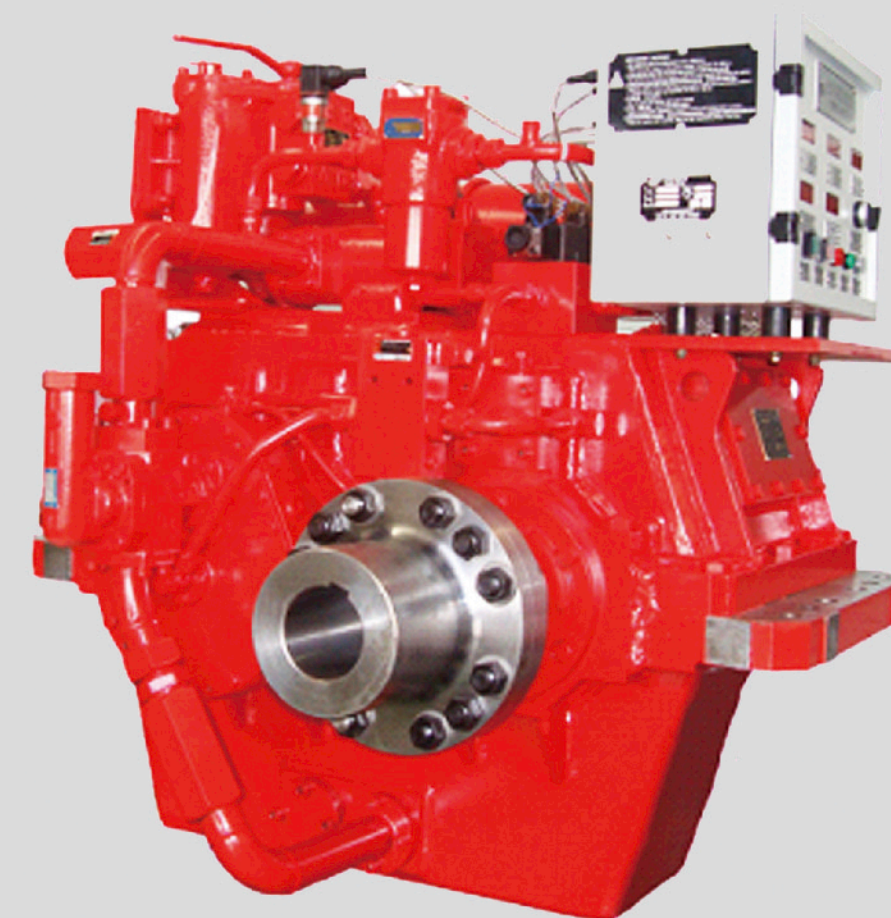




南京高精船用设备有限公司

Nanjing High Accurate Marine Equipment Co.,Ltd



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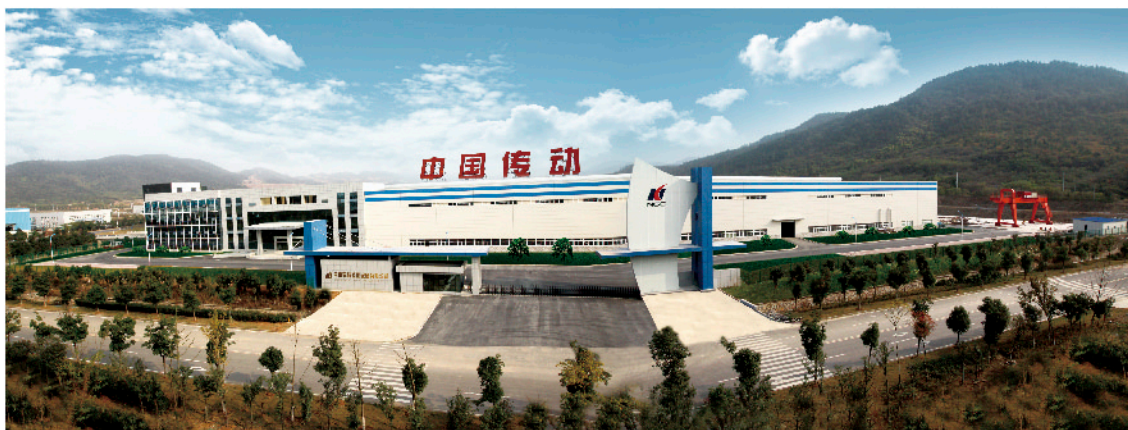
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2012

FPV/FPH系列消防泵齿轮箱

FPV/FPH series FI-FI pump gearbox



南京高精船用设备有限公司是中国高速传动设备集团（简称中国传动）全资子公司，可以成套提供原动机以后的各种传动和推进设备，包括可调桨、定距桨、舵桨、侧推、各种船用主/辅齿轮箱以及各种轴舵系部件和甲板机械等。

船用公司位于风景秀丽、交通便利的南京江宁科学园，现已建成占地256亩的船用产品产业园。现有员工400余人，工程技术人员120人，高级工程师23人、高级技师31人。

船用公司作为江苏省高新技术企业，通过多年技术引进和创新，已拥有具有自主知识产权的船用产品系列，并配有世界一流的生产设备，已形成年产400套推进器和齿轮箱的设计和生产能力。可根据不同船型和要求，进行周到的个性化设计，从而实现产品效率高、能耗低的环保要求。所生产的船用产品已经大量出口海外市场，产品质量达到国际标准，赢得客户和合作伙伴的高度认可。

船用公司建有完善的质量体系，先后通过了ISO9001、ISO14001、ISO18001和国军标体系认证。船用产品严格按照国际标准和船级社的要求进行设计和生产，已通过CCS、BV、GL、ABS、LR、RINA、DNV和RMRS等船级社的认证和检验。

公司通过产品质量和技术服务来创造品牌，把建立国际一流的大型船用设备配套企业作为目标，致力于为客户提供各种船舶传动和推进系统的最佳解决方案。现在公司建立了全球的销售和售后服务网络，正不断拓展国内外的船用配套产品市场，并赢得全球客户的赞誉。

Nanjing High Accurate Marine Equipment Co., Ltd. (NGC Marine for short), a wholly subsidiary of China Transmission, is specialized to manufacture marine propulsion and transmission system package, including controllable pitch propeller, fixed pitch propeller, tunnel thruster, azimuth thruster, main/auxiliary marine gearbox, hydraulic coupling, shafting rudder system components and deck machineries, etc.

The company is located at Science Garden, Jiangning District, Nanjing city, a scenic place with convenient transportation. Till today, a marine equipment garden of 173, 400 m² has been formed. The company occupies over 400 employees, and among them 120 are engineers, 23 are senior engineers, and 31 are senior technicians.

As a hi-tech enterprise in Jiangsu Province, NGC Marine has mastered the core technology of marine propulsion system to form our own product line based on the technology import and innovation. Now, we are able to design and produce 400 sets of CPP and marine gearbox per year and we can make the special design based on the ship hull and customer requirement, so as to improve the efficiency and reduce the energy consumption. Our products, machined to International Standard, have been exported to several foreign countries and have been highly recognized by the clients and partners.

NGC Marine has established a complete quality system, and has been certificated by ISO9001, ISO1400, ISO18001 and Military Standard System.

All of our marine products are designed and manufactured strictly adhered to international standards and requirements of Classification Societies. The company has been approved by CCS, BV, GL, ABS, LR, RINA, DNV and RMRS, etc.

To create our brand through quality and technical service, NGC Marine is aiming to build an international top enterprise in supplying large marine equipment. For years, NGC Marine applies itself to provide the optimal propulsion and transmission solution to clients. Our company has set up its global sales and service net, and has gained the good comments from the clients all over the world.

电磁操纵阀
Gear controller for electromagnetism actuation

齿式联轴器
Gear coupling

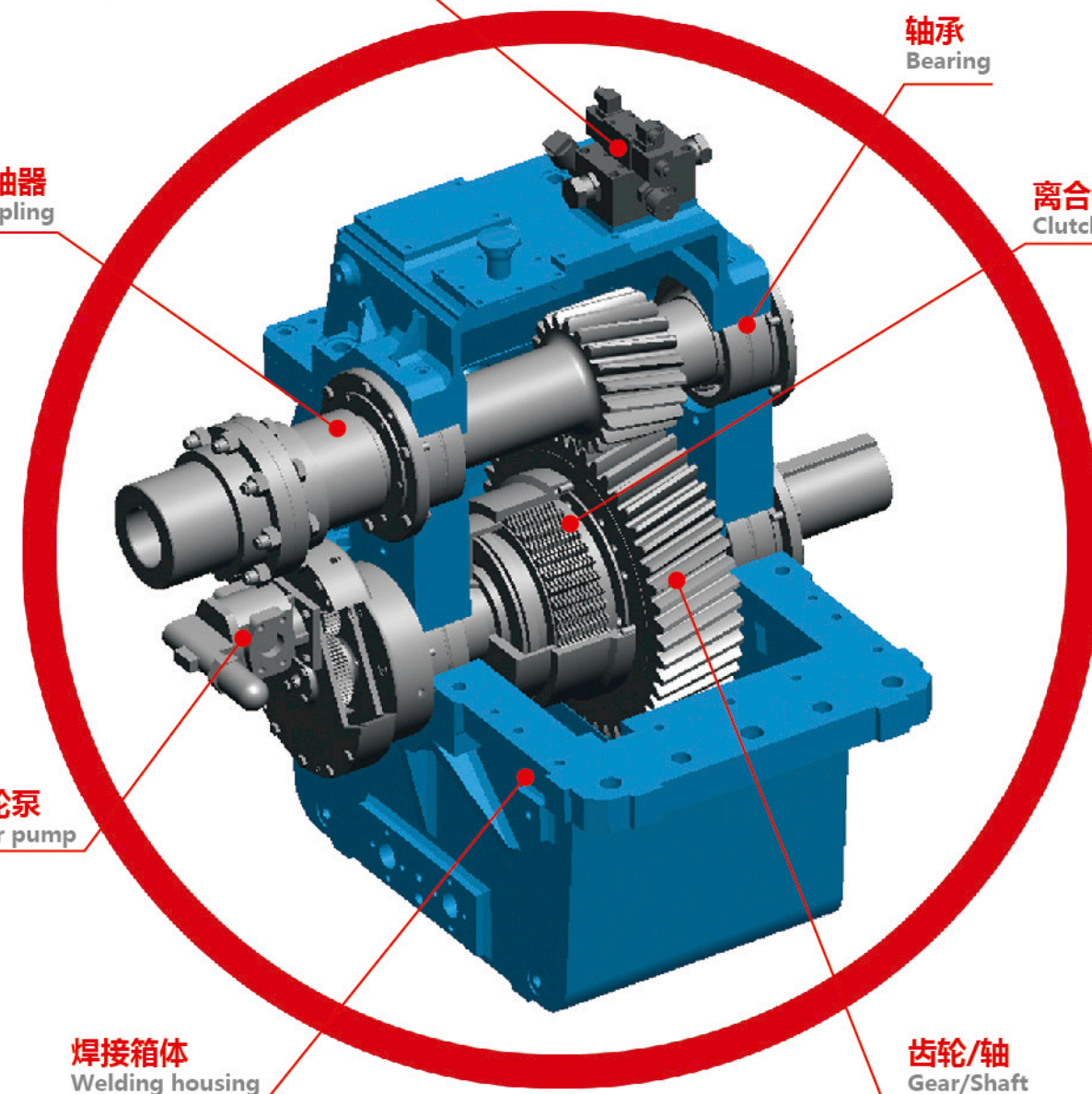
轴承
Bearing

离合器
Clutch

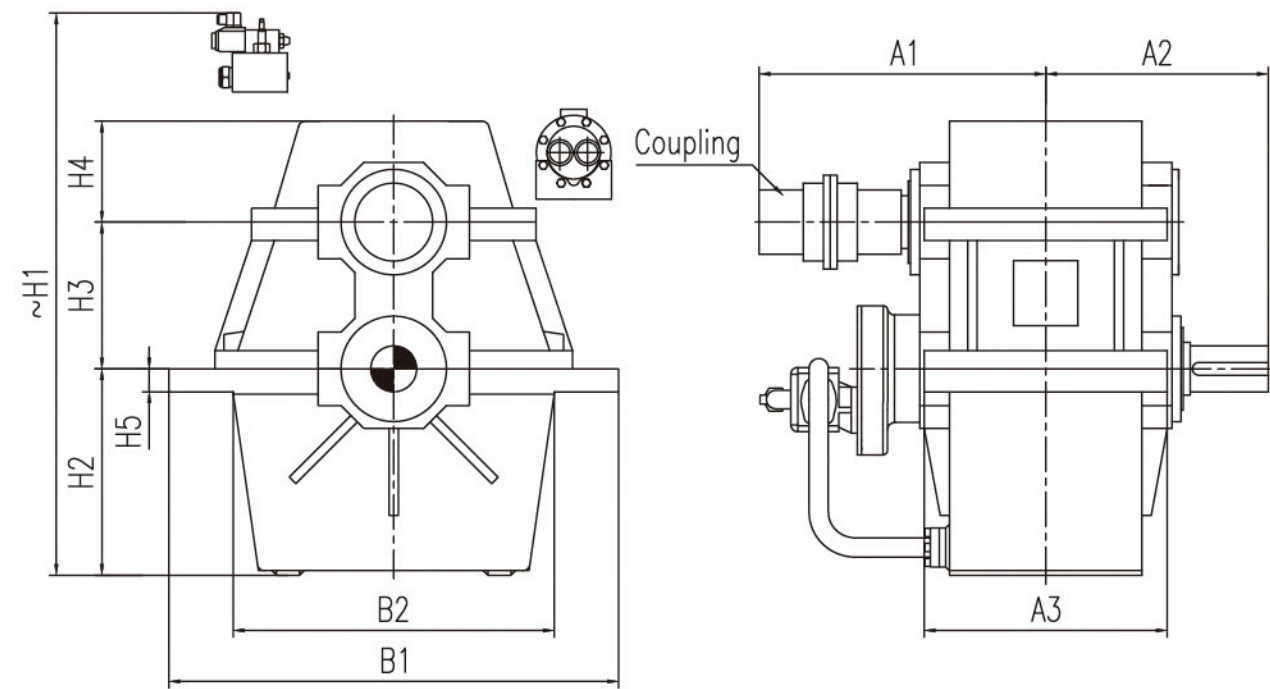
齿轮泵
Gear pump

焊接箱体
Welding housing

齿轮/轴
Gear/Shaft



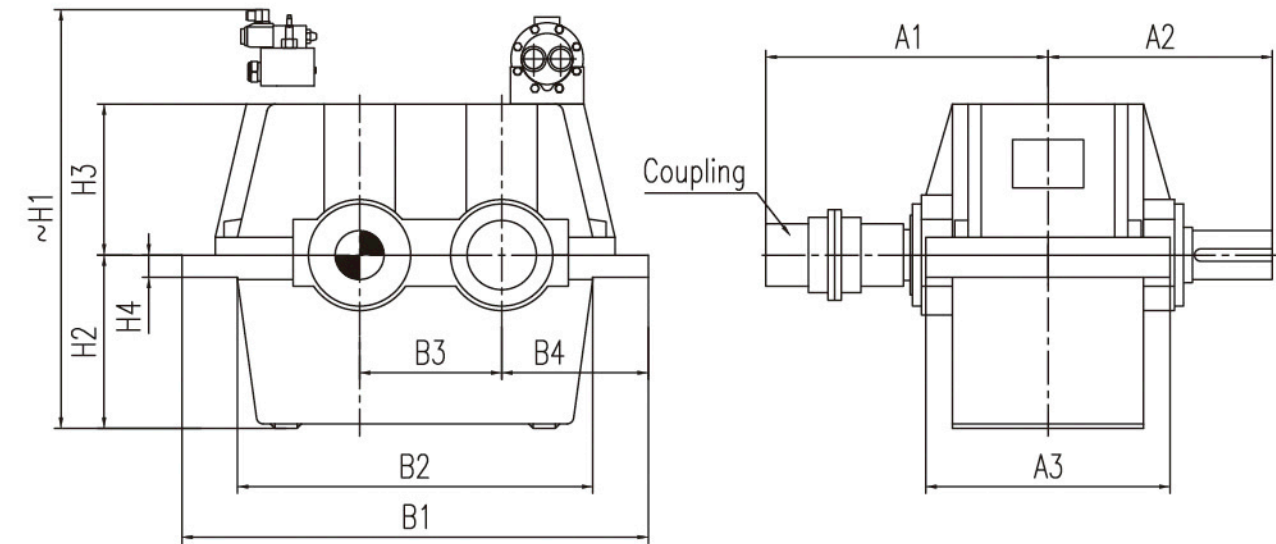
FPV系列外形尺寸表
FPV series dimensions table



型号 Model	尺寸 Dimension										联轴器型号 Coupling model	重量 Weight (t)
	A1	A2	A3	B1	B2	H1	H2	H3	H4	H5		
FPV280	555	445	510	920	640	1200	420	280	200	45	G II CL6	1.1
FPV320	625	485	530	980	700	1280	450	320	210	50	G II CL7	1.3
FPV360	690	530	580	1040	760	1360	480	360	220	55	G II CL8	1.6
FPV400	730	560	620	1100	820	1480	510	400	220	60	G II CL9	1.9
FPV450	810	630	690	1170	890	1650	550	450	230	65	G II CL10	2.5
FPV500	935	705	780	1240	960	1820	600	500	240	70	G II CL11	3.3

外形尺寸和重量(保留变更的权利) Dimensions and Weights(Subject to change)

FPH系列外形尺寸表
FPH series dimensions table

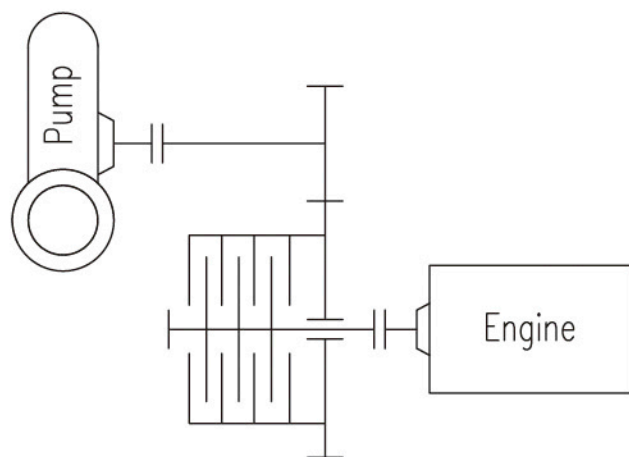


型号 Model	尺寸 Dimension											联轴器型号 Coupling model	重量 Weight (t)
	A1	A2	A3	B1	B2	B3	B4	H1	H2	H3	H4		
FPH280	555	445	510	1060	780	280	350	960	340	290	45	G II CL6	1.1
FPH320	625	485	530	1120	840	320	355	1080	380	320	50	G II CL7	1.3
FPH360	690	530	580	1220	940	360	375	1100	420	350	55	G II CL8	1.6
FPH400	730	560	620	1310	1030	400	395	1220	460	380	60	G II CL9	1.9
FPH450	810	630	690	1450	1150	450	435	1370	500	420	65	G II CL10	2.5
FPH500	935	705	780	1590	1290	500	495	1530	560	460	70	G II CL11	3.3

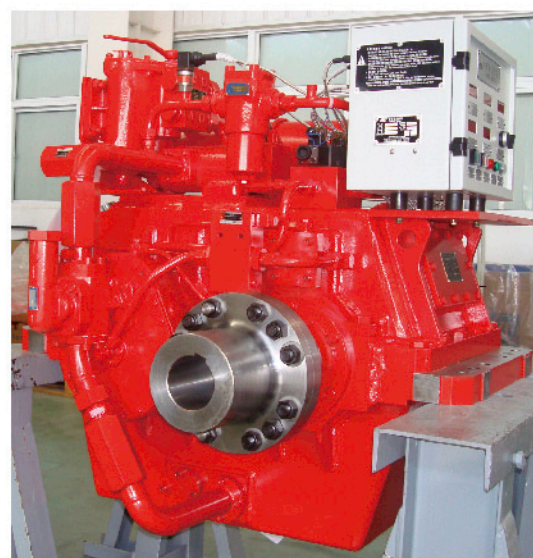
外形尺寸和重量(保留变更的权利) Dimensions and Weights(Subject to change)

齿轮箱选型介绍

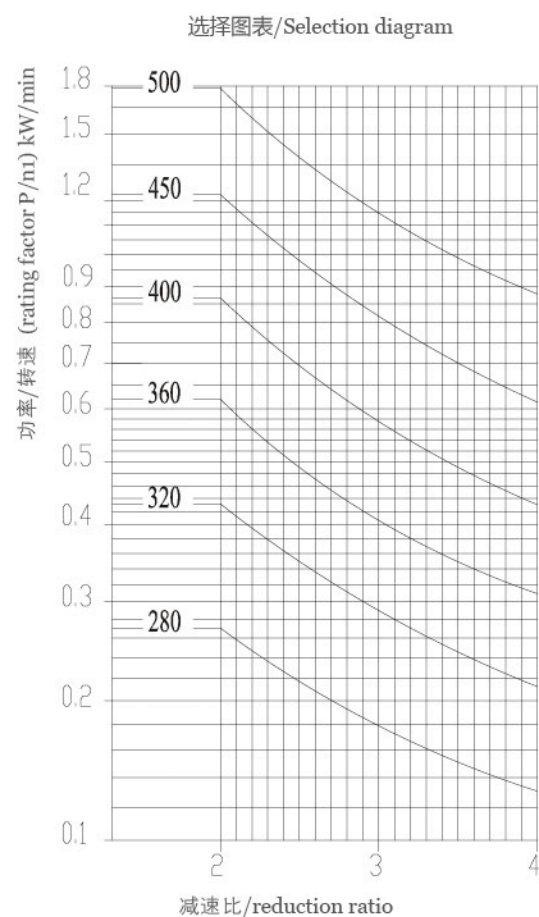
Gearbox selection



FPV系列/FPV series



FPH系列/FPH series



注：表中转速 n_1 为消防泵转速（即齿轮箱输出转速）。
Note: The speed n_1 is FI-FI pump speed (The gearbox output speed).
如遇其他结构，请与我们联系。
In case of different condition please contact us.

FPV/FPH系列消防泵齿轮箱在传递工作扭矩的同时，具有增速及离合的作用，广泛应用于具有消防功能的各种船舶。

FPV/FPH系列消防泵齿轮，齿轮、轴选用优质合金钢材料，滚动轴承设计，箱体有限元分析加强设计，离合器采用电磁阀实现平滑接合，并设置符合船级社要求的报警与监测传感器。

NGC服务工程师在产品安装、试航及使用过程中为您提供技术支持。

FPV/FPH series FI-FI pump gearbox has functions of speed increasing and clutch when transmitting torque. The gearboxes have been widely used in special ships with FI-FI system.

Gears and shafts are manufactured of good alloy steel, and the roller bearings and housing are designed with FEM analysis. The clutch is controlled by solenoid valve to realize the smooth engaging of clutch. Alarming and monitoring sensors are included as per classification requirements.

NGC service engineers will provide technical support during the equipment installation, sea trial and application.

产品应用

Production application



海事试验 Maritime test



机舱布置 Engine room arrangement



消防炮试验 Fire gun test



离合器部件 Clutch components



水幕试验 Water curtain test



装配过程 Assembly process