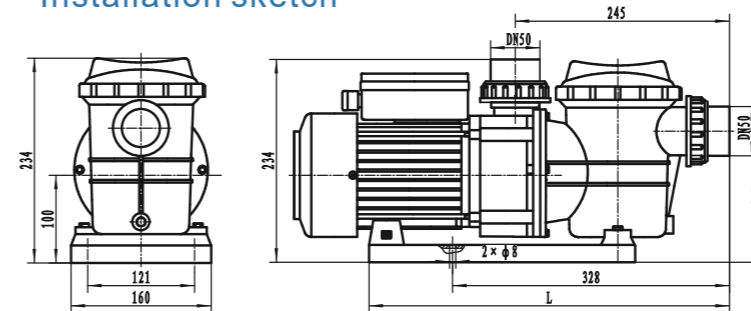
- 220V, asynchronous, 2 poles
- Protection class: IP55
- Insulation class: F
- Can be operated continuously
- Single-phase motor needs built-in overheating protection device.

Self - Priming Lift

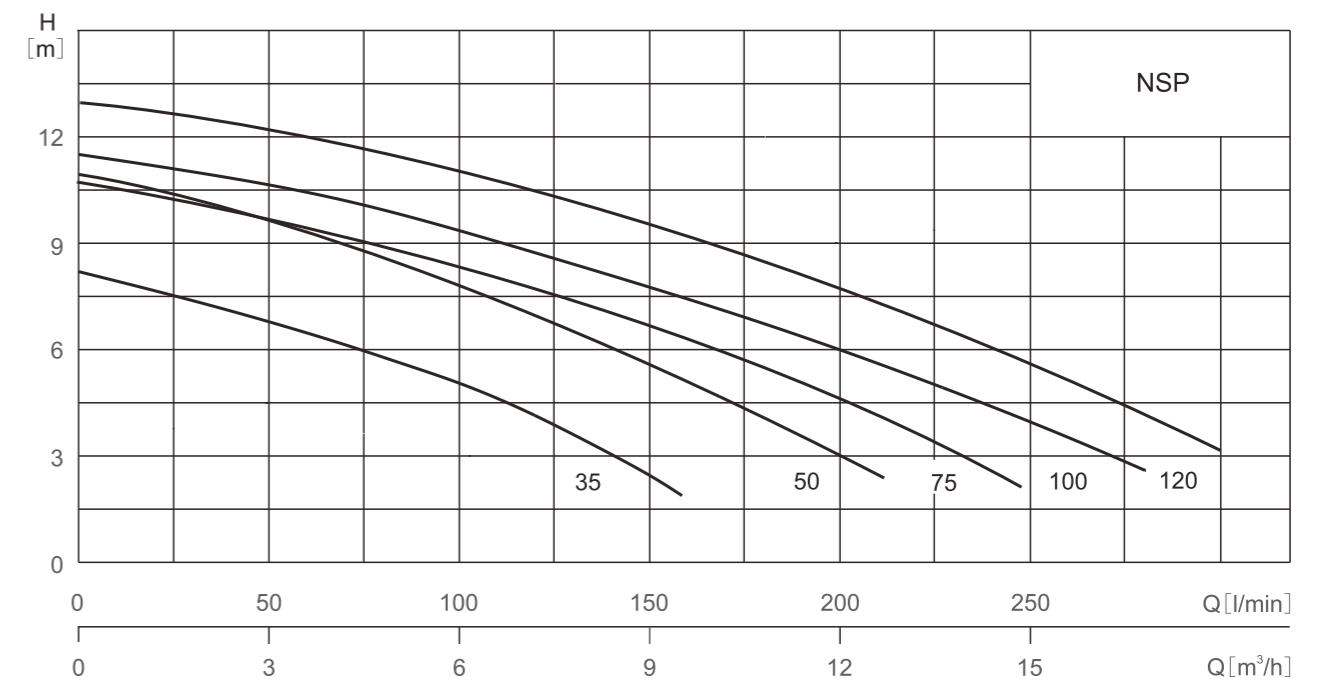
- NSW series: up to 2m.
- NSW/NSO/NSL series: up to 3m.

NSP series

Installation sketch



Model	NSP35	NSP50	NSP75	NSP100	NSP120
L	473	473	495	495	495

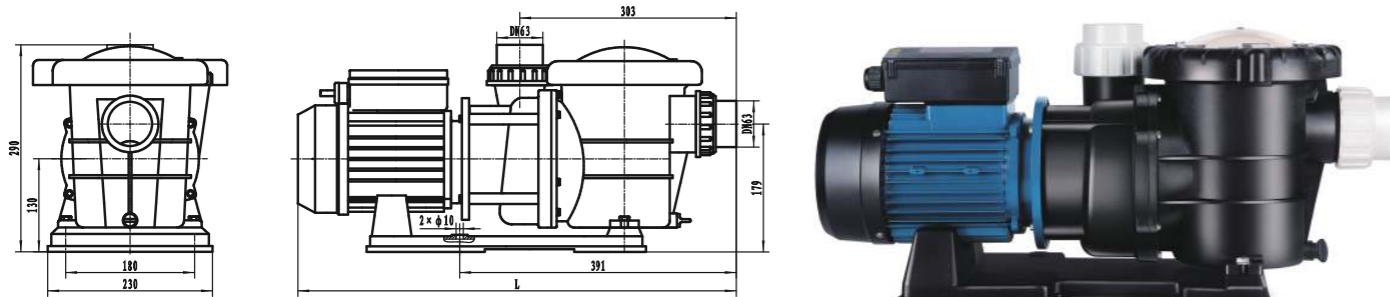


Performance table

Model	P1		Max. Head [m]	Max. Flow [m³/h]	Flow Q	[l/min]	50	100	150	200	250
	[kW]	[HP]				[m³/h]	3	6	9	12	15
NSP35	0.25	0.35	8	10	Head H [m]	6.8	5	2.5			
NSP50	0.37	0.5	11	13		9.6	7.7	5.6	3		
NSP75	0.55	0.75	10.5	14		9.6	8.4	6.7	4.6		
NSP100	0.75	1	11	17		10.6	9.3	7.6	5.9	3.7	
NSP120	0.9	1.2	13	18		12.1	10.8	9.5	7.6	5.5	

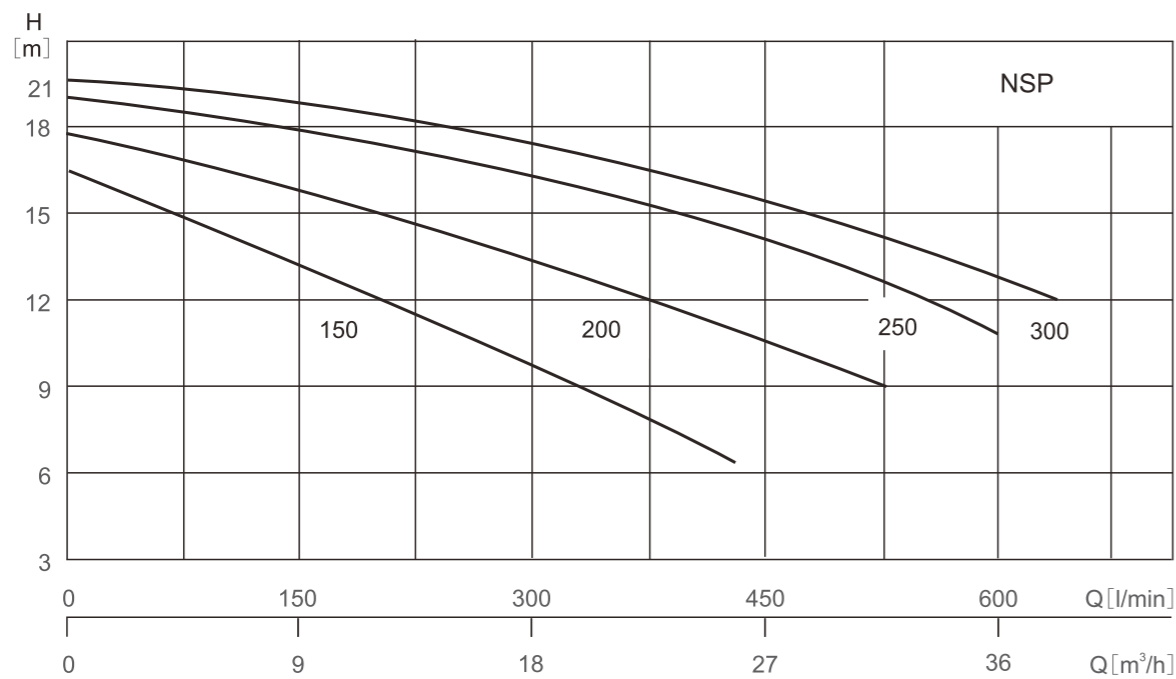
NSP series

Installation sketch



Model	NSP150	NSP200	NSP250	NSP300
L	483	483	505	505

Performance curve

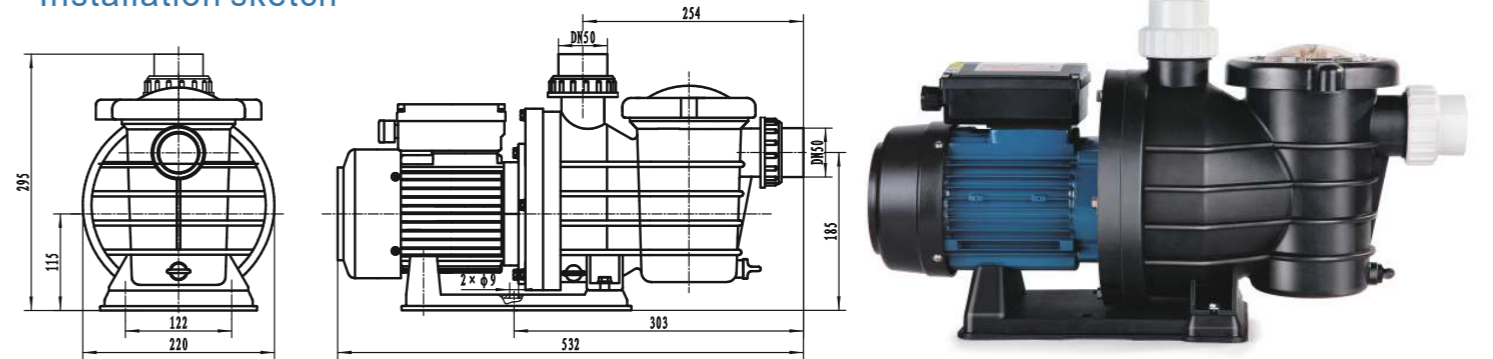


Performance table

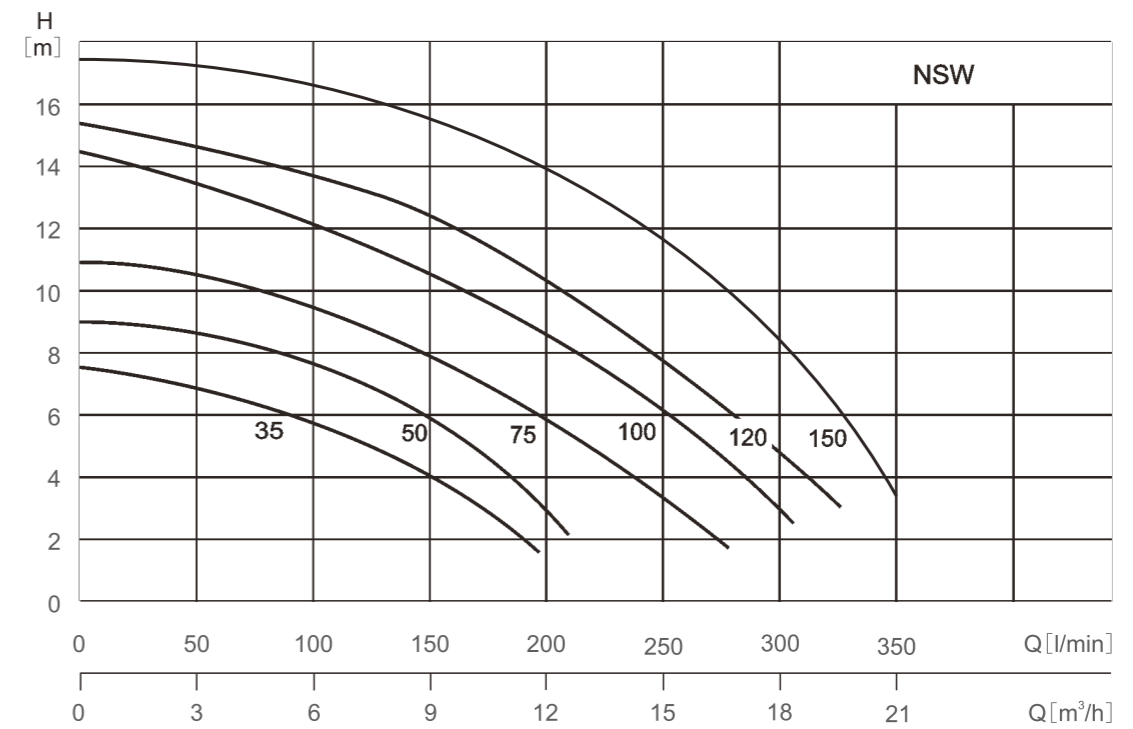
Model	P1		Max. Head [m]	Max. Flow [m³/h]	Flow Q	[l/min]	150	300	450	600
	[kW]	[HP]				[m³/h]	9	18	27	36
NSP150	1.1	1.5	16.5	26	Head H[m]	13.2	9.7			
NSP200	1.5	2.0	18	31		16	13.3	10.6		
NSP250	1.85	2.5	19	36		17.9	16.3	14.1	10.7	
NSP300	2.2	3.0	19.5	38		18.8	17.4	15.5	12.8	

NSW series

Installation sketch



Performance curve

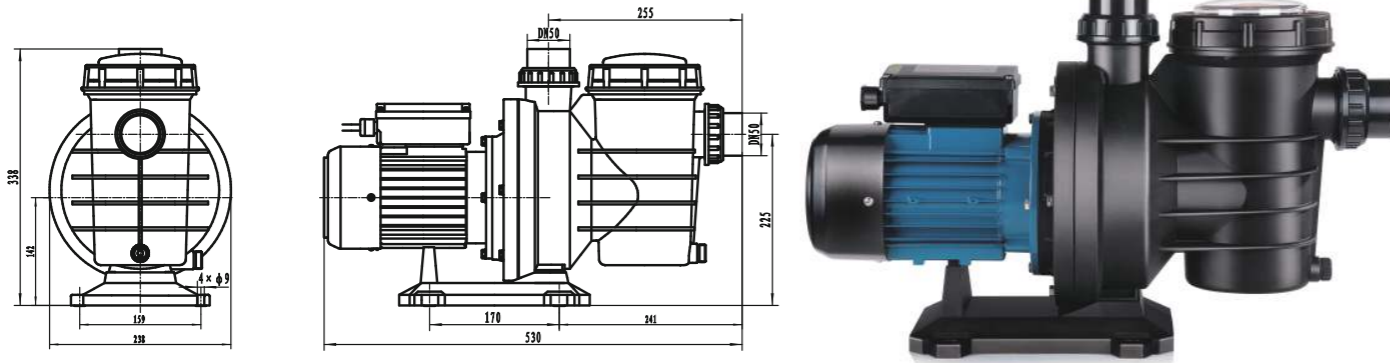


Performance table

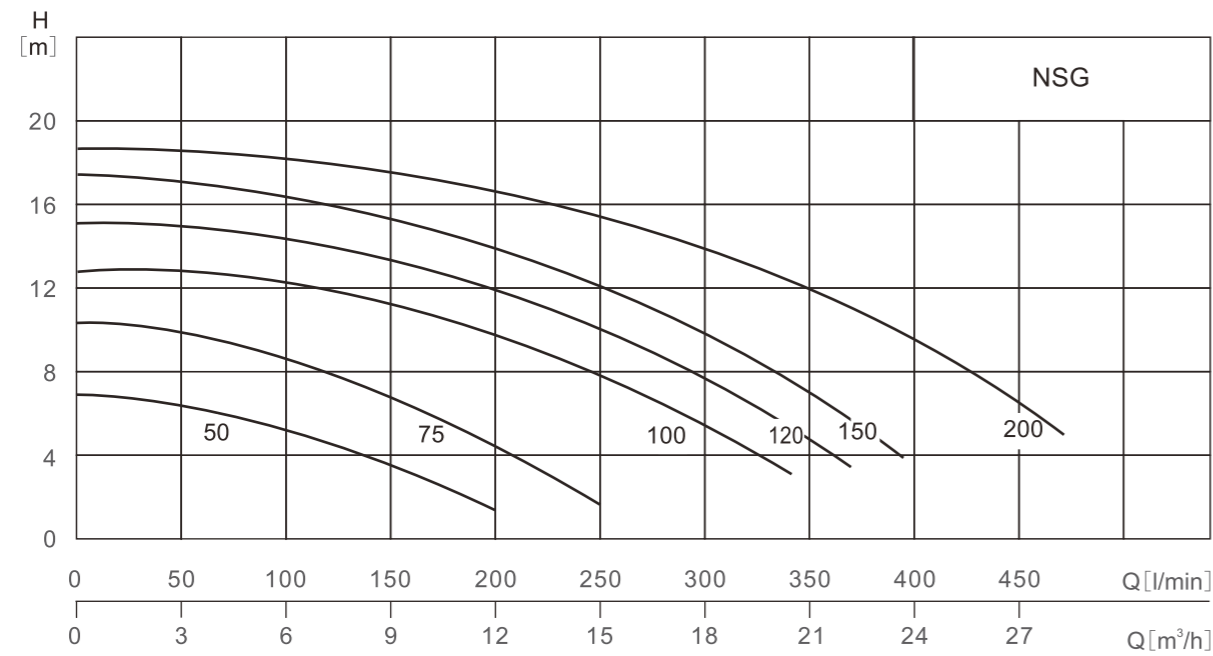
Model	P1		Max. Head [m]	Max. Flow [m³/h]	Flow Q	[l/min]	50	100	150	200	250	300
	[kW]	[HP]				[m³/h]	3	6	9	12	15	18
NSW35	0.25	0.35	7.5	11	Head H[m]	7	5.6	4				
NSW50	0.37	0.5	9	13		8.7	7.7	6	3			
NSW75	0.55	0.75	11	17		10.5	9.4	8	5.8	3		
NSW100	0.75	1.0	14.5	19		13.5	12.2	10.7	8.5	6.2	3	
NSW120	0.9	1.2	15.5	20		14.7	13.7	12.6	10.3	7.8	4.9	
NSW150	1.1	1.5	17.5	21		17.3	16.8	15.5	14	11.8	8.5	

NSG series

Installation sketch



Performance curve

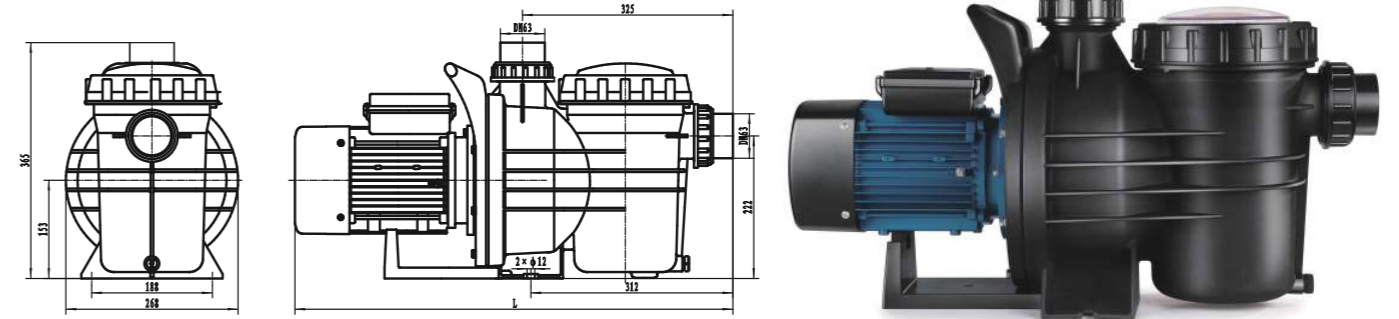


Performance table

Model	P1		Max. Head [m]	Max. Flow [m³/h]	Flow Q	[l/min]	50	150	250	350	450
	[kW]	[HP]				[m³/h]	3	9	15	21	27
NSG50	0.37	0.5	7	12	Head H[m]	6.4	3.5				
NSG75	0.55	0.75	10	15		9.8	6.9	2			
NSG100	0.75	1.0	12.5	20		12.9	11	7.8			
NSG120	0.9	1.2	15	22		15	13.2	10	4.8		
NSG150	1.1	1.5	17.5	23		17.3	15.2	12.4	7		
NSG200	1.5	2.0	18.5	28		18.5	17.6	15.2	12	7.3	

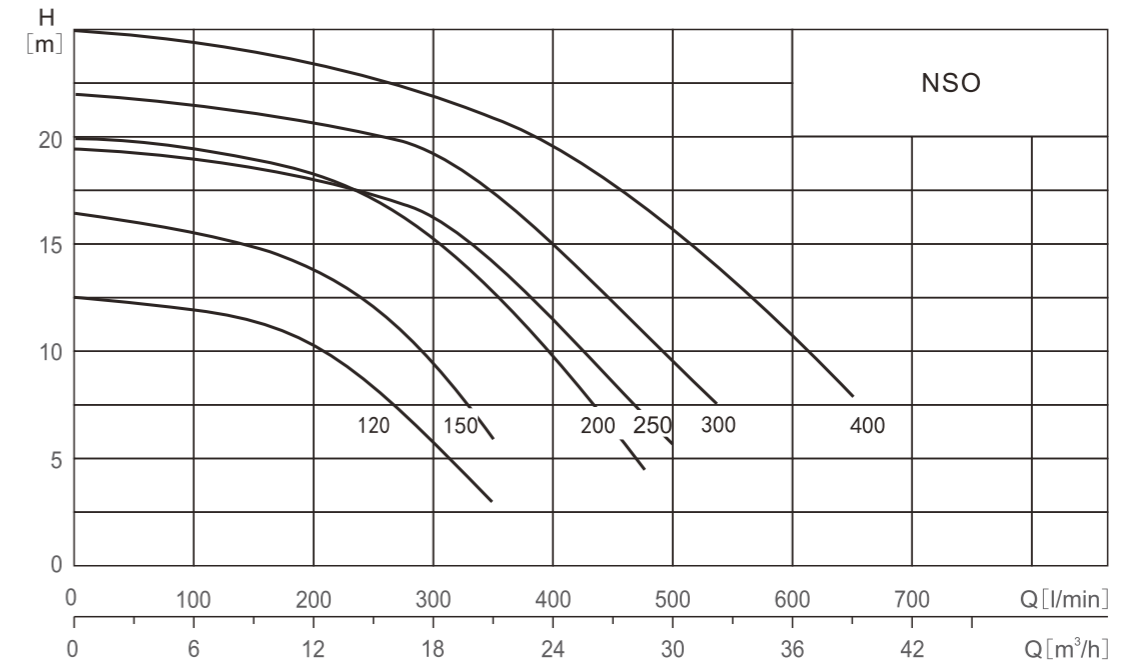
NSO series

Installation sketch



Model	NSO120	NSO150	NSO200	NSO250	NSO300	NSO400
L	643	643	643	643	656	680

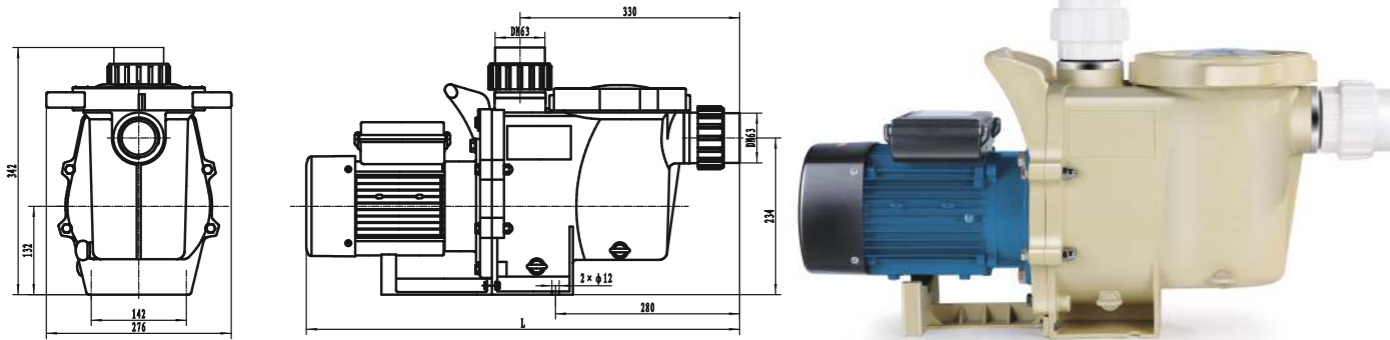
Performance curve



Performance table

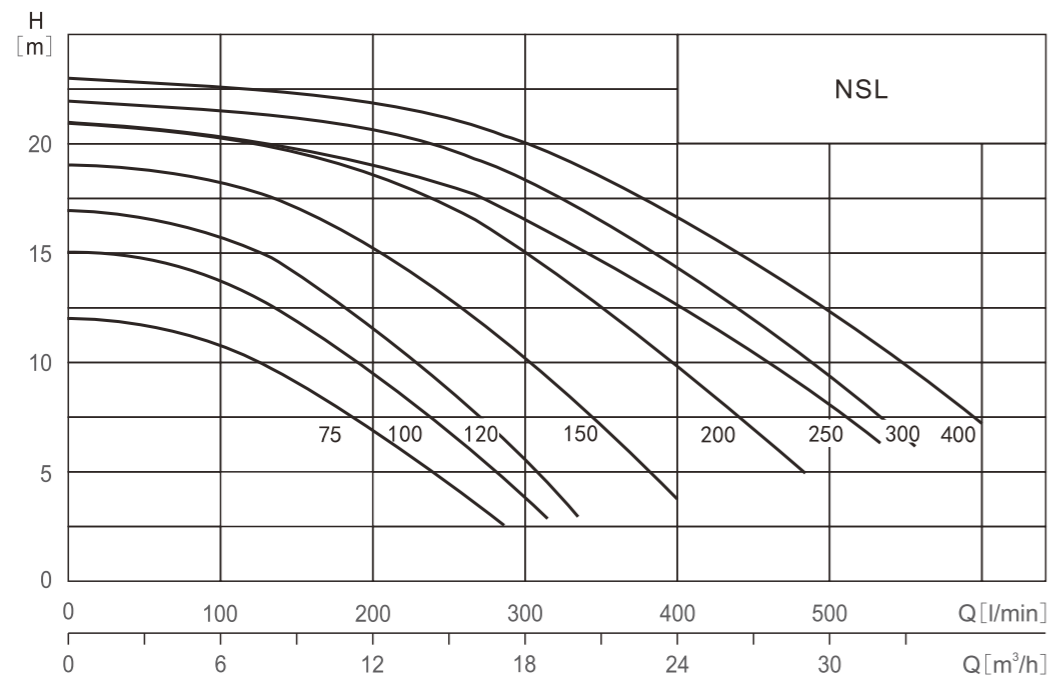
Model	P1		Max. Head [m]	Max. Flow [m³/h]	Flow Q	[l/min]	100	200	300	400	500	600
	[kW]	[HP]				[m³/h]	6	12	18	24	30	36
NSO120	0.9	1.2	12.5	21	Head H[m]	12	10.3	5.8				
NSO150	1.1	1.5	16.5	21		15.5	13.7	9.8				
NSO200	1.5	2.0	20	27		19.3	18.4	16	11.3	4.6		
NSO250	1.85	2.5	19.5	30		19.5	18	16.3	12.7	8.4		
NSO300	2.2	3.0	22	33		21.5	20.7	19.3	16	12.5	7.5	
NSO400	3.0	4.0	25	39		24.5	23.5	21.9	19.7	15.7	10.7	

NSL series
Installation sketch



Model	NSL75	NSL100	NSL120	NSL150	NSL200	NSL250	NSL300	NSL400
L	652	652	650	652	652	652	665	685

Performance curve



Performance table

Model	P1		Max. Head [m]	Max. Flow [m³/h]	Flow Q	Head H [m]				
	[kW]	[HP]				[l/min]	100	200	300	400
NSL75	0.55	0.75	12	17	Head H [m]	6	12	18	24	30
NSL100	0.75	1.0	15	19		10.8	6.9			
NSL120	0.9	1.2	17	20		13.7	9.5	3.8		
NSL150	1.1	1.5	19	24		15.7	11.5	5.5		
NSL200	1.5	2.0	21	29		18	15.4	10.5	4.7	
NSL250	1.85	2.5	21	32		20.2	18.5	15	9.8	
NSL300	2.2	3.0	22	33		20.2	18.9	16.5	12.5	8
NSL400	3.0	4.0	23	36		21.5	20.7	18.4	14.3	9.4
						22.4	21.5	19.7	13.8	12

Typical cases



Bird's Nest(Olympic stadium)



Hilton Hotel (Guangzhou)



CCTV tower



Daishan County Xiushan Seawater Desalination Project



Exported to Dubai, the Netherlands etc.



Cooperate with many universities, establish R&D center, high-level production and study platform.