

hydroo®

WDROO SERIES

XLIFT K

Integrated sewage lifting device

一体式污水提升装置

50Hz





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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 a factory in Palol de Revardit (Catalonia-Spain) sized 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 factory, 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.



Highest pump performance is related to the motor and the hydraulics detailed design. We use the high-end technical resources to reach the best in the market results. Maximised hydraulic efficiency and IE3 standard motors turn out to a unique leading pump concept: robust, reliable, flexible, user-adjustable, smart and multi-purpose.



Added value relies on material selection, the industrial process of the components production and the usable design of all the single details. Pump flexibility, high line-up of options and personalized service is our added value.



Quality assurance is a key factor for added value products. We at Hydroo watch the pump quality, the crafted manufacturing process and expedition quality are integrated in our core service offer. Moreover, variable frequency drivers are available to get the best pump service in any kind of installation. World is in motion and we contribute to it with warmth and commitment.



Our commitment with the environment is in the base of our company thinking. All processes consider the minimum impact in our own home. Within the designing process we had in mind any individual requirement to get the best result for our customers.



We take care of our customer's pumps. We are our customer's factory and they deserve our full commitment in excellence and exemplary corporate culture. We consider no boundaries within the value chain, starting from industrial installation engineering to pump managing. This vision results in a close cooperation with all players to get the best pumping solution.

XLIFT K

Integrated sewage
lifting device

Application

**villa
clubhouse
basement
garage
and other places that require
pollution discharge**

Description

The integrated sewage lifting device is a device used to lift sewage from basements, lower courtyard buildings, or other spatial locations to the main sewage pipeline of the building.

Mainly used for collecting and transporting wastewater that cannot flow freely to municipal sewage pipelines by gravity, including fibers and fabrics. Feces and other liquids are suitable for collecting and pumping wastewater discharged below the sewage level in the basements of large buildings such as subways, hospitals, factories, apartment buildings, hotels, restaurants, and schools.

Performance range

Capacity: Q up to 31 m³/h

Head: H up to 12 m

Temperature: T up to 45 °C

power: P up to 0.75kW

Standard material

Pump case: Cast iron

Motor: 25L: Cast iron 50L: Stainless steel

Shaft: Stainless steel

Impeller: PA66 with Fiberglass

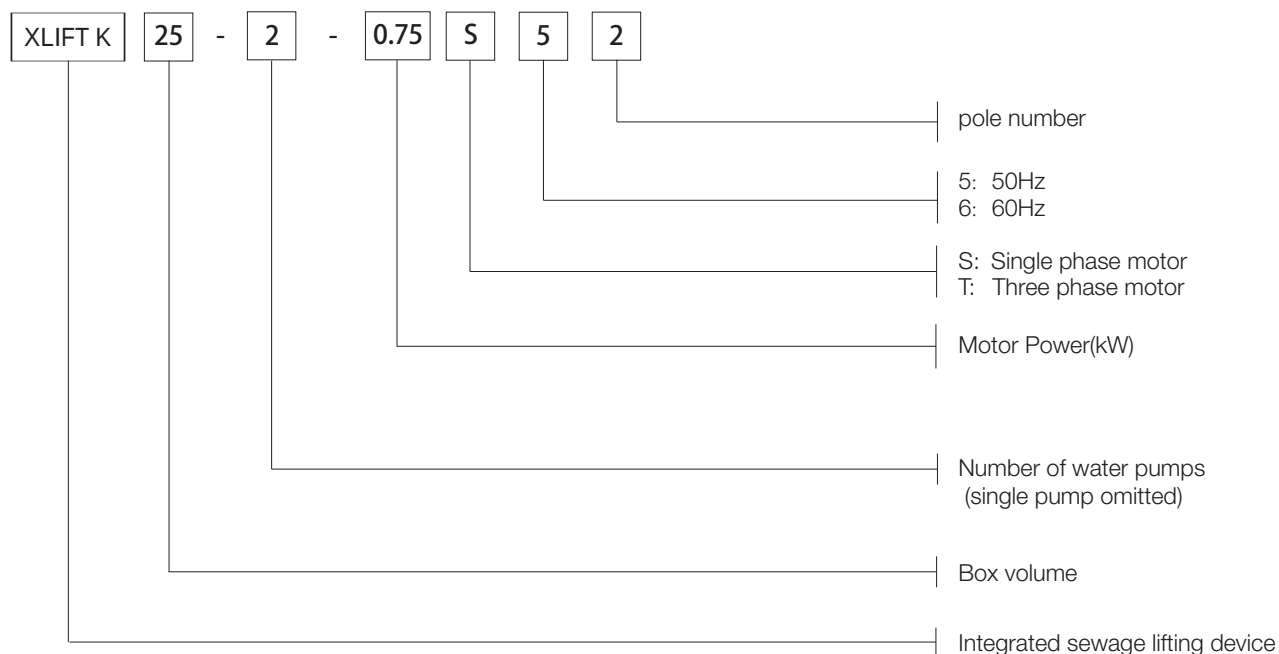
casing: HDPE



Application scenarios



Definition of model



Product advantages

Stable and reliable:

High strength, corrosion-resistant, with a lifespan comparable to that of a building; High performance water-proof motor, capable of continuous operation and frequent starting, without the need for air or water cooling.

Easy installation:

The integrated device is quick to install and has multiple water inlets for easy connection of pipelines.

Leak proof and Odor proof:

The fully enclosed box has strong pressure resistance while avoiding odor leakage. It is equipped with a DN80 check valve and has excellent leak proof and odor proof functions.

Preventing blockages:

A semi open impeller generates a flow vortex when it rotates, and produces centrifugal force between the impeller and the pump casing, which can discharge impurities while minimizing contact with the impeller. With the wide flow channel design of the pump casing, even large solid and fiber materials can be discharged without causing blockage.

Silent operation:

When designing, full consideration should be given to the usage environment, and noise treatment should be carried out on components such as water pumps and casings to enable them to operate silently.

Intelligent control:

The starting method of the water pump is dual level control of air pressure/float ball, with the pressure controller controlling the start and stop of the pump. The sensitivity of the liquid level alarm is high and the failure rate is low. Intelligent programming control box LCD display, overload protection, no-load protection, overheating protection, display pump operation status, adjust start stop height.

Performance parameter

- Impeller: unobstructed vortex impeller
- Optional power: 0.75kw
- Pump body material: HT250、SUS304
- Vortex impeller material: PA66 with FG
- Pump shaft material: SUS410
- Maximum overcurrent diameter: 50mm
- Maximum startup frequency of water pump: 60 times/hour
- Cable length between controller and

water pump/float: 5 meters

- Includes: DN80 check valve
- Outlet diameter: DN80 (variable diameter)
- Startup mode: dual level control with air pressure/float ball
- Waterproof rating of the whole machine: IP68 (excluding control box)

Conditions of Use

- Working frequency: 50Hz
- Working voltage: 380V/220V
- Medium temperature: < 45 °C
- PH:4-10
- Transport medium: Solid volume ratio not exceeding2%, density<1200kg/m³

Attention: Do not use the integrated sewage lifting device to pump rainwater or wastewater containing the following substances:

- ★Solid, asphalt, sand, mud, dust, cardboard, debris, and garbage.
- ★Wastewater discharged from sanitary ware above the overflow level.
- ★Polluted water containing harmful substances.

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。



高效

水泵性能与电机和水力部件的精细设计息息相关，HYDROO用顶级的技术资源做到了目前市场上领先，极佳的水力效率结合IE3超高效电机，打造了我们独一无二的领先的泵理念：强劲、可靠、灵活、智能、多用途并可根据用户需求进行各种调整。



创新

材质的选择、零部件的生产工艺和过程，以及各种细节上的实用设计给我们的产品创造了更多的附加值。产品的灵活性，丰富的配置可选项以及定制化的服务将为客户创造更多的价值。



品质

质量保障是我们增值服务的核心要素。HYDROO把水泵质量保障，精细的制造工艺过程和高标准的产品质量检验植入到我们的核心服务中。此外，HYDROO也提供各种安装条件下的变频器使用方案，以使水泵运行达到最佳效能。世界在持续发展，我们希望用我们的热情和信念为社会的可持续发展做出贡献。



环保

HYDROO对环境的承诺存之于心，见之于行，所有过程都尽量把对环境的影响降到最低。同时，在产品设计的各个环节中我们也考虑到客户的各种需求，从而达到产品最佳的使用效果。



合作

HYDROO始终对客户负责。我们的工厂就是客户的工厂，我们承诺让客户体验到HYDROO最好的企业文化，从工业工程设计到泵产品管理维护，HYDROO认为为客户服务没有边界。这个愿景将会使我们跟所有的水泵合作伙伴紧密相连，为客户提供最佳的泵产品解决方案。

XLIFT K

一体式污水提升装置

应用

家庭别墅
公共会所
地下室
车库
以及其他场所的排污

描述

一体式污水提升装置是一种用于将地下室、下层庭院建筑或其他地理位置空间的污水提升到建筑主污水管道的设备。

主要用于收集和输送无法依靠重力自由流至市政下水管道的废污水，包括含有纤维、织物、粪便等的液体，适合收集和泵送地铁、医院、工厂公寓楼、宾馆、餐馆学校等大型建筑物场所的地下室排放的低于下水道液位下的废污水。

性能范围

流量: 最大 31 m³/h

扬程: 最高 12 m

温度: 最高45 °C

功率: 最大0.75kW

标准材质

泵壳: 铸铁

电机: 25L:铸铁 50L:不锈钢

泵轴: 不锈钢

叶轮: 尼龙双6加玻纤

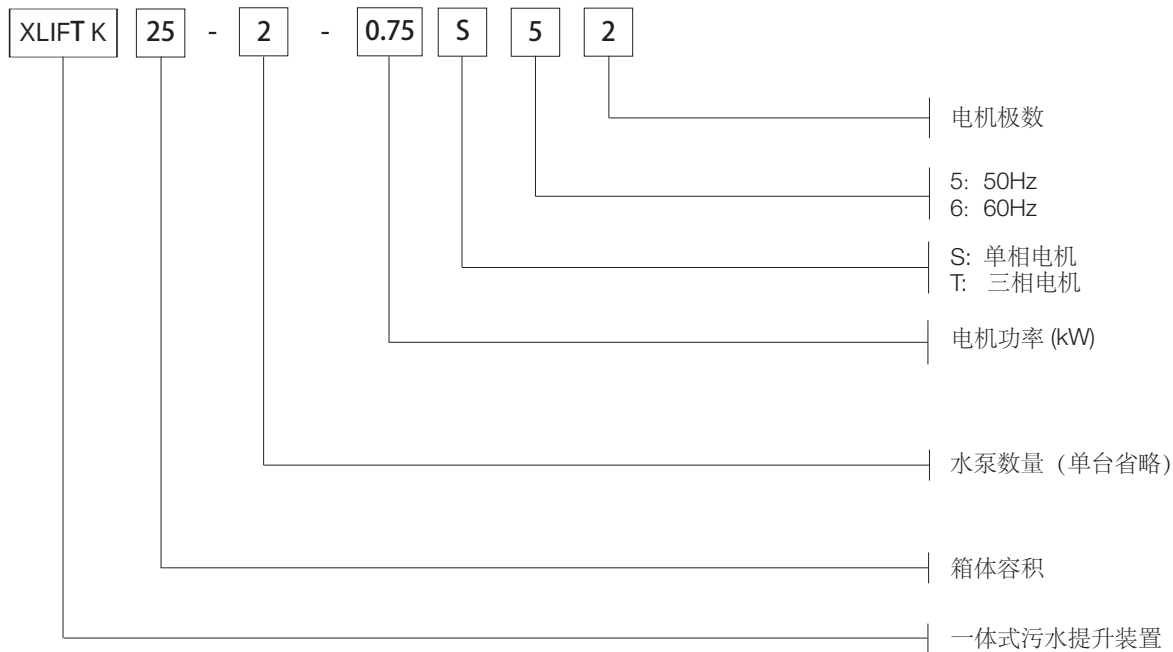
箱体: HDPE



应用场景



型号说明



产品特点

WDROO系列为一体式污水提升装置，采用一体式 HDPE 高密度聚乙烯作为集水箱，具有高强度、耐腐蚀、防堵塞、低噪声等优异性能。

稳定可靠：高强度，耐腐蚀，寿命可与建筑相同；高性能防水电机，可连续运行，可频繁启动，无需风冷、水冷。

安装便捷：一体式装置，安装快捷，且具有多个进水口，便于管路的连接。

防漏防臭：全封闭箱体，承压能力强的同时避免了气味泄露的问题，配有 DN80 止回阀，具有优秀的防漏、防臭功能。

避免堵塞：半开放式叶轮，叶轮转动时会产生流动涡流，并在叶轮和泵壳之间产生离心力，从而能在尽量减少接触叶轮的情况下排放杂质，加上泵壳宽流道设计，即使是大型的固体物质和纤维物料都能排出，不会造成阻塞。

静音运行：设计时对使用环境进行充分考虑，对水泵、箱体等部件进行噪声处理，使其可以静音运行。

智能控制：水泵启动方式为气压/浮球双液位控制，压力控制器控制泵的启停，液位报警功能，灵敏度高，故障率低。

智能编程控制箱、LCD 液晶显示器、过载保护、空载保护、过热保护、显示泵运行状态、调节启停高度。

性能参数

叶轮：无阻塞涡流叶轮

可选功率：0.75kW

泵体材质：HT250

涡流叶轮材质：尼龙双6加玻纤

泵轴材质：SUS410

最大过流直径：50mm

水泵最大启动次数：60次/小时

控制器与水泵/浮球间电缆线长度：5米

内含：DN80止回阀

出水口管径：DN80（可变径）

启动方式：气压/浮球双液位控制

整机防水等级：IP68（不含控制箱）

使用条件

工作频率：50Hz

工作电压：380V/220V

介质温度：<45℃

PH:4-10

输送介质：固体物容积比不超过2%，密度<1200kg/m³。

注意：请勿用提升装置泵送下列物质或含有下列物质的废水：

★雨水。暴雨过后，雨水量较大，一体式污水提升装置配置的集水箱容积有限不适于持续作业抽排雨水。

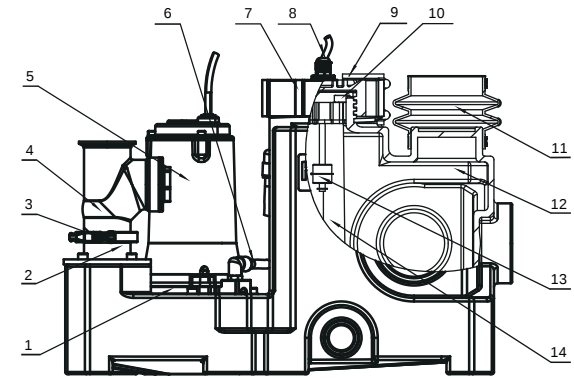
★固体、柏油、沙土、水泥、灰尘、硬纸板、碎屑与垃圾等。

★高于溢流水位、由卫生洁具排放的污水。（此类污水应通过下水道排出）

★含有有害物质的污水。

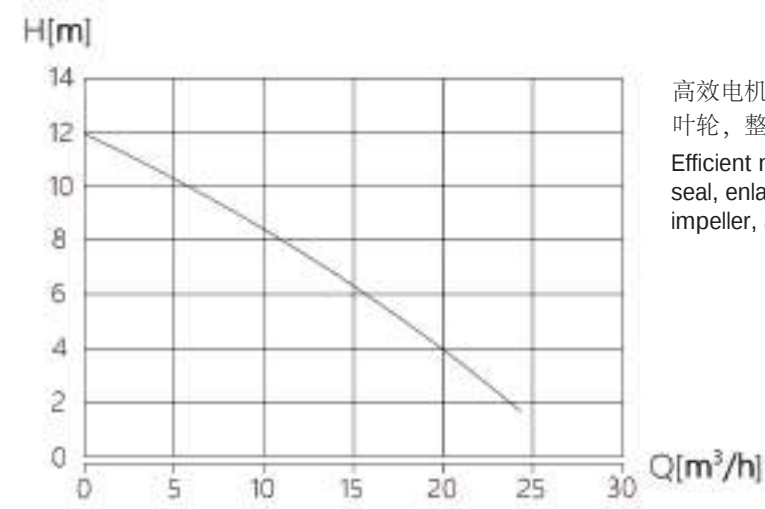
XLIFT K25 50Hz

Product Structure Diagram 产品结构图



N° 序号	Part 零件名称		Material 零件材质	AISI/ASTM
1	泵体	Pump case	HT250	ASTM25B
2	止回阀连接法兰	Water stop valve connection flange	ZG07Cr19Ni9	AISI304
3	卡箍组件	Clamp component	ZG07Cr19Ni9	AISI304
4	球形止回阀	Ball check valve	ZG07Cr19Ni9	AISI304
5	电机	Motor	HT250	ASTM25B
6	反冲洗组件	Backwash component	ABS、PU	
7	箱盖	Tank cover	PP	
8	信号线	The signal line	PU	
9	通气软接组件	Ventilation soft connector component	NBR	
10	橡胶垫		rubber ring	NBR
11	进水软接组件	Inlet soft connector component	NBR	
12	集水箱	Header tank	HDPE	
13	报警浮球	Alarm float	06Cr19Ni10	
14	取压管	Pressure tube	PP	

Performance curve ISO9906 Annex A
性能曲线 ISO9906 Annex A



高效电机，耐磨双端机封，加大油腔，防堵塞漩涡叶轮，整体电泳防腐蚀。

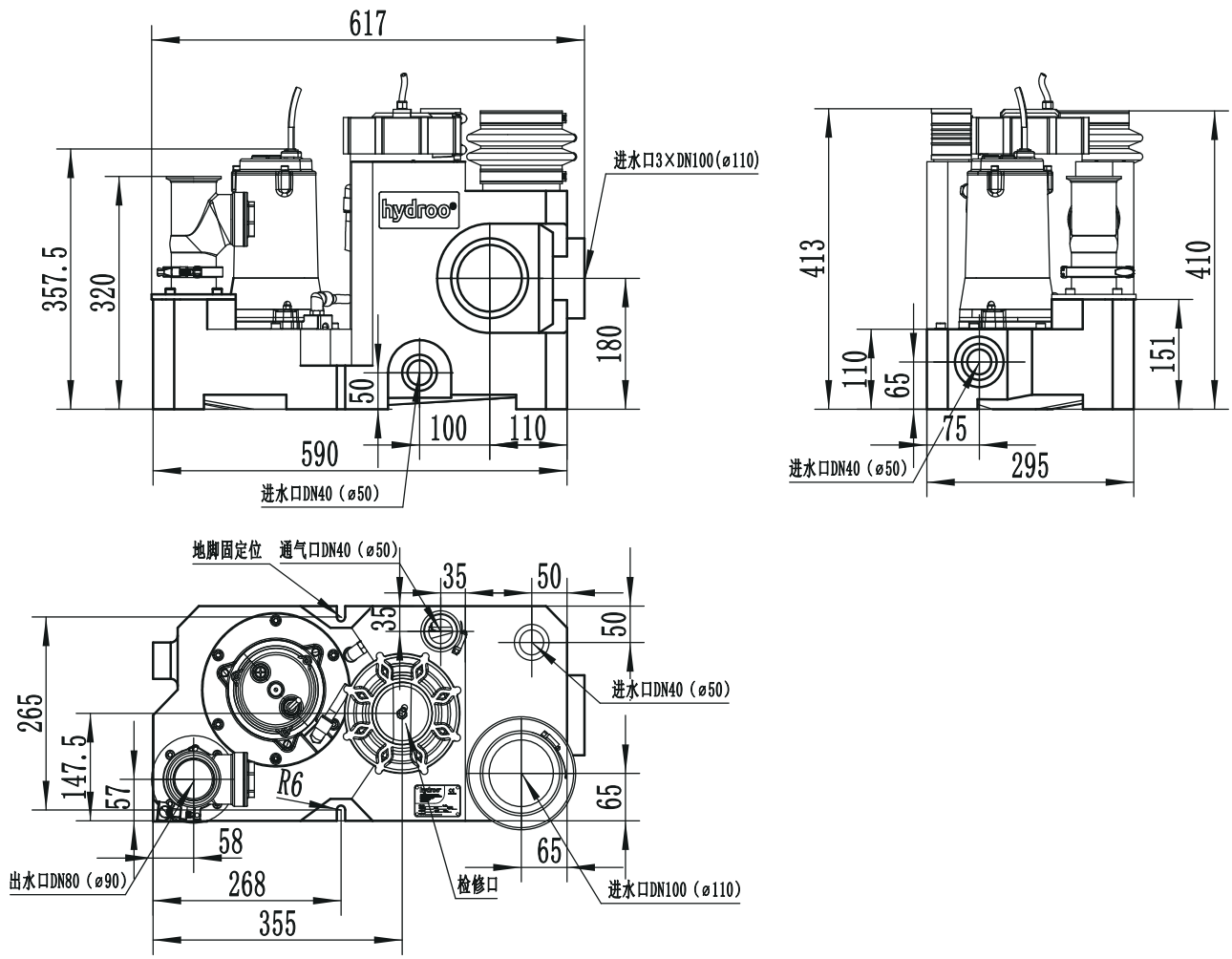
Efficient motor, wear-resistant dual end machine seal, enlarged oil chamber, anticlogging vortex impeller, and overall electrophoretic anti-corrosion.

Performance table 性能参数表

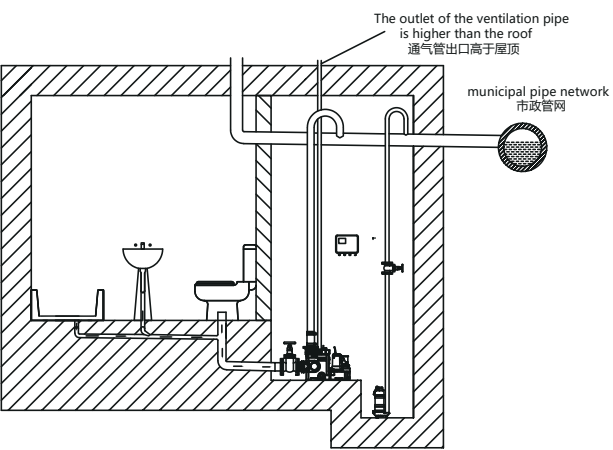
Model 型号	Effective volume 集水箱容积(L)	Effective volume 有效容积 (L)	Overcurrent diameter 过流直径(mm)	Minimum inlet height 最小进口高度	Number of inlets 进口数量	Inlet flange 进水法兰	Outlet 出水口径	Exhaust 通气管径	Weight 重量(kg)
XLIFT K25-0.75S52	25	8	50	50	7	DN100	DN80	DN40	32

Model 型号	Speed 转速(r/min)	Power 功率(kW)	Voltage 电压(V)	Current 电流(A)	Outlet 出水口径	Rated FLOW rate 额定流量(m³/h)	Rated head 额定扬程(m)	H(m)	2	4	6	8	10	11.5
XLIFT K25-0.75S52	2850	0.75	220	5.2	DN80	6	10	Q(m³ /h)	24	20	16	11	6	2
XLIFT K25-0.75T52		0.75	380	1.9					24	20	16	11	6	2

Installation sketch 安装尺寸图



Installation instructions 安装说明



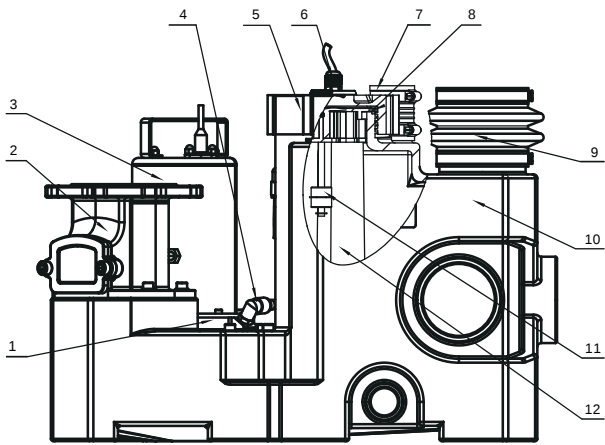
- 单泵外置式安装，可在集水坑或地面自由安装；
- 压力控制器可控制泵启停，泵内有液位报警功能；
- 适用于地下室卫生间、酒吧水槽、洗衣房等产生的生活污水排放；
- 带有地脚螺栓，可抗浮安装；

N° 编号	Accessory 配件描述	Specifications 规格尺寸	Number 数量	Notes 备注
1	Controller 控制器	HZK-1	1	标配 Standard
2	Ventilation soft connector 通气软管	DN40	1	标配 Standard
3	Inlet soft joint 进水软管	DN100	1	标配 Standard
4	Outlet soft joint 出水软管	DN80	1	标配 Standard
5	Outlet flange 出水法兰	DN80	1	标配 Standard
6	Inlet shut-off valve 进水截止阀	DN100	1	标配 Standard
7	Outlet shut-off valve 出水截止阀	DN80	1	选配 Optional
8	Auxiliary pump outlet shut-off valve 辅泵出水截止阀	DN40	1	选配 Optional
9	Auxiliary pump 辅泵	/	1	选配 Optional

- Single pump external installation, can be freely installed in the collection pit or on the ground.
- The pressure controller can control the start and stop of the pump, and there is a liquid level alarm function inside the pump.
- Suitable for the discharge of domestic sewage generated in basement bathrooms, bar sinks, laundry rooms, etc.
- Equipped with anchor bolts for anti floating installation.

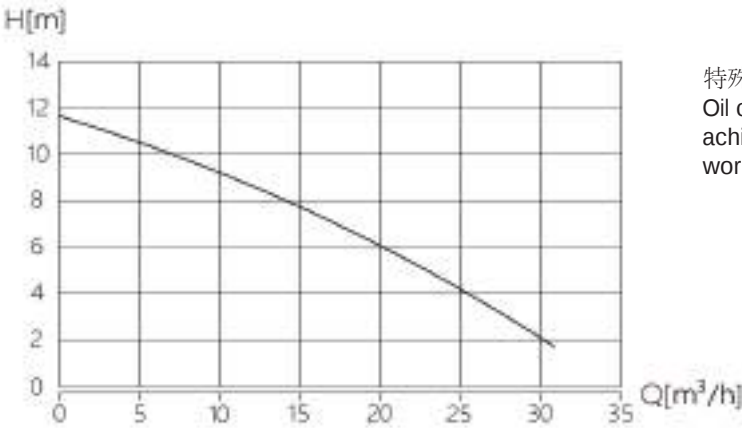
XLIFT K50 50Hz

Product Structure Diagram 产品结构图



N° 序号	Part 零件名称		Material 零件材质	AISI/ASTM
1	泵体	Pump case	HT250	ASTM25B
2	球形止回阀	Ball check valve	ZG07Cr19Ni9	AISI304
3	电机	Motor	ZG07Cr19Ni9	AISI304
4	反冲洗组件	Backwash component	ABS、PU	
5	箱盖	Tank cover	PP	
6	信号线	The signal line	PU	
7	通气软接组件	Ventilation soft connector component	NBR	
8	橡胶垫	rubber ring	NBR	
9	进水软接组件	Inlet soft connector component	NBR	
10	集水箱	Header tank	HDPE	
11	报警浮球	Alarm float	06Cr19Ni10	AISI304
12	取压管	Pressure tube	PP	

Performance curve ISO9906 Annex A
性能曲线 ISO9906 Annex A



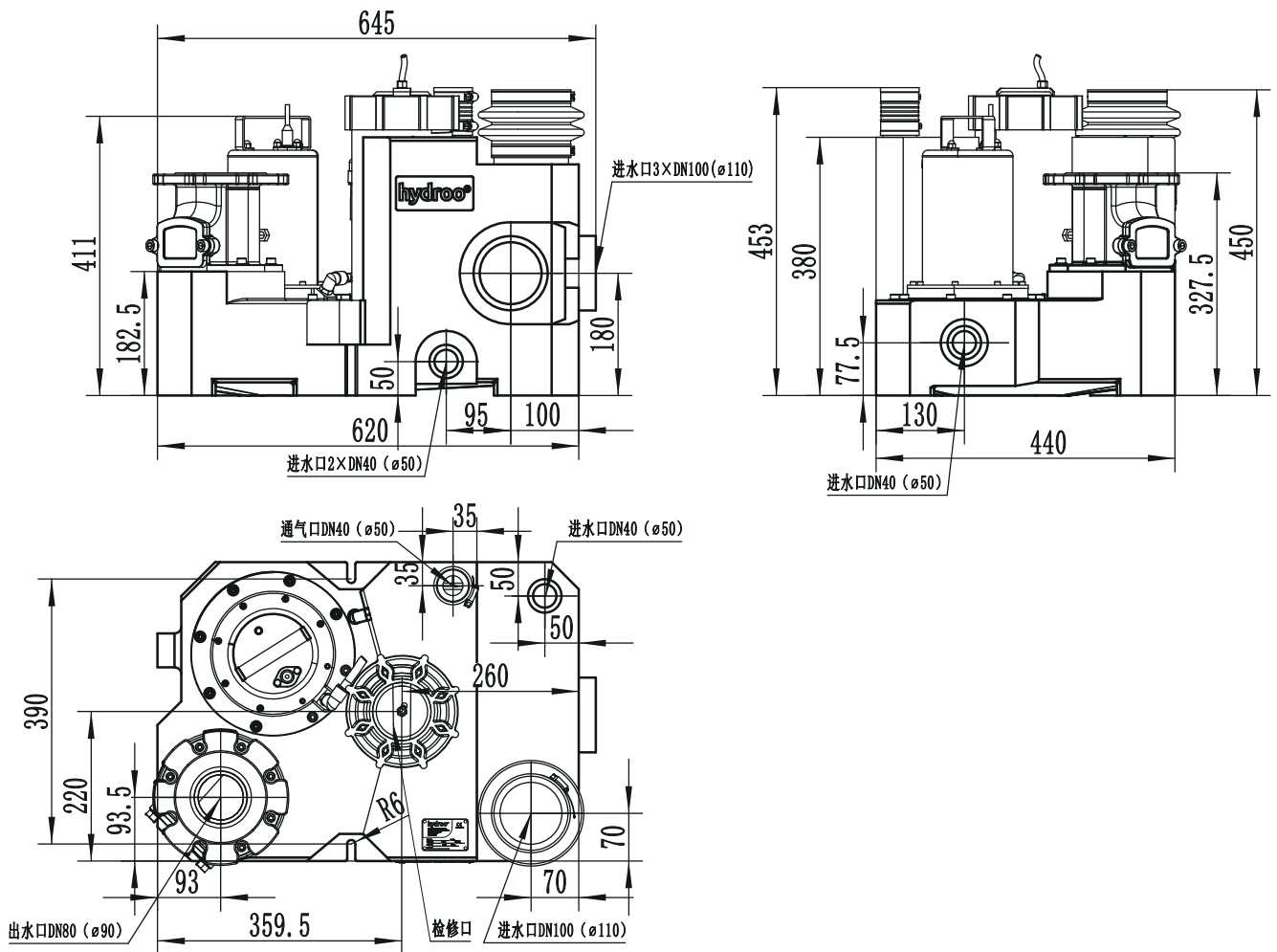
特殊油冷散热设计，可实现S1工况长时间连续运转。
Oil cooling and heat dissipation design, capable of achieving long-term continuous operation under S1 working conditions.

Performance table 性能参数表

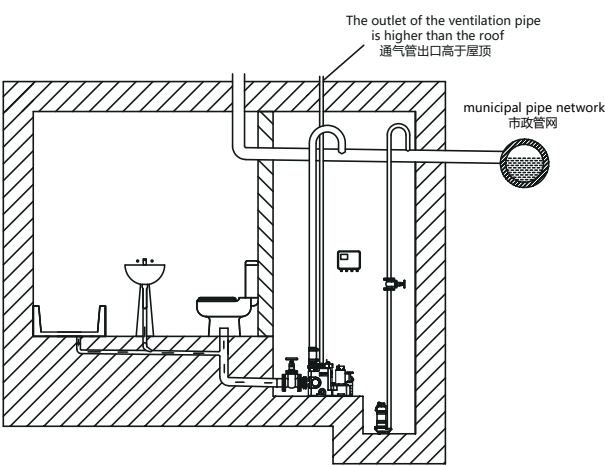
Model 型号	Effective volume 集水箱容积(L)	Effective volume 有效容积 (L)	Overcurrent diameter 过流直径(mm)	Minimum inlet height 最小进口高度	Number of inlets 进口数量	Inlet flange 进水法兰	Outlet 出水口径	Exhaust 通气管径	Weight 重量(kg)
XLIFT K50-0.75S52	50	25	50	50	7	DN100	DN80	DN40	32

Model 型号	Speed 转速(r/min)	Power 功率(kW)	Voltage 电压(V)	Current 电流(A)	Outlet 出水口径	Rated FLOW rate 额定流量(m³/h)	Rated head 额定扬程(m)	H(m)	2	4	6	8	10	11.5
XLIFT K50-0.75S52	2850	0.75	220	5.2	DN80	8	10	Q(m³ /h)	31	26	20	14	8	2
XLIFT K50-0.75T52		0.75	380	1.9					31	26	20	14	8	2

Installation sketch 安装尺寸图



Installation instructions 安装说明



- 单泵外置式安装，可在集水坑或地面自由安装；
- 压力控制器可控制泵启停，泵内有液位报警功；
- 适用于地下室卫生间、酒吧水槽、洗衣房等产生的生活污水排放；
- 带有地脚螺栓，可抗浮安装；

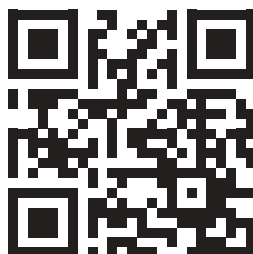
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4	Outlet soft joint 出水软管	DN80	1	标配 Standard
5	Outlet flange 出水法兰	DN80	1	标配 Standard
6	Inlet shut-off valve 进水截止阀	DN100	1	标配 Standard
7	Outlet shut-off valve 出水截止阀	DN80	1	选配 Optional
8	Auxiliary pump outlet shut-off valve 辅泵出水截止阀	DN40	1	选配 Optional
9	Auxiliary pump 辅泵	/	1	选配 Optional

- Single pump external installation, can be freely installed in the collection pit or on the ground.
- The pressure controller can control the start and stop of the pump, and there is a liquid level alarm function inside the pump.
- Suitable for the discharge of domestic sewage generated in basement bathrooms, bar sinks, laundry rooms, etc.
- Equipped with anchor bolts for anti floating installation.



**HYDROO
Pump Industries SL**

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