

hydroo®

HPRESS SERIES

HPRESS

Smart Booster set pumps

智能增压泵

50Hz





hydroo[®]
Model: HPRESS4
S/N: 20200115-001
Voltage: 180-260V 50/60Hz
Power: 0.75kW
Q_{max}: 5.3 m³/h H_{Max}: 55m
Q_{nom}: 3 m³/h H_{Max}: 32m
Thread: G1" T_{liq} max: 40°C
IP68

CE

hydroo[®]

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中文样本 (CN)

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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) 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 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.

HPRESS

Smart Booster

set pumps

Applications

Cooling water system
Aquiculture
Domestic water supply
General industrial services
Washing
Environment protection

Description

Multistage horizontal Stainless steel self-priming booster set with permanent magnet motor and built-in variable frequency driver. Standard totally enclosed, fan cooled, insulation class F, IP 55 motors. Single phase motors up to 2.2 kW

The pump head is made of thickened stainless steel, which is resistant to acid, alkali and corrosion, effectively preventing rust water and health water. When the water supply is stopped, the microcomputer control system will automatically detect and control the motor deceleration. Intelligent constant-pressure water supply, high efficiency energy saving and power saving, meeting the water supply requirements of different customers.

Performance range

Capacity: Q up to 20m³/h

Head: H up to 68m

Temperature: up to 75°C

Speed: 2950rpm

Power: up to 2.2 kW

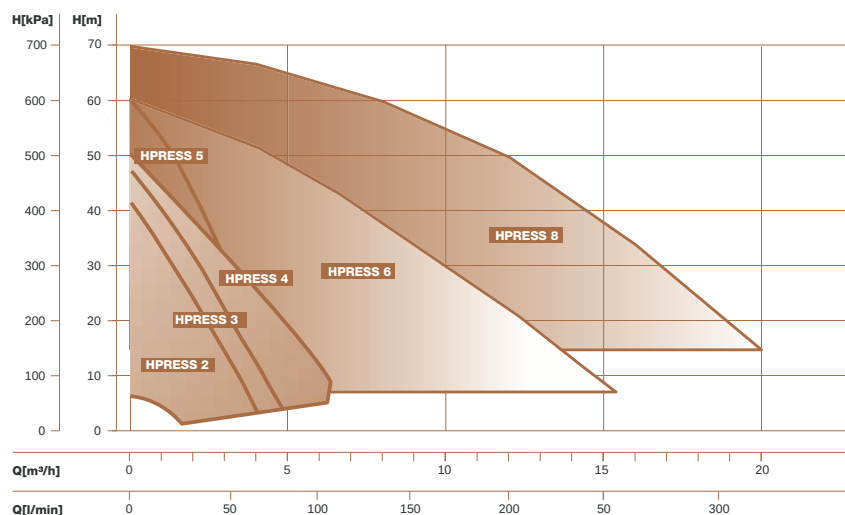
Standard material

Pump case: AISI304

Impeller: PPO



Performance scope

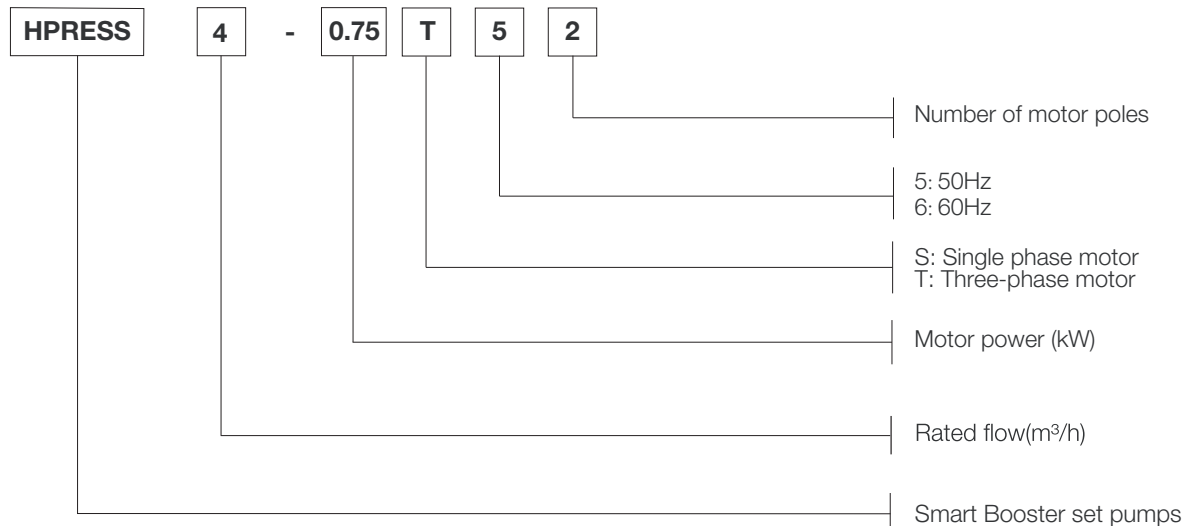


2950 rpm 50 Hz. ISO9906:2012 Grade 3B.

Model	P2 (kW)	Q. max (m³/h)	H. max (m)	Rated flow (m³/h)	Rated pressure (m)	Suction diameter (mm)	Maximum suction (m)
HPRESS 2	0.37	4	40	1.8	25	25	8
HPRESS 3	0.55	5	46	3	24	25	6
HPRESS 4	0.75	5.8	50	3	31	25	8
HPRESS 5	1.1	5.8	60	3	33	25	8
HPRESS 6	1.5	16	60	6.5	45	50	8
HPRESS 8	2.2	20	68	8	60	50	8

Definition of model

HPRESS 2,3,4,5,6,8



Applicable medium

- Thin and clean non-flammable and non-explosive liquid without solid granules and bers.
- When the density or viscosity of to be-conveyed liquid is larger than that of water, it is necessary to select driving motor of high power.
- Whether a specific liquid is suitable for the pump depends on many factors, among which the most important ones are chlorine content. PH value, temperature, solvent and oil content.

Product features

Permanent magnet frequency conversion: frequency conversion and constant voltage, low energy.

Ultra low noise: high efficiency and low noise. Ultra low sound pressure of less than

55dB (A), capable of being installed in limited indoor space.

Energy conservation and environmental protection: energy conservation, power saving, excellent and efficient.

Multiple protections: all-motor protection includes dry operation, motor overload, leakage and overheating.

Intelligent operation: intelligent switch, simple operation, LCD display with simple automatic function.

Excellent motor: permanent magnet synchronous motor 160-260V50/60 Hz, 0.75kW wide range of flow and head performance, best in class efficiency and reliability.

Multi-pump connection: HPRESS 6&8 can be installed in set up to 6 pumps connected among them working in cascade.

Application

HPRESS is mainly used in the living area:

Pipeline pressurization: applicable to pumping tank, well water, pipeline and other fields.

Large public places: luxury villas, apartment offices, etc.

Residential: The most reliable intelligent pump for residential applications with the widest flow range.

Operation conditions

- Liquid temperature:-15°C~+75°C
- Ambient temperature: up to +40°C
- Max. operation pressure: 10 bar
- Max. inlet pressure is limited by max. operation pressure.

Application Scenario



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。

HPRESS

智能增压泵

应用范围

住宅用水
大型公共场所
管道增压

描述

卧式多级不锈钢自吸增压泵，配备永磁电机和内置变频驱动器。标准全封闭、风扇冷却、绝缘等级F级、防护等级IP 55的电机。单相电机最大功率可达2.2 kW。

泵头采用加厚不锈钢制成，耐酸、耐碱且耐腐蚀，能有效防止锈水和健康水的产生。当供水停止时，微电脑控制系统会自动检测并控制电机减速。智能恒压供水，高效节能且省电，满足不同客户对供水的需求。

性能范围

流量: 最大20m³/h

扬程: 最高68m

温度: 最高75°C

转速: 2950rpm

功率: 最大2.2kW

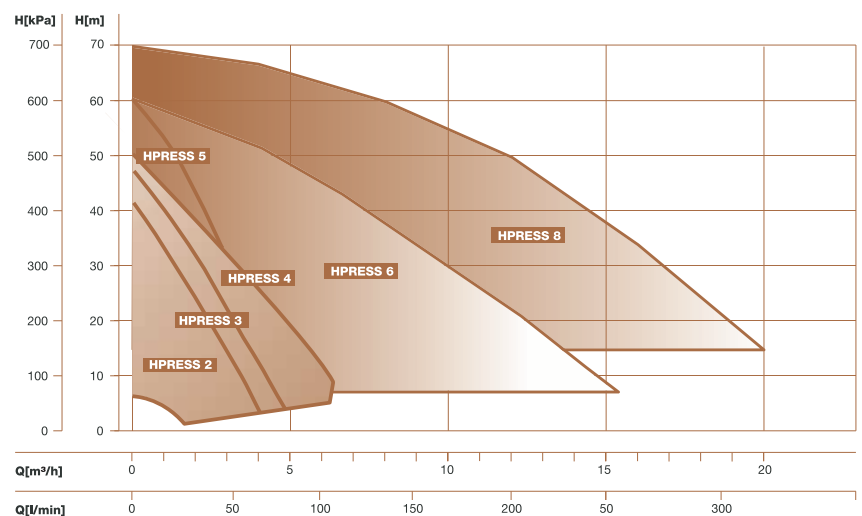
标准材质

泵壳: AISI304

叶轮: PPO



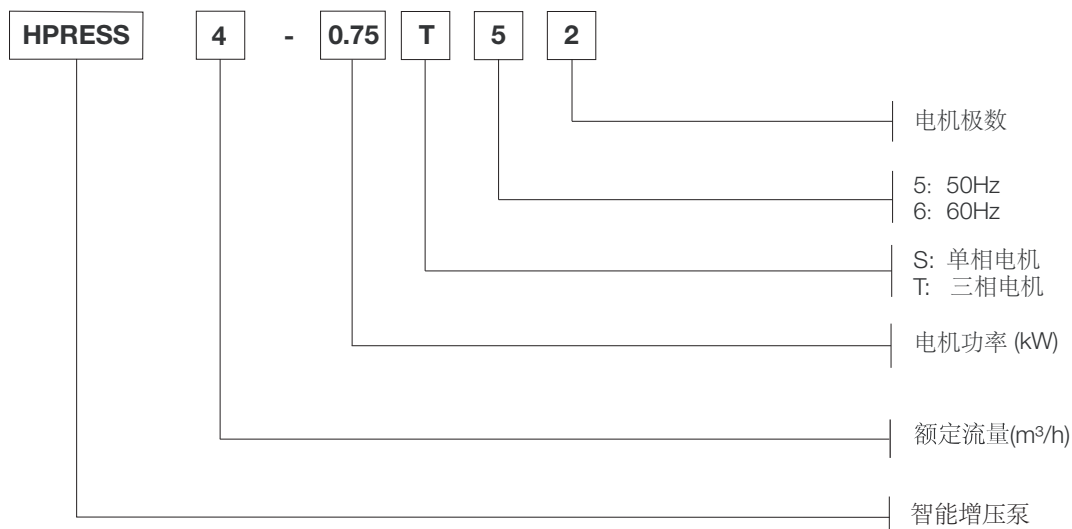
性能范围



型号	功率 (kW)	最大流量 (m³/h)	最大扬程 (m)	额定流量 (m³/h)	额定扬程 (m)	进口直径 (mm)	最大自吸高度 (m)
HPRESS 2	0.37	4	40	1.8	25	25	8
HPRESS 3	0.55	5	46	3	24	25	6
HPRESS 4	0.75	5.8	50	3	31	25	8
HPRESS 5	1.1	5.8	60	3	33	25	8
HPRESS 6	1.5	16	60	6.5	45	50	8
HPRESS 8	2.2	20	68	8	60	50	8

型号说明

HPRESS 2,3,4,5,6,8



适用介质

- 稀薄、清洁、非易燃、易爆介质，无固体颗粒和杂质。
- 当输送介质的密度或粘度大于水时，必须选用大功率的驱动电机。
- 特定的介质是否适合泵取决于许多因素，其中最重要的是氮含量、PH值、温度、溶剂和油含量。

产品特点

- 永磁变频：变频恒压，低能耗。
- 超低噪声：高效低噪，低于55dB(A)的超低声压，能够安装在室内有限的空间中。
- 节能环保：节能，省电，卓越高效。
- 多重保护：全电机保护包括干式运行、电机过载、泄漏和过热。

• 智能操作：智能开关，操作简单，液晶显示器带有操作简易的自动功能。

• 卓越电机：永磁同步电机160-260V 50/60 Hz, 0.75kW宽范围的流量和扬程性能，在类别效率和可靠性方面最佳。

• 多泵连接：HPRESS6和8可安装在多个泵组中，这些泵之间以并联方式连接。

应用领域

HPRESS 主要用于生活领域：

- 管道增压：适用于抽水箱、井水、管道等领域。
- 大型公共场所：豪华别墅、公寓写字楼等。
- 住宅：适用于住宅应用最可靠的智能泵，流量范围最宽。

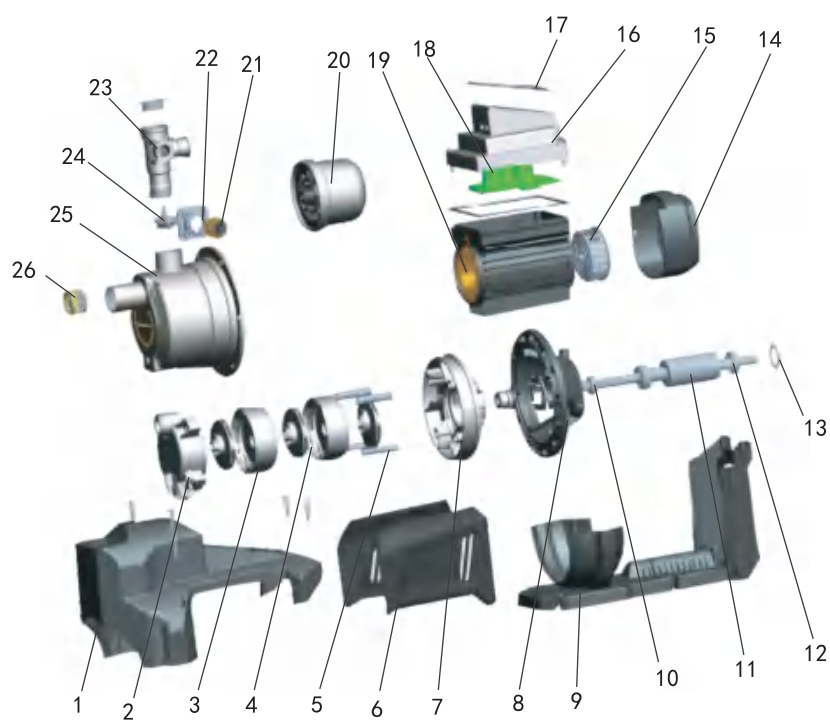
运行条件

- 介质温度：-15°C~+75°C
- 环境温度：最高+40°C
- 最大工作压力：10 bar
- 最大进口压力受最大工作压力限制。

应用场景



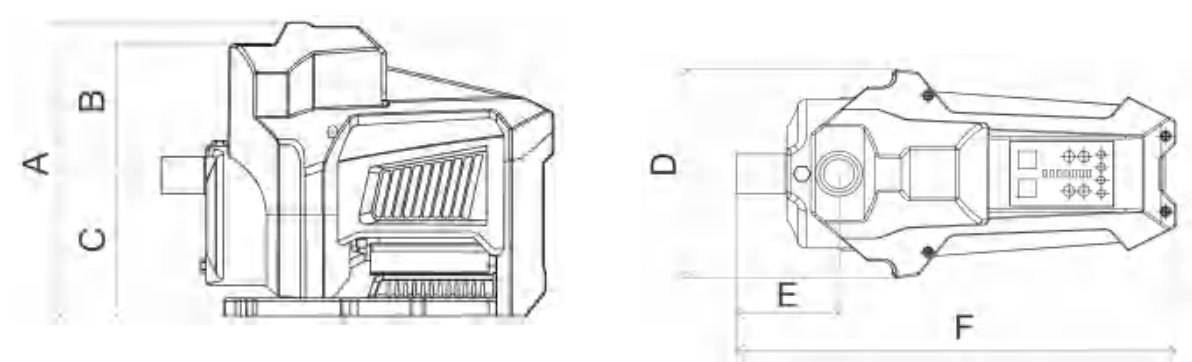
Structure view 结构图



N° 序号	PART 零件	N° 序号	PART 零件	N° 序号	PART 零件
1	Hull 外壳	10	Water proof gland 防水密封圈	19	stator 定子
2	Water Inlet Guide Blade 进水导叶	11	rotor 转子	20	Pressure tank 压力罐
3	Guide Blade 导叶	12	bearing 轴承	21	Transducer 传感器
4	Impeller 叶轮	13	Spring washer 弹簧垫圈	22	Sensor bracket 传感器支架
5	prop 支柱	14	Fan cover 风扇罩	23	Five-way valve 五通阀
6	Radiation fin 散热板	15	Fan 风扇	24	Check valve 止回阀
7	Seal holder 密封座	16	Capacitor box 电容盒	25	pump casing 泵体
8	Pump support 泵支架	17	Gland 密封套	26	Check valve 止回阀
9	motherboard 主板	18	controller 控制器		

Installation sketch 安装尺寸图

Model	DNA	DNI	A	B	C	D	E	F	Packaging	Kg
HPRESS 2	G1"	G1"	290	132	140	194	91	392	230x430x340	8
HPRESS 3	G1"	G1"	290	132	140	194	91	392	230x430x340	8.2
HPRESS 4	G1"	G1"	290	132	140	194	91	392	230x430x340	8.1
HPRESS 5	G1"	G1"	290	132	140	194	91	392	230x430x340	8.5
HPRESS 6	G2"	G2"	380	160	220	194	70	492	580x430x275	23
HPRESS 8	G2"	G2"	380	160	220	194	70	492	580x430x275	26

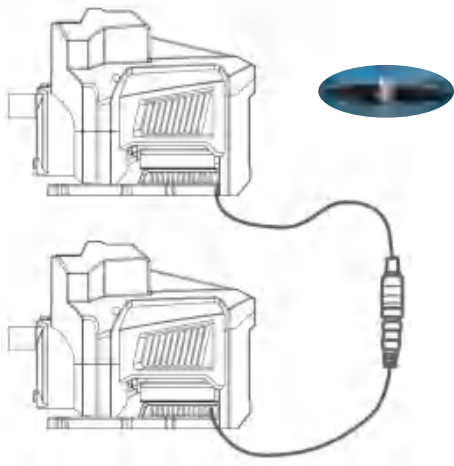


Double pump combined operation 双泵联机



Multistage horizontal Stainless steel self-priming booster set with permanent magnet motor and built-in variable frequency driver.

卧式多级不锈钢自吸增压泵组，配备永磁电机和内置变频驱动器。



Dual pump online description

双泵联机说明

1. Two parallel pumps shall be connected with the inlet pipe and outlet pipe. The pressure pipe shall be greater than DN32 and the outlet pipe shall be greater than DN25.
2. Insert 2 pumps online in the USB data cable terminal and lock them.

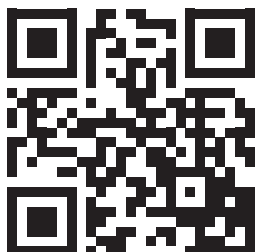
- 1、2台泵并联，进水管和出水管各自相连，进水管应大于DN32，出水管应大于DN25。
- 2、2台泵用两根水泵对应的连接线，将公母对接后再将其锁紧。

Notes

Handwriting practice lines consisting of multiple 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**

**浙江杭州临平经济开发区

邮编: 311199
电话: 400-855-3101
E-mail: sales@hydroochina.com
www.hydroochina.com**

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