

hydroo®

HP00L SERIES

HPO, HPG, HPZ

Swimming pool pump

泳池泵

50Hz





CONTENTS 目录

English Catalogue(GB)

Presentation	4
Performance scope	5
Definition of model	6
Product performance,installation and curves	10

中文样本 (CN)

公司简介	7
性能范围	8
型号说明	9
产品性能， 安装尺寸	10

PRESENTATION

HYDROO has set up a worldwide distribution network together with key partners, providing value to our pump engineers and end users. Ours is a wide range product portfolio with high-end solutions for the pumping business in many applications including water supply, booster sets, fire-fighting sets, borehole wells, HVAC, drainage and sewage, utilities, irrigation, desalination and RO sets, OEM Integration among many others. We provide solutions for all the markets of 50 Hz and 60 Hz, including customized versions.

HYDROO has factories in Palol de Revardit (Catalonia-Spain) and Hangzhou (China) seized to guarantee our reliable, long-term based, personalized treatment and best service to all our customers. We can provide a wide range of products in an extremely short delivery time from our factories, thanks to our lean manufacturing processes and our qualified enthusiastic team.

We have compiled our commitment with ethics and legislation in relation to third parties in a public document of principles. The document has been worked with the entire HYDROO team and its deployment has been started with a committee that will ensure compliance and strengthening in the business culture of the company.

The expansion of HYDROO by means of excellence in operations and successful business relationship with our partners is symbolized in the growth pace in the target markets and the valuable timely and effective service.

At HYDROO we bet on a high level service to our valued pump partners.

HP

Swimming pool pump

Application

Domestic and commercial swimming pool
Water park
Water landscape gardening
Mariculture
Water circulation and filtration in large swimming pools
SPA

Description

Swimming pool pump, standard totally enclosed, fan cooled, insulation class F, IP55 motors, single phase motor built in over heating protection device, operated continuously.

Performance range

Liquid temperature: 5~50 °C

Ambient temperature: ≤50 °C

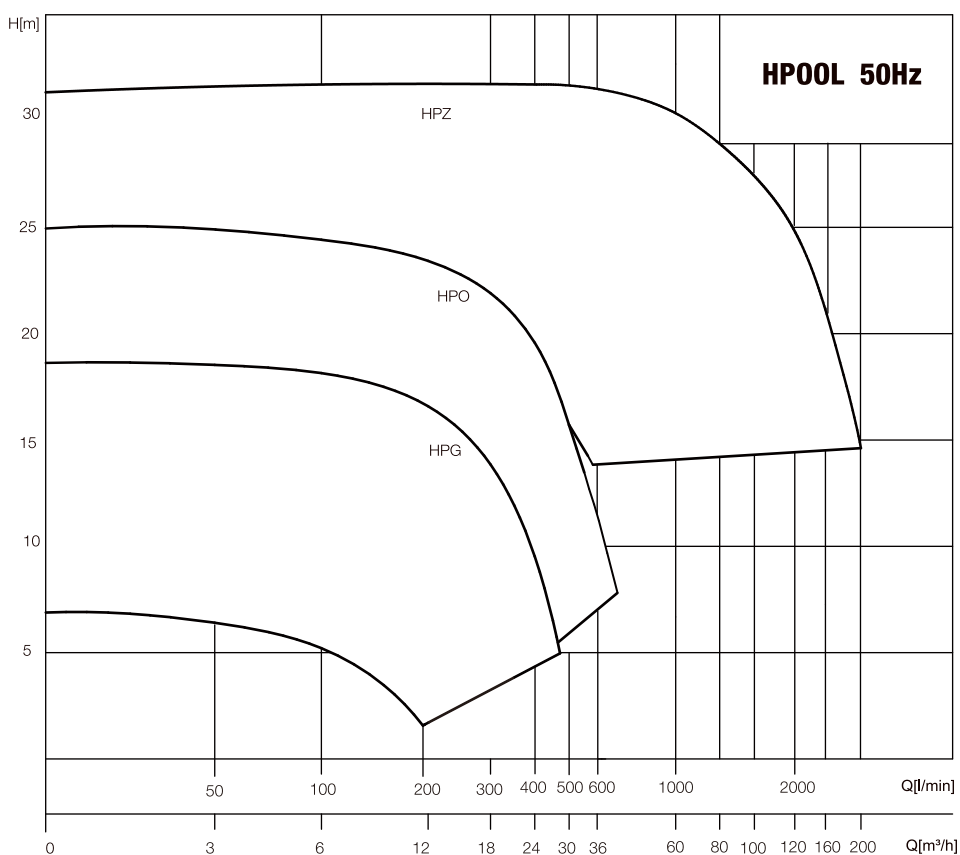
Max. working pressure: ≤ 3bar

Standard material

Pump body, impeller, inducer, inlet and outlet: engineering plastics
Pump shaft: AISI304
Mechanical seal: graphite/ceramics
O-ring : NBR
Motor: cast aluminum

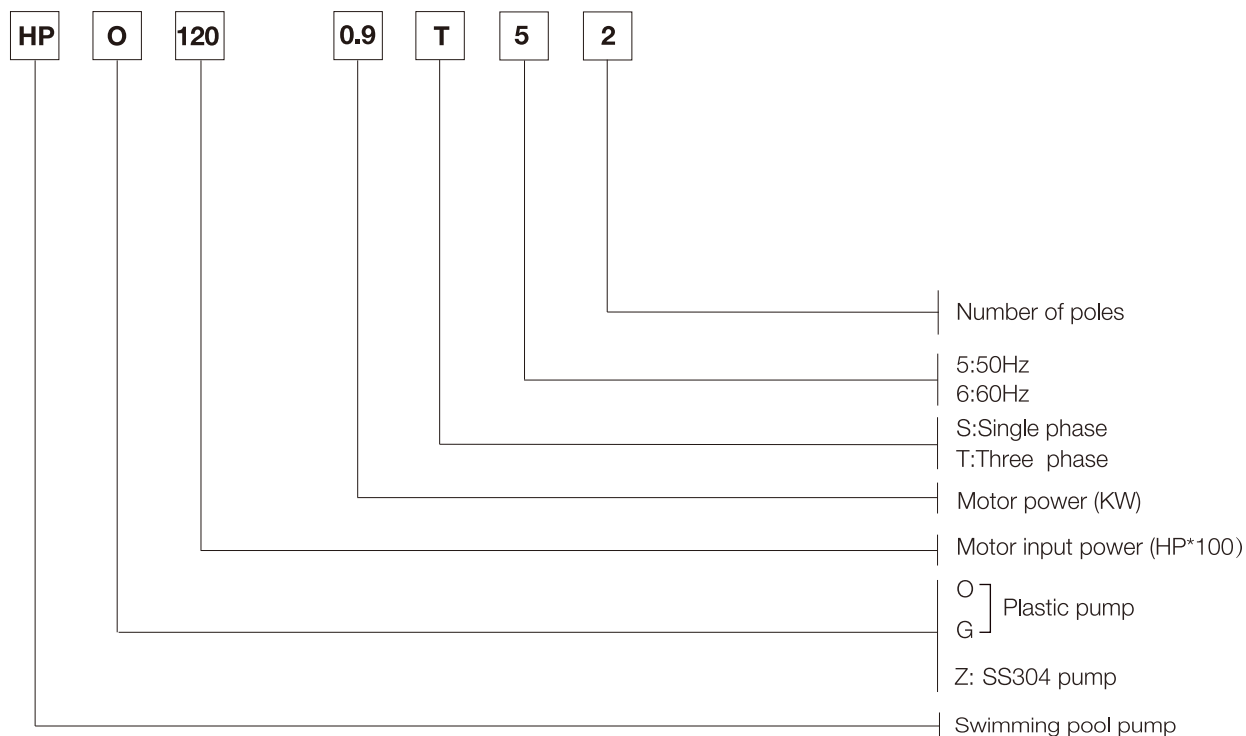


Performance scope



Definition of model

HPO,HPG,HPZ



Self-priming lift

1.HPO/HPG series: up to 3m.

Motor

- 1.220V, asynchronous, 2 poles.
2. Protection class: IP55.
3. Insulation class: F.
4. Can be operated continuously.
5. Single-phase motor built-in overheating protection device.

Curve condition

Following conditions are suitable for performance curve below.

1. Curve tolerance in conformity to ISO9906:2012, Grade 3B.
2. All curves are based on the measured values of 50Hz. constant motor speed 2900rpm or 2950rpm.
3. Measurement is done with 20 °C air-free water, kinematic viscosity of 1mm²/sec.

公司简介

HYDROO建立了一个全球性的销售服务网络，为各类泵工程和水泵终端用户提供专业可靠的产品和服务。HYDROO拥有完善的产品系列，在包括供水、增压、消防、地下水抽取、暖通、排水、污水、市政、灌溉、海水淡化和反渗透等诸多领域，为客户提供各类高端泵产品和泵解决方案。HYDROO的产品满足市场上50Hz/60Hz不同需求，并为客户提供个性化定制服务。

HYDROO位于西班牙巴塞罗那的生产、研发总部和位于中国杭州的工厂，是我们为客户提供长期可靠、专业的个性化定制服务的有力保障。得益于我们精益化的生产流程和专业高效的运营团队，HYDROO保证在极短的时间内将产品交付到客户手上。

在一份由全体员工参与的公开文件中，我们列明了对第三方道德与立法的承诺，并有相应的监督委员会监督并确保其执行。

营之有道，良好的客户关系，高效专业的服务，为客户创造最大价值的同时，推动着HYDROO在全球市场的快速发展。

HYDROO的宗旨是始终致力于为全球范围内的合作伙伴提供高端泵产品和泵解决方案，为客户创造更大的价值。

HP

泳池泵

应用

家用及商用泳池
水上乐园
水景园艺
海水养殖
大型泳池的水循环和过滤
温泉SPA

描述

泳池泵，全封闭，风冷，绝缘等级F，IP55标准电机，2极，单相型号内置过热保护断热装置，可连续操作。

性能范围

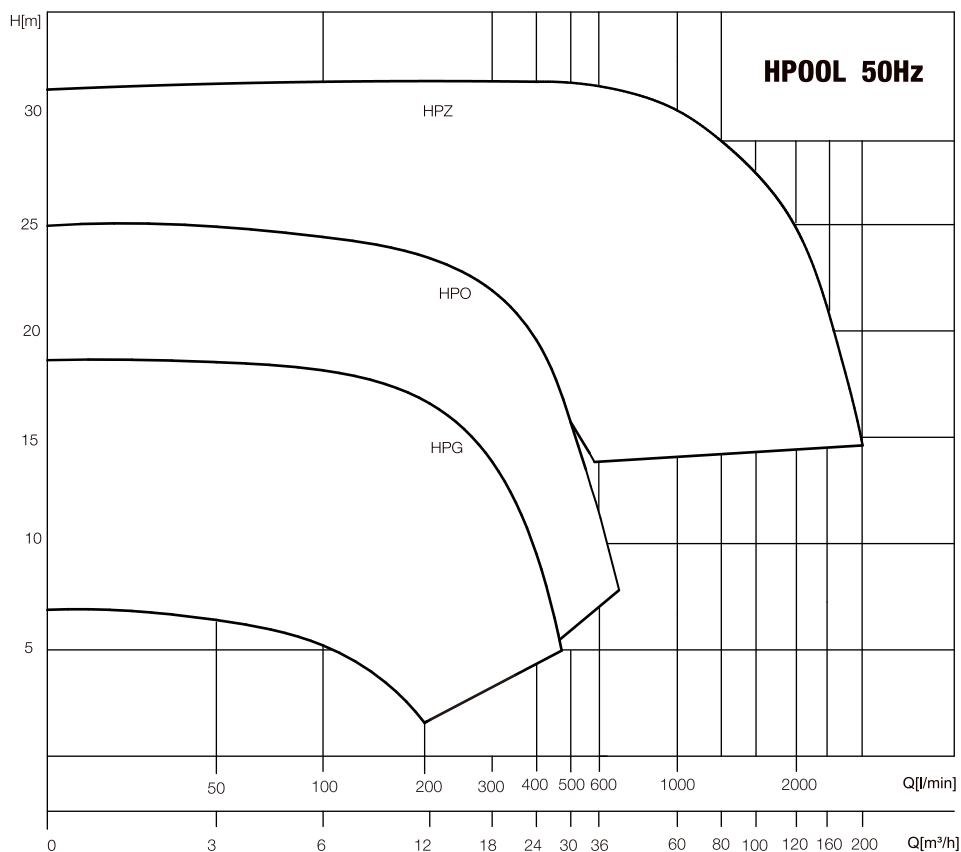
介质温度：5-50℃
环境温度：≤50℃
最大工作压力：≤ 3bar

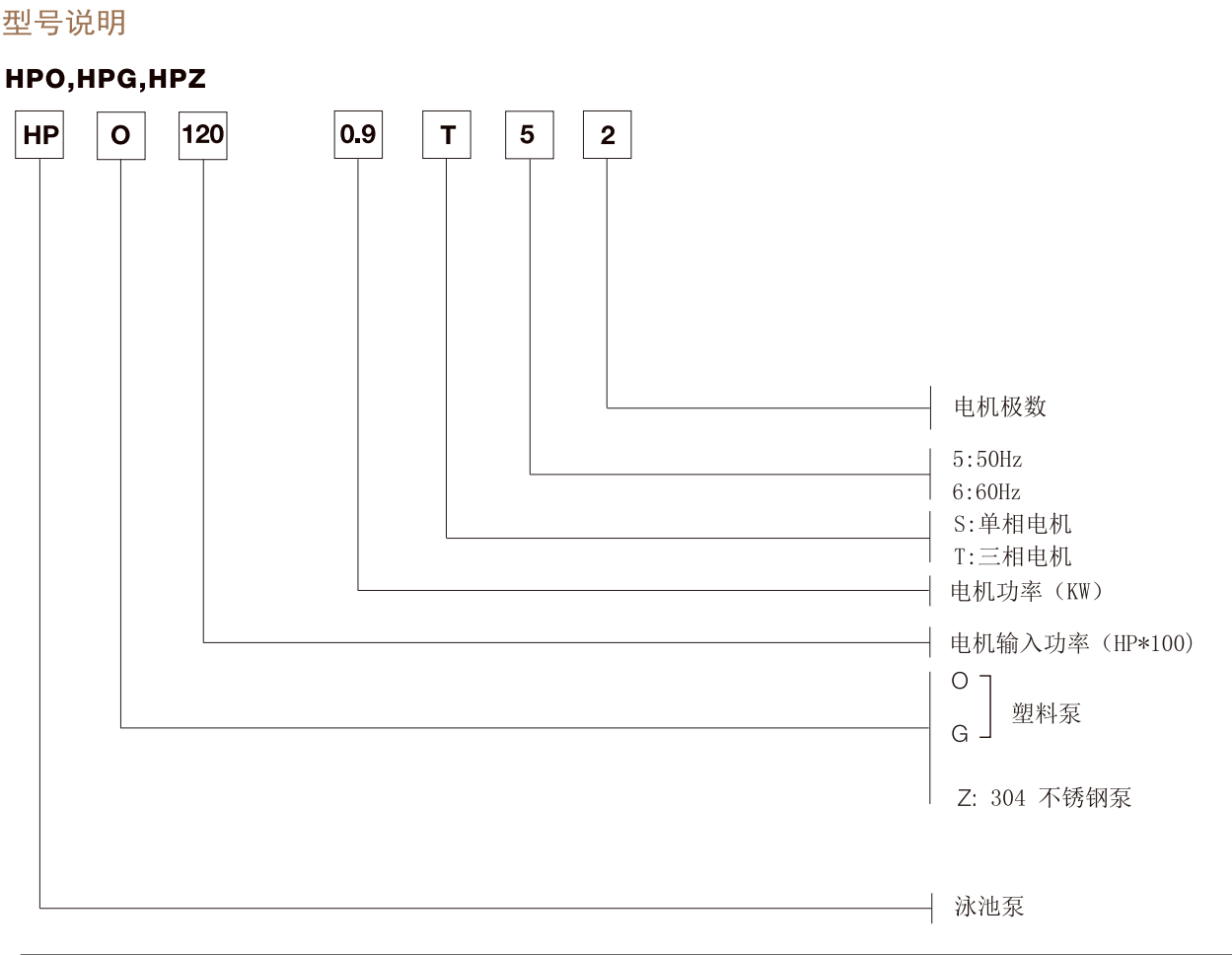
标准材质

泵体、叶轮、导流器、进出水部分均采用工程塑料/ 304不锈钢
泵轴采用 304不锈钢
机械密封模块材质选用石墨陶瓷
O型圈采用丁腈橡胶
电机壳为铸铝材质



性能范围





自吸性能

- 1. HPO系列、HPG系列
- 自吸高度达3m

电 机

- 1. 220V, 50Hz
- 2. 保护等级: IP55
- 3. 绝缘等级: F
- 4. 可连续开启
- 5. 单相电机内置过热保护装置

曲线条件

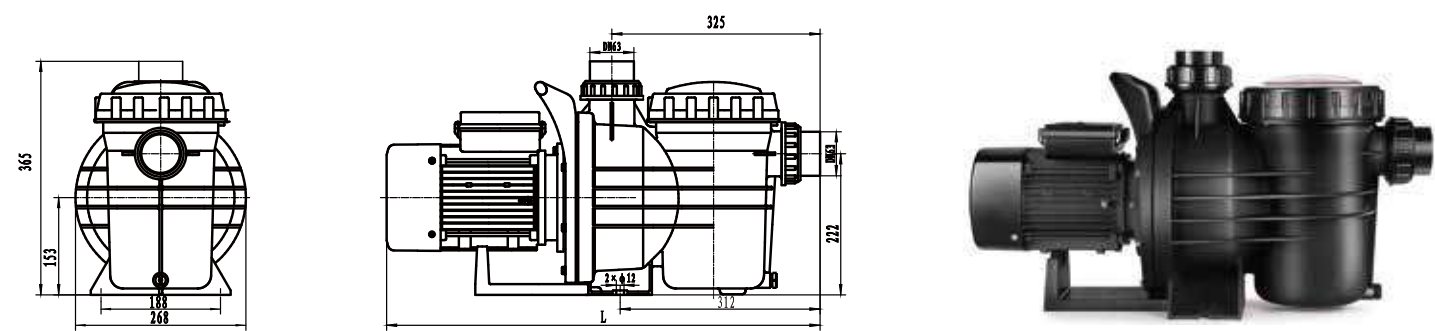
- 下列说明适用于后面所示的曲线
- 1. 曲线容差符合ISO9906 : 2012, 3B。
 - 2. 所有曲线适用于50Hz, 额定转速为测量值
2900rpm或2950rpm。
 - 3. 测试采用20℃不含空气的水, 运动粘度为1mm² /s。

HPO120-400 Performance table 性能表

Model	P1		Q	[l/min]	100	200	300	400	500	600
	[kW]	[HP]		[m³/h]	6	12	18	24	30	36
HPO120	0.9	1.2	H[m]		12	10.3	5.8			
HPO150	1.1	1.5			15.5	13.7	9.8			
HPO200	1.5	2.0			19.3	18.4	16	11.3	4.6	
HPO250	1.85	2.5			19.5	18	16.3	12.7	8.4	
HPO300	2.2	3.0			21.5	20.7	19.3	16	12.5	7.5
HPO400	3.0	4.0			24.5	23.5	21.9	19.7	15.7	10.7

Installation sketch

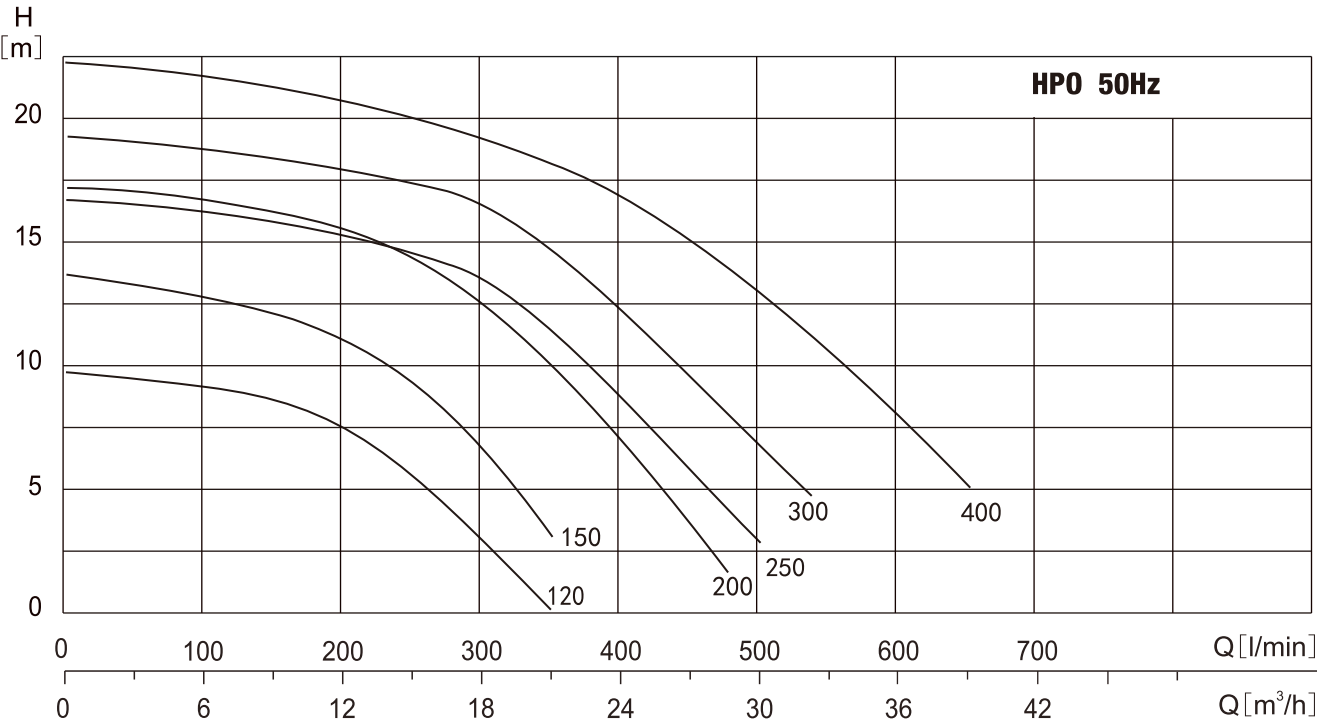
安装尺寸图



Model	HPO120	HPO150	HPO200	HPO250	HPO300	HPO400
L	643	643	643	643	656	680

Performance curve

性能曲线

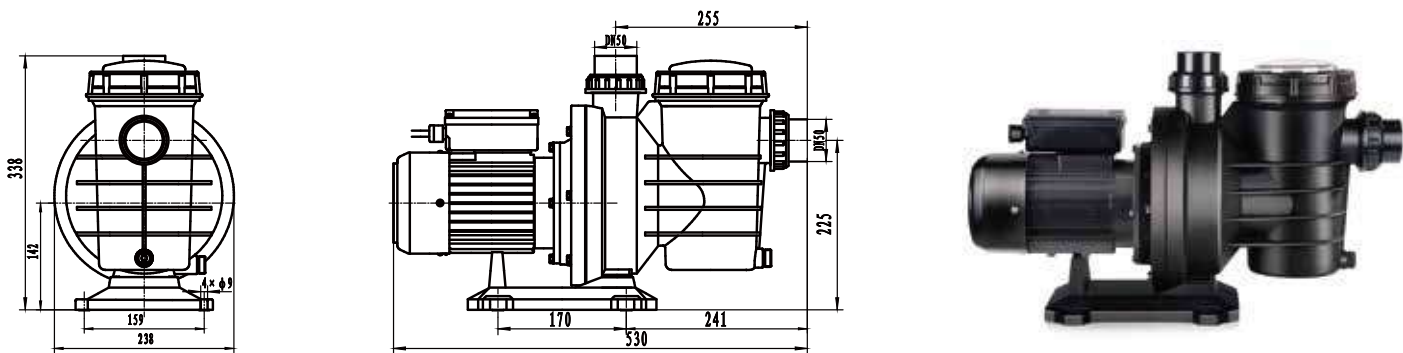


HPG50-200 Performance table 性能表

Model	P1		Q	[l/min]	50	150	250	350	450
	[kW]	[HP]		[m³/h]	3	9	15	21	27
HPG50	0.37	0.5	H[m]		6.4	3.5			
HPG75	0.55	0.75			9.8	6.9	2		
HPG100	0.75	1.0			12.9	11	7.8		
HPG120	0.9	1.2			15	13.2	10	4.8	
HPG150	1.1	1.5			17.3	15.2	12.4	7	
HPG200	1.5	2.0			18.5	17.6	15.2	12	7.3

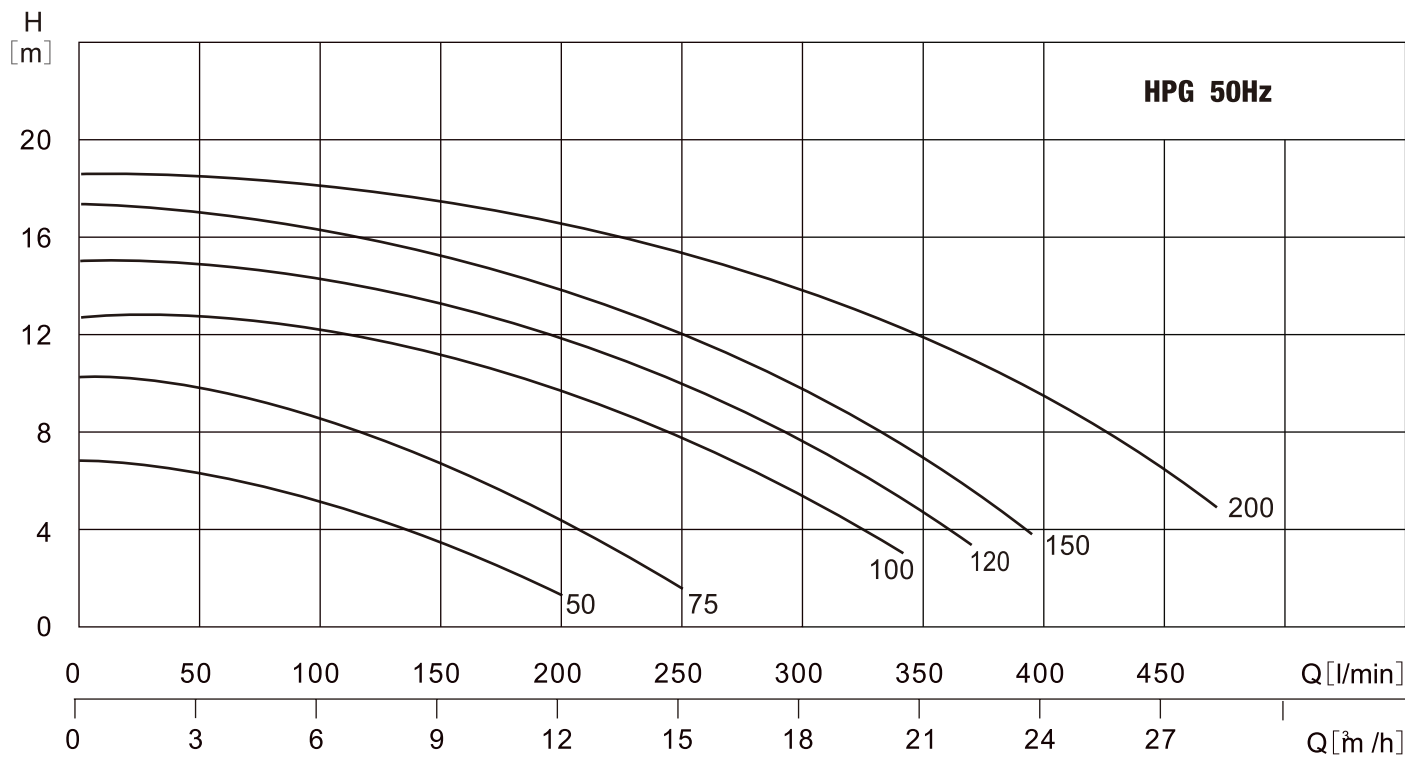
Installation sketch

安装尺寸图



Performance curve

性能曲线

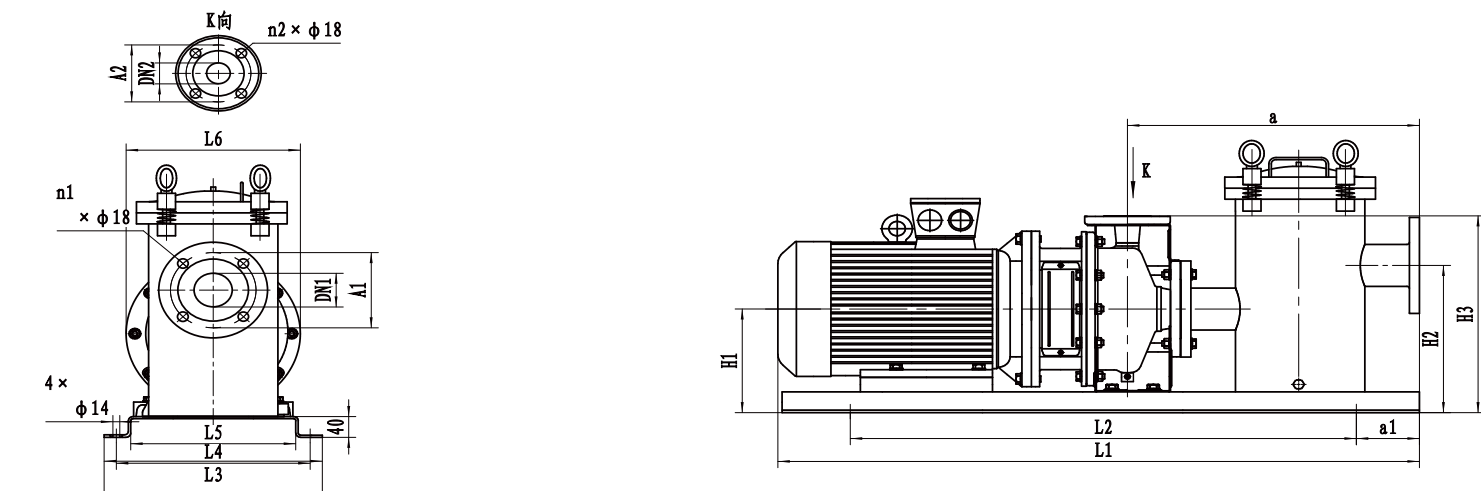


HPZ300-2000 Performance table 性能表

Model	P1		Q	[m³/h]	5	10	20	30	35	40	50	60	
	[KW]	[HP]											
HPZ300	2.2	3	H[m]		19.0	18.7	18.1	15.5	13.8				
HPZ400	3	4			24.4	24.0	23.6	20.7	18.5				
HPZ550	4	5.5			23.0	23.0	22.4	21.0	19.7	19.5	17.1	13.3	
HPZ750	5.5	7.5			30.0	29.9	29.5	29.0	27.0	26.3	23.8	19.4	
Model	P1		Q	[m³/h]	40	60	80	100	120	140	160	180	200
	[KW]	[HP]											
HPZ1000	7.5	10	H[m]		23.0	21.7	19.7	16.6	12.7				
HPZ1250	9.2	12.5			26.4	25.7	24.2	21.2	18.1	16.4			
HPZ1500	11	15			23.1	22.4	24.3	19.8	18.5	16.2	13.8	10.6	
HPZ2000	15	20			31.4	30.4	29.0	27.4	25.6	23.1	20.2	16.9	14.5

Installation sketch

安装尺寸图



描述

HPZ型不锈钢卧式单级泳池泵，采用不锈钢板冲压胀形焊接等先进工艺制成。可替代传统铸造泳池泵。其具有外形美观、结构轻巧、高效节能、经久耐用和耐轻腐蚀、低噪音等特点。

性能范围

- 1. 介质温度：-20℃~+100℃
- 2. 环境温度：≤40℃
- 3. 系统压力：≤10bar

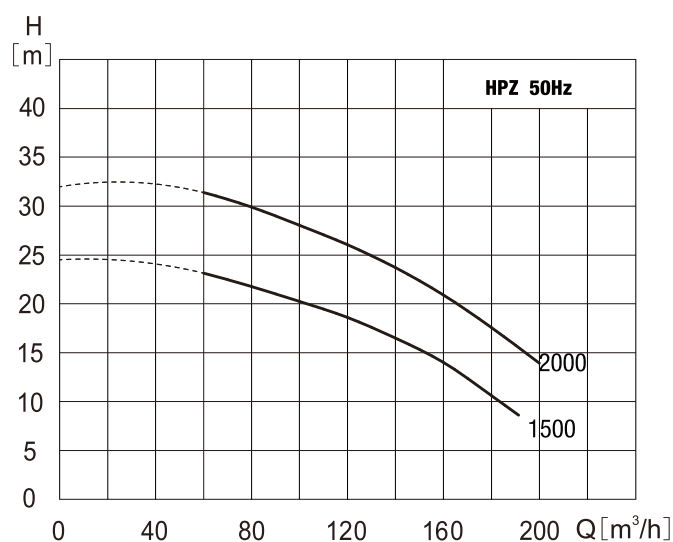
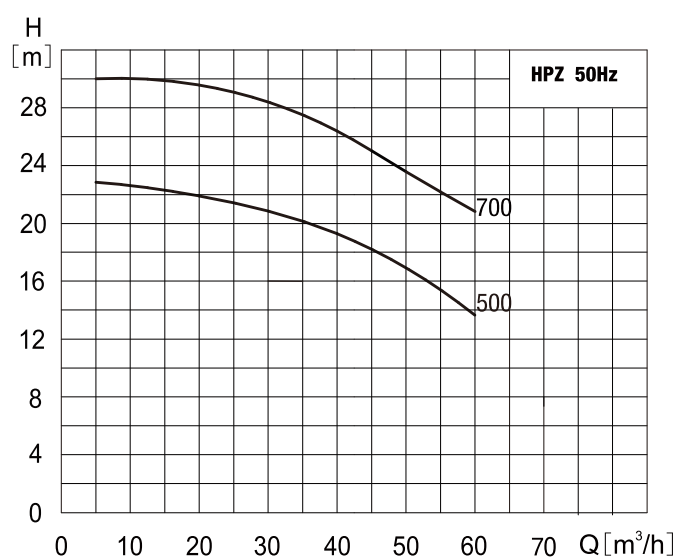
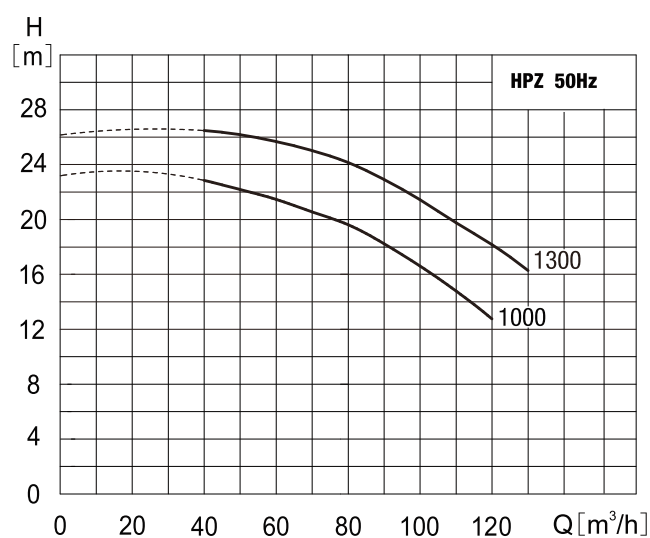
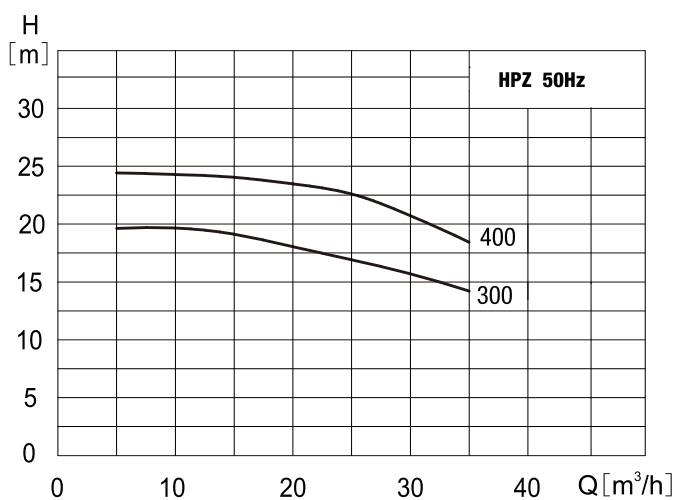
电机

- 1. 380V, 50Hz
- 2. 保护等级：IP55
- 3. 绝缘等级：F级
- 4. 可连续开启
- 5. 三相电机内置过热保护

型号	尺寸[mm]																
	DN1	DN2	A1	A2	n1	n2	a	a1	H1	H2	H3	L1	L2	L3	L4	L5	L6
HPZ300	65	40	118	84	4	4	460	35	152	272	294	882	810	280	240	192	210
HPZ400	65	40	118	84	4	4	460	35	152	272	294	912	840	300	260	212	250
HPZ550	65	50	118	98	4	4	466	41	172	292	338	950	870	330	290	242	250
HPZ750	65	50	118	98	4	4	480	41	200	290	380	1060	960	370	330	280	300
HPZ1000	80	65	130	118	8	4	535	50	200	320	380	1125	1025	370	330	280	300
HPZ1250	80	65	130	118	8	4	535	50	200	320	380	1125	1025	370	330	280	300
HPZ1500	100	80	150	130	8	8	675	50	220	370	445	1380	1280	420	380	330	350
HPZ2000	100	80	150	130	8	8	675	50	220	370	445	1380	1280	420	380	330	350

Performance curve

性能曲线



Notes

Handwriting practice lines consisting of 30 sets of horizontal dotted lines for tracing and writing practice.



Be pumping partners

**HYDROO
Pump Industries SL**

**Carrer La Banyeta Nova, 11
Polígon Industrial La Banyeta
17843 Palol de Revardit
Catalonia. Spain
Tel. +34 972 394 654
E-mail: info@hydroo.com
www.hydroo.com**

**HYDROO Pump Industries
(hangzhou) CO., LTD**

浙江省杭州余杭经济技术开发区
恒毅街20号

邮编: 311100
电话: +86 571 86202026
E-mail: sales@hydroochina.com
www.hydroochina.com

HYDROO reserves the right to make the modification without prior notice.
All rights reserved worldwide.

数据仅供参考, 如有修改, 恕不另行通知。
本公司保留最终解释权。

P/N: 1050301018
Rev: BI/2019/06
subject to amendments

