



General brochure of Pool pump products



Stock code:300145



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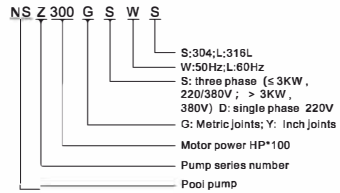
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subject to amendments



Pumping Water Pumping Honor

NSZ stainless steel swimming pool pump

Model Definition



Materials

- Pump body, impeller, diffuser: Stainless Steel AISI304
- Pump shaft: Stainless Steel AISI304
- Mechanical seal: Graphite/Ceramics
- Rubber parts: NBR

Motor

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

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.



Working condition

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

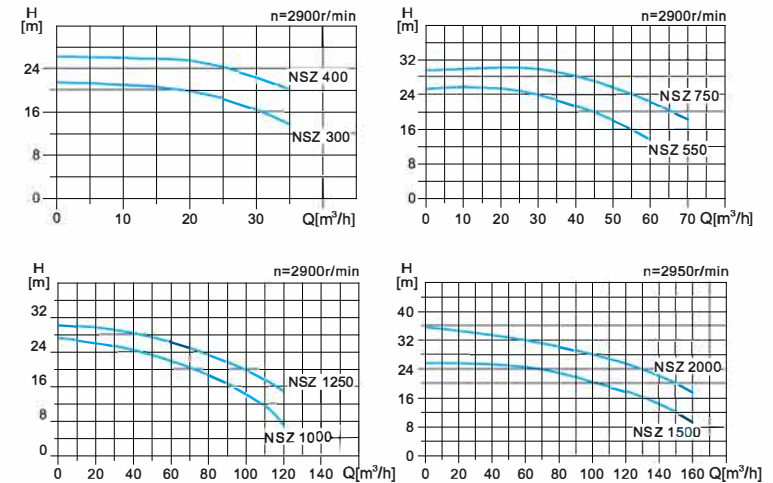
Typical applications

- Water circulation and filtration in large pools

Curve condition

- Following condition are suitable for performance curve below.
- Curve tolerance in conformity to ISO9906:2012 Grade 3B.
- All curves are based on measured values under motor speed 2900rpm or 2950 rpm.
- Measurement is done with 20°C air-free water, kinematic viscosity of 1 mm²/s.

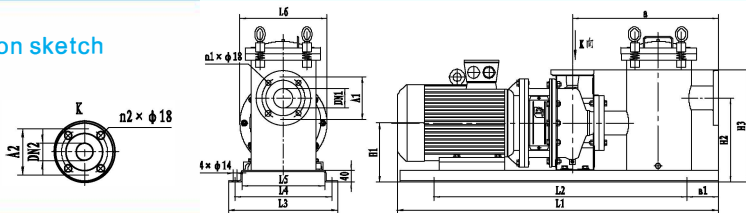
Performance curve



Performance table

Model	P ₂		Max.Head [m]	Max.Flow [m³/h]	Flow Q[m³/h]	5	10	20	30	35	50	60	70
	[KW]	[HP]											
NSZ300	2.2	3	21.3	35	Head H[m]	21.1	20.9	19.8	16.4	13.6			
NSZ400	3	4	26.1	35		26.1	25.8	25.3	22.4	20.0			
NSZ550	4	5	25.6	60		25.5	25.6	25.3	23.9	22.7	18.0	13.6	
NSZ750	5.5	7	30.0	70		29.6	29.7	30.0	29.7	29.0	25.5	25.5	18.2
Model	P ₂		Max.Head [m]	Max.Flow [m³/h]	Flow Q[m³/h]	20	40	60	80	100	120	140	160
	[KW]	[HP]											
NSZ1000	7.5	10	27.0	120	Head H[m]	26.0	24.3	21.8	18.6	14.3	6.9		
NSZ1250	9.2	13	30.1	120		29.5	28.2	26.2	23.2	19.7	14.8		
NSZ1500	11	15	25.5	160		25.5	25.2	24.5	22.9	20.4	17.8	14.3	9.4
NSZ2000	15	20	35.4	160		34.5	33.3	31.8	30.1	28.0	25.5	22.0	17.6

Installation sketch



Model	Dimension[mm]															
	DN1	DN2	A1	A2	n1	n2	a	a1	H1	H2	H3	L1	L2	L3	L4	L5
NSZ300	65	40	145	110	4	4	460	35	152	272	294	882	810	280	240	210
NSZ400	65	40	145	110	4	4	460	35	152	272	294	912	840	300	260	250
NSZ550	65	50	145	125	4	4	466	41	172	292	338	950	870	330	290	250
NSZ750	65	50	145	125	4	4	480	41	200	290	380	1060	960	370	330	300
NSZ1000	80	65	160	145	8	4	535	50	200	320	380	1125	1025	370	330	300
NSZ1250	80	65	160	145	8	4	535	50	200	320	380	1125	1025	370	330	300
NSZ1500	100	80	180	160	8	8	675	50	220	370	445	1380	1280	420	380	350
NSZ2000	100	80	180	160	8	8	675	50	220	370	445	1380	1280	420	380	350