



DL系列立式多级离心泵

DL SERIES VERTICAL MULTI-STAGE CENTRIFUGAL PUMP



上海连成（集团）有限公司
SHANGHAI LIANCHENG (GROUP) CO., LTD.

地址：上海市江桥镇曹安公路3616-3618号
邮编：201812
总机：(021) 59138888
传真：(021) 59136782
800免费咨询电话：800-820-5009
400免费咨询电话：400-188-5009

Address: 3616-3618 Can'an Road, Jiangqiao Shanghai
P.C.: 201812
Switchboard: (021) 59138888
Fax: (021) 59136782
800 Free consultation Tel: 800-820-5009
400 Free consultation Tel: 400-188-5009



连成集团微信订阅号



集团介绍

上海连成(集团)有限公司，是一家国内著名的研究制造泵、阀和流体输送系统、电气控制系统和环保设备的多元化经营的大型集团企业。

经过二十多年的发展，现已拥有五大工业园区，分布于上海、江苏、大连和浙江等经济发达地区，总占地面积达55万平方米，总部设在上海封浜工业园区。旗下拥有上海连成泵业制造有限公司、上海连成电机有限公司、上海连成阀门有限公司、上海连成集团物流有限公司、上海连成集团通用设备安装工程、上海阿美泰克工业设备有限公司、上海连成环境工程设备有限公司、上海连成集团苏州股份有限公司、上海连成（集团）大连化工泵制造有限公司等多家全资子公司及控股公司，注册资金达6.5亿元以上，总资产达数十亿元。产品品种现已达五千多种，涵盖水泵、电机、电气柜、阀门、成套设备、环保设备、换热器、机械配件等系列，其产品性价比合理，质量可靠，广泛应用于市政、水利、建筑、消防、电力、环保、石油、化工、矿业、医药等领域。集团销售业绩每年均为行业前茅。

强大的制造实力

集团公司目前拥有国家“1级”水泵测试中心、三坐标测量仪、动静平衡测量仪、便携式光谱仪、激光快速成型仪、多功能抛丸机、自动氩弧焊机、10米大型立车、大型磨床、数控机床集群等各种国内外先进的生产检测设备2000台套以上。现有员工3000余人，大中专生占72.6%，其中中级职

Group Introduction

Shanghai Liancheng (Group) Co., Ltd. is a well-known large-scale group enterprise that dedicates to diversified operations of researching and manufacturing pumps, valves and fluid delivery systems, electrical control systems and environmental protection equipment.

After more than 20 years of development, the Group now has five industrial parks, which are located in economically developed areas such as Shanghai, Jiangsu, Dalian and Zhejiang, with a total area of 550,000 square meters. The headquarters is located in Shanghai Fengbang Industrial Park. The Group owns a number of wholly-owned subsidiaries and holding companies such as Shanghai Liancheng Pump Manufacturing Co., Ltd., Shanghai Liancheng Motor Co., Ltd., Shanghai Liancheng Valve Co., Ltd., Shanghai Liancheng Group Logistics Co., Ltd., Shanghai Liancheng Group General Equipment Installation Engineering, Shanghai Amtech Industrial Equipment Co., Ltd., Shanghai Liancheng Environmental Engineering Equipment Co., Ltd., Shanghai Liancheng Group Suzhou Co., Ltd., Shanghai Liancheng (Group) Dalian Chemical Pump Manufacturing Co., Ltd., with a registered capital of more than 650 million yuan and total assets of 2 billion yuan. The Group's product variety has now reached more than 5,000, covering pumps, motors, electrical cabinets, valves, complete sets of equipment, environmental protection equipment, heat exchangers, mechanical parts and other series. Moreover, these products are reasonable in price and reliable in quality, and are widely used in municipal, water conservancy, construction, fire protection, electric power, environmental protection, petroleum, chemical, mining, pharmaceutical and other fields. The Group's sales performance is among the best in the industry every year.

Strong Manufacturing Strength

The Group Company currently has more than 2,000 sets of advanced domestic and overseas production and testing equipment, such as the national "Grade 1" pump test center, trilinear coordinates measuring instrument, dynamic and static balance measuring instrument, portable spectrometer, laser rapid prototyping instrument, multi-

企业简介 CORPORATION OUTLINE

称者475人、高级职称者78人、国家级专家19人、教授6人。每年都投入大量资金用于技术研发和创新，并通过SOLIDWORKS软件，对产品进行CFD分析和强度计算。公司持有国家专利技术近达600余项，每年均参与大量的国家及行业标准起草及编写工作，涉及水利、化工、消防、城市供水等各领域产品及技术标准累计达数十项。集团建有完善的销售服务网络，设有30余家分公司及200多个分支机构，拥有一支1800多人的专业销售服务队伍，为广大客户提供专业的技术支持与优良的营销服务。

荣誉加身，成就更好连成

集团通过了ISO9001、ISO14001、OHSAS18001等国际管理体系认证，全面推行ERP、CRM信息化管理平台；先后获得国家和行业颁发的工业、消防、煤矿、石油化工等重要领域的工业产品生产许可证、“安全生产许可证”、CCC中国国家强制性产品认证、CQC产品认证、CE认证、卫生许可批件、MA煤安认证、节能认证、节水认证、测量管理体系认证、采用国际标准认证、进出口企业资格等生产经营资质；并获得了“国家科学技术进步二等奖”、“大禹水利科学技术一等奖”、“国家级创新型企业”、“高新技术企业”、“中国驰名商标”、“国家标准起草单位”、“国家首批水泵节能认证通过企业”、“全国商品售后服务认证（五星级）”、“上海市级企业技术中心”、“上海市知识产权示范企业”、“上海市名牌产品”、“上海市民营制造业百强”、“中国水工业十大民族品牌”、“全国实施用户满意产品”等众多的社会荣誉。

连成产品得到国内外的用户认可

随着连成集团的永续经营，连成产品得到了用户广泛认可，目前拥有：国家体育场“鸟巢”、国家大剧院、上海世博工程、首都机场、广州白云机场、青岛国际机场、上海地铁、西安地铁、沈阳地铁、首钢京唐、首钢滦南马城矿业、霍州煤电、葫芦岛铝业、广州自来水厂、禹门口水利、松江区二次供水改造、香港供水工程深圳沙湾泵站、澳门供水工程珠海平岗泵站、黄河灌溉山西夹马口泵站、山西省西苑泵站、广东云安六都泵站、长垣县蒲西区雨水泵站、渭南东雷二期抽黄灌区泵站改造、黄河小浪底水利工程、宁夏扬黄灌溉工程、鄂尔多斯城市饮用水工程、秦山核电、岭澳核电、国电集团、大唐电厂、华能电厂、宝钢、首钢、唐钢、太钢、鞍钢、新疆八一钢铁、大庆油田、胜利油田、中石油、中石化、中海油、青海盐湖钾盐项目、山西焦化、潞安矿业、陕西咸阳化工、中海油惠州炼油项目、清华大学、海尔集团和安哥拉农业排灌工程、缅甸国家农业灌溉项目，以及核电、火电、水电、钢铁、油田、焦化、矿业、化工、炼油等一大批国内、外样板工程。在通用、拜耳、西门子、大众、可口可乐等国际知名企业在中国的工程均采用了连成集团的产品。

百年连成、我们在行动

连成集团矢志于打造世界级流体处理工业企业，秉承永远珍惜人与自然和谐关系、为提高人类生活质量不懈努力的宗旨，为实现“百年连成”远大目标，一直致力于环保型、节能型产品的研发与制造，为民族企业的振兴与发展不懈努力！

水，因连成至高致远……！



中国驰名商标



上海市著名商标



国家级创新型企

shot blasting machine, automatic argon arc welding machine, 10 m large vertical car, large grinding machine, and CNC machine tool cluster. The Group has more than 3,000 employees, of which 72.6% are graduates of technical secondary school and junior college, and there are 475 middle-level titles, 78 senior titles, 19 national experts, and 6 professors. Every year, the Company invests a large amount of money in technology research and development and innovation, and carries out CFD analysis and intensity calculation of products through SOLIDWORKS software. The Company holds nearly 600 national patent technologies, and participates in the drafting and preparation of a large number of national and industry standards every year, involving over 20 products and technical standards in various fields such as water conservancy, chemical industry, fire protection and urban water supply. The Group has established a comprehensive sales service network, with more than 30 branch companies and over 200 affiliated agencies, and has a professional sales service team surpassing 1,800 people, providing professional technical support and excellent marketing services for customers.

Honored to Achieve Better Liancheng

The Group has passed ISO9001, ISO14001, OHSAS18001 and other international management system certifications, and fully implemented ERP and CRM information management platform. The Group has obtained national and industrial production licenses for industrial products in important fields such as industry, fire protection, coal mining and petrochemical industry, "Safe Production License", CCC China National Compulsory Product Certification, CQC Product Certification, CE Certification, Health Permit Approval, MA Coal Safety Certification, Energy Conservation Certification, Water Saving Certification, Measurement Management System Certification, International Standard Certification, Qualification of Import and Export Enterprise, and other production and operation qualifications. The Group has also been entitled with multiple social honors such as "National Science and Technology Progress Second Prize", "Dayu Water Conservancy Science and Technology First Prize", "National Innovation Enterprise", "High-tech Enterprise", "China Well-known Trademark", "National Standards Drafting Unit", "National First Batch of Enterprises Qualified for Water Pump Energy-Saving Certifications", "National Commodity After-sales Service Certification (Five-star)", "Shanghai Municipal Level Enterprise Technology Center", "Shanghai Intellectual Property Demonstration Enterprise", "Shanghai Famous Brand Products", "Top 100 Private Manufacturing Industries in Shanghai", "Top Ten National Brands of China Water Industry", "National Implementation of Customer Satisfaction Products".

Liancheng products are recognized by users at home and abroad

With the continuous operation of Liancheng Group, Liancheng products have been widely recognized by users and its projects range is as follows: National Stadium "Bird's Nest", National Grand Theatre, Shanghai World Expo Project, Capital Airport, Guangzhou Baiyun Airport, Qingdao International Airport, Shanghai Subway, Xi'an Subway, Shenyang Subway, Shougang Jingtang, Shougang Luannan Macheng Mining, Huozhou Coal and Electricity, Huludao Aluminum, Guangzhou Waterworks, Yumenkou Water Conservancy, Songjiang District Secondary Water Supply Reform, Hong Kong Water Supply Project Shenzhen Shawan Pumping Station, Macao Water Supply Project Zhuhai Pinggang Pumping Station, Yellow River Irrigation Shanxi Jiamakou Pumping Station, Shanxi Xifan Pumping Station, Guangdong Yun'an Liudu Pumping Station, Changyuan County Puxi District Rainwater Pumping Station, reconstruction of pumping station in the second phase of the Yellow River irrigation area in Weinan Donglei, Yellow River Xiaolangdi Water Conservancy Project, Ningxia Yellow River Irrigation Project, Ordos City Drinking Water Project, Qinshan Nuclear Power, Ling'ao Nuclear Power, Guodian Group, Datang Power Plant, Huaneng Power Plant, Baosteel, Shougang, Tangsteel, Taiyuan steel, Ansteel, Xinjiang Bayi Steel, Daqing Oilfield, Shengli Oilfield, PetroChina, Sinopec, CNOOC, Qinghai Salt Lake Sylvite Project, Shanxi Coking, Lu'an Mining, Shaanxi Xianyang Chemical, CNOOC Huizhou Refining Project, Tsinghua University, Haier Group and Angola Agricultural Drainage Project, Myanmar National Agricultural Irrigation Project, and a large number of domestic and foreign model projects such as nuclear power, thermal power, hydropower, steel, oil fields, coking, mining, chemical, and oil refining. Liancheng Group's products are used in projects in China by GM, Bayer, Siemens, Volkswagen, Coca-Cola and other internationally renowned companies.

Centurial Liancheng in Action

In order to build the world's top fluid processing industrial enterprise, adhere to cherishing the harmonious relationship between man and nature forever, improve the quality of human life, and achieve the goal of "Centurial Liancheng", Liancheng has been committed to the development and manufacture of environmentally friendly and energy-saving products, and has been making unremitting efforts for the revitalization and development of national enterprises!

Water reveals its holiness through Liancheng's endeavor...!

目录

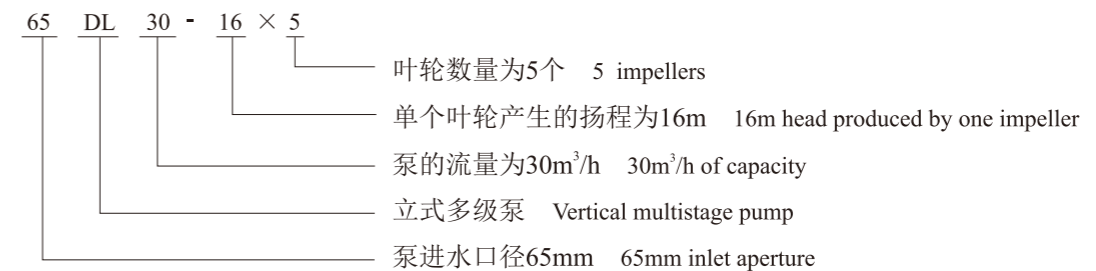
CONTENTS

概述 Overview	1
结构说明 On structure	1
DL型泵结构图 DL Type pump structure drawing	2
结构说明 Description of structure	3
可供选择的材料和结构特性 (订货时注明) Selectable materials and structural characteristics (please note at order)	3
泵的装配与拆卸 Assembly and disassembly	4
DL型泵型谱图 DL Type pump atlas of style	5
DL型泵性能曲线图 DL Type pump performance curve chart	6
DL型泵性能参数及外形安装尺寸图表 Performance data and installation drawing table	7
泵的几种安装方法 Several ways of installation	26
泵附件图及其尺寸表 Fittings drawing and dimension table	27
泵基础图及其联接尺寸 Basic drawing and link dimension	27

概述 Overview

- DL系列泵是立式、单吸、多级、分段式离心泵，供输送清水及物理化学性质类似于水的85℃以下的液体之用。
- 泵为立式安装，具有结构紧凑、噪声低、占地面积小等特点，主要用于城镇供水及集中供热系统。
- 泵型号意义：

- DL series pumps are vertical, single suction, multistage, sectional and centrifugal ones and used for transporting pure water and the liquids below 85°C and with the physical and chemical natures similar to water's.
- Vertically mounted, of a compact structure, low noise, small occupied land etc, features and mainly used for the water supply and the centralized heat supply system in cities.
- Model meaning:



- 本系列泵所执行的技术标准是：JB/TQ809-89《立式多级泵型式与基本参数》、GB5659-85《多级离心泵技术条件》。
- 泵的旋转方向：从电机端往下看，泵为逆时针方向旋转。

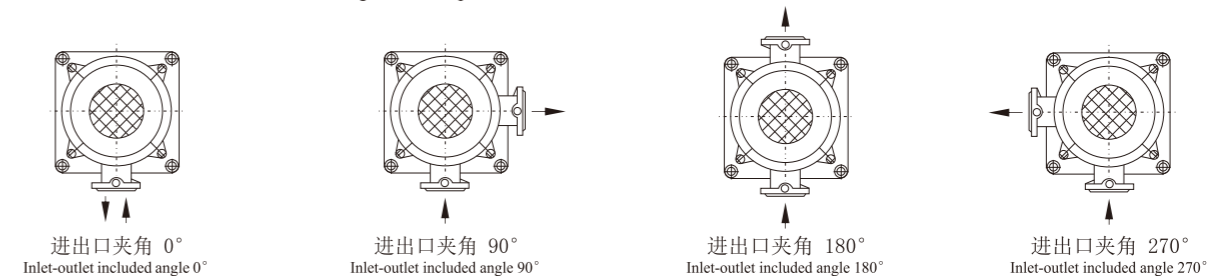
- The technical standard executed for this series pumps is: JB/TQ809-89 (Vertical multistage pump model and basic parameters), GB5659-85 (Technical conditions for multistage centrifugal pumps).
- Rotating direction of pump: CCW as viewed downward from the motor.

结构说明 On structure

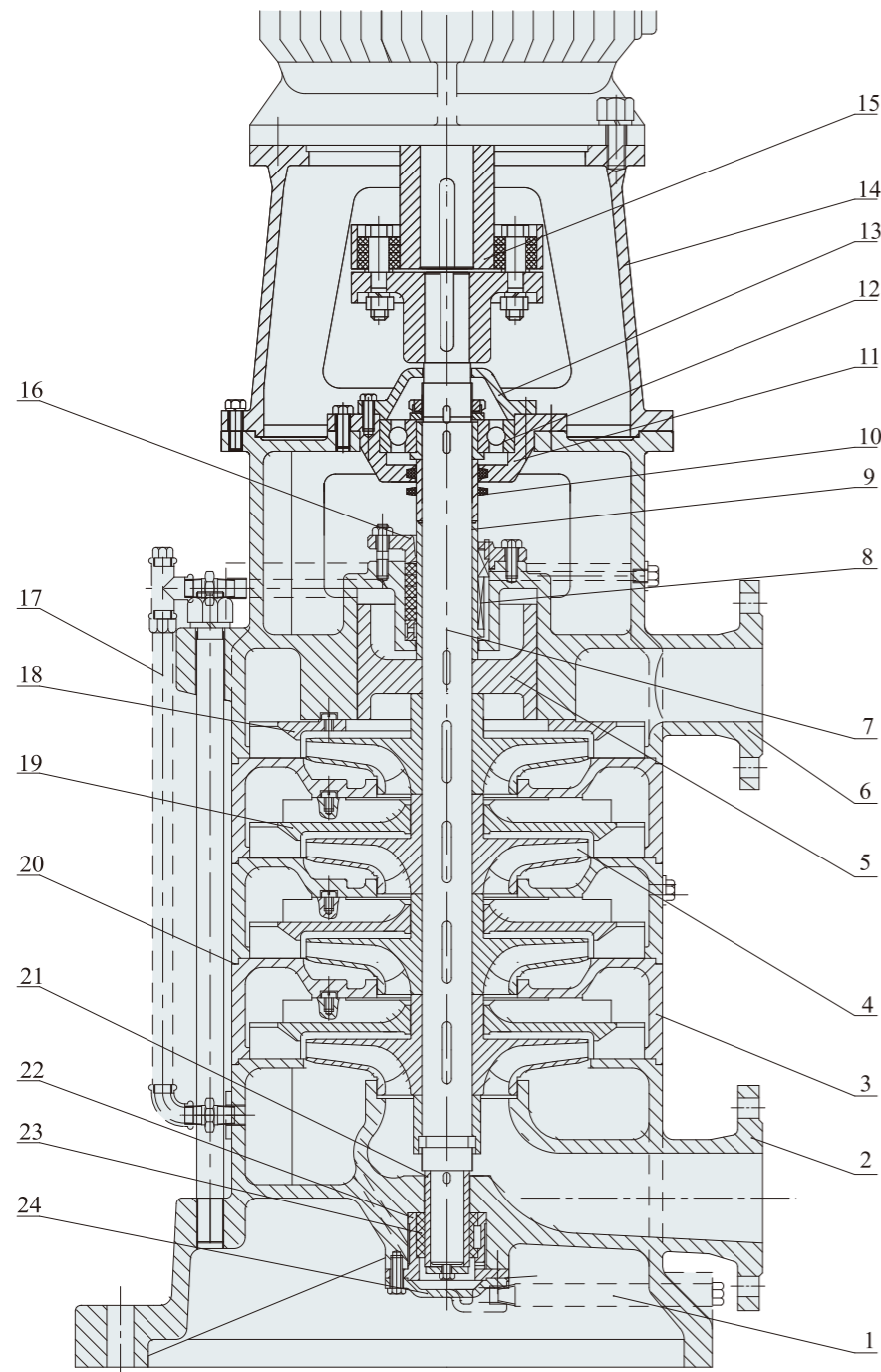
- DL型泵为立式结构，其吸入口位于进水段上（泵的下部），吐出口位于出水段上（泵的上部），均呈水平方向布置。可根据使用扬程的需要增减水泵级数。根据安装使用不同，进出口夹角可选用0°、90°、180°、270°四个方位（见下图），以调整吐出口的安装位置（若无特别说明，本公司将按进出口夹角180°出厂）。

- Model DL pump is vertically structured, its suction port is located on the inlet section (lower part of pump), spitting port on the output section (upper part of pump), both are horizontally positioned. The number of stages can be increased or decreased per the required head at use. There are four included angles of 0°, 90°, 180° and 270° available for selecting per different installations and uses in order to adjust the mounting position of the spitting port (the one when ex-works is 180° if no special note is given).

从电机端看，出口相对进口位置示意图
Schematic diagram of the position of the outlet relative to the inlet, as viewed from the motor



DL型泵结构图 DL type pump structure drawing



- 1.放水丝堵
drainage wire-jam
- 2.进水段
section casing
- 3.中段
stage casing
- 4.叶轮
impeller
- 5.平衡鼓
balancing sleeve
- 6.出水段
discharge casing
- 7.轴
shaft
- 8.机械密封/填料函体
mechanical seal/filling body
- 9.轴套
shaft sleeve
- 10.挡水套
water retaining sleeve
- 11.轴承体
bearing support
- 12.推力球轴承
thrust ball bearing
- 13.轴承盖
bearing cover
- 14.连接架
linkage stand
- 15.联轴器部件
coupling
- 16.机械密封/填料压盖
mechanical seal/gland cover
- 17.回水管部件
balancing pipe part
- 18.末级导叶
last-stage guide vanes
- 19.导叶
guide vane
- 20.密封圈/密封垫
seal ring/seal pad
- 21.水润滑轴承套
water lubricated bearing sleeve
- 22.水润滑轴承体
water lubricated bearing body
- 23.水润滑轴承
submerged bearing
- 24.水润滑轴承盖
water lubricated bearing cover

DL SERIES VERTICAL MULTI-STAGE CENTRIFUGAL PUMP

2. DL型泵的主要零件有：进水段、中段、出水段、叶轮、导叶、出水段导叶、轴、轴承、轴套、平衡鼓、连接架等。
- 2.1 进水段、中段、出水段、导叶、出水段导叶均为铸铁制成，共同形成泵的工作室。
- 2.2 叶轮为铸铁制成，液体沿轴向单侧进入，由于叶轮前后受压不等，会存在轴向力，此轴向力绝大部分由平衡鼓来平衡，而小部分残余轴向力由轴上端的球轴承来承受。
- 2.3 轴为优质碳钢制成，中间装有叶轮、平衡鼓和轴套，用键和轴套螺母固定在轴上组成为转子部件。轴的一端装有下列轴套，与塑料轴承相配合，另一端装有球轴承，借以支承转子部件。其上安装联轴器部件与电机直接连接。
- 2.4 轴封不仅用软填料，而且可与机械密封互换，当用软填料密封时，轴套磨损后可以更换。
轴封为机械密封时，采用平衡室内的压力水进行润滑和冷却。
轴封为填料密封时，出水段上的 3/8" 软管接头，用于把填料体中漏出的水通过软管排放到地沟里，以保持水泵周围场地的整洁。
- 2.5 泵上端轴承采用二硫化钼润滑脂润滑。

2. Major parts of the pump: inlet, middle and outlet sections, impeller, guide vane, guide vane on outlet section, shaft, bearing, shaft sleeve, balance drum and sleeve, link stand etc.
- 2.1 The inlet, middle and outlet sections, guide vane, guide vane on outlet section are all made of cast iron and mutually form the working room of the pump.
- 2.2 The impeller is made of cast-iron, Liquids go in from one side along with the shaft and an axial force may exist because unequal pressures on both front and back of the impeller. Most of the force is made balanced by the balance drum while its residual is supported by the ball bearing on the upper end of the shaft.
- 2.3 The shaft is made of qualified carbon steel and in its middle the impeller, balance drum and shaft sleeve are mounted, which are fixed with pins and shaft sleeve nuts on the shaft to form the rotor. On one end of the shaft a lower shaft sleeve is mounted, which is fitted with the plastic bearing, and on the other the ball bearing is mounted to support the rotor and on the top of it a clutch is mounted and directly connected to the motor.
- 2.4 Both balance drum and sleeve form the balance device of the pump and can be replaced when worn out.
- 2.5 The shaft seal can not only use soft filling but also be changed with mechanical seal, when using soft filling, the shaft sleeve can be replaced when worn out and, when as the mechanical seal, the pressure water inside of the balance room is used for lubrication and cooling.
When as the filling seal, the 3/8" flexible union on the outlet section is used through the flexible pipe to drain the water leaked from the filling body to the underground ditch to keep the place around the pump clean.
- 2.6 The bearing on the upper end of the pump uses molybdenum disulfide grease for lubrication.

可供选择的材料和结构特性 (订货时注明)

Selectable materials and structural characteristics (please note at order)

- | | |
|---------------------------|---|
| 1 轴封形式
shaft seal form | <ul style="list-style-type: none"> — 填料密封
filling seal — 机械密封
mechanical seal |
| 2 轴承
bearing | <ul style="list-style-type: none"> — 国产优质轴承
domestic qualified bearing — 进口低噪音轴承
imported low noise bearing |

- | | |
|------------------|--|
| 3 叶轮
impeller | <ul style="list-style-type: none"> — 铸铁HT200叶轮
cast-iron HT200 impeller — ZCuSn10Zn2铜合金叶轮
ZCuSn10Zn2 copper alloy impeller |
| 4 轴
shaft | <ul style="list-style-type: none"> — 45#钢轴
45# steel shaft — 不锈钢轴
stainless steel shaft |

泵的装配与拆卸 Assembly and disassembly

1. 部件组装:

- 1.1 将防砂管插入进水段孔内。将水中轴承装入水中轴承套内，并装在进水段上。
- 1.2 将平衡套压在出水段上，并装上出水段导叶。
- 1.3 在填料体上拧好双头螺柱，装上填料和填料压盖。
- 1.4 装好回水管部件。
- 1.5 在轴上嵌上短键，将下轴套穿入装上，并用挡圈和螺母压紧固定之。
- 1.6 将电机联轴器装到电机上。

2. 总装:

- 2.1 将轴穿入进水段，并将键放在轴键槽内，顺轴装上第一级叶轮。
- 2.2 将已装好导叶的中段顺轴装在出水段上，再装上第二级键、叶轮，重复以上步骤，直至将所有键、叶轮和中段装完。
- 2.3 将出水段装在中段上，装上平衡鼓。
- 2.4 在轴上嵌上短键，装上轴套。轴封为机械密封时，应连同轴套装好，然后穿在轴上，并用密封压盖固定之。轴封为填料时，先装好轴套，再上紧填料，并用填料压盖固定好。
- 2.5 装入挡水套，将轴承盒装在填料体上，并用螺栓紧固。
- 2.6 装上球轴承，并套上轴承挡板，再用螺母紧固。
- 2.7 往轴承盒内注入适量黄油，并将纸垫套在轴承盖上，将轴承盖装到轴承盒上，并用螺栓紧固，再装上泵联轴器，并用手盘动转子，检查转子是否灵活。
- 2.8 将联接架装在填料体上，用螺母紧固之，并在联接架上安装好电机。
- 2.9 在泵上装好回水管部件。
- 2.10 装上联轴器柱销和填料。装好放气旋塞、油杯和所有的丝堵。

3. 泵的拆卸按上述相反步骤进行。

1. Assembly of parts:

- 1.1 Insert the sand-proof tube into the hole on the inlet section. Put the water bearing into the water bearing sleeve and then in the inlet section.
- 1.2 Press the balance sleeve on both and outlet sections and mount the guide vane on the outlet section.
- 1.3 Tighten the stud on the filling body and place the filling and the filling gland.
- 1.4 Mount the back water pipe.
- 1.5 Inlay the short key on the shaft and put the lower shaft sleeve on, then fix it with the retaining ring and nuts.
- 1.6 Mount the clutch on the motor.

2. Assembly:

- 2.1 Insert the shaft into the inlet section and put the key into the key slot on the shaft and mount the first-stage impeller on along with the shaft.
- 2.2 Mount the middle section already mounted with the guide vane on the outlet section along with the shaft, then the secondstage key and impeller, repeat these steps till all keys, impellers and middle sections mounted.
- 2.3 Mount the outlet section on the middle one, the balance drum.
- 2.4 Inlay the short key on the shaft and put on the sleeve. When as a mechanical seal, the shaft seal has to be put on the sleeve, then on the shaft and fixed with a seal gland. In case a packing is used as the axis seal, first place the muff, then the packing and fix it with the packing gland.
- 2.5 Put the water retaining sleeve in. Mount the bearing case on the filling body and tighten it with a bolt.
- 2.6 Mount the ball bearing on and put a bearing baffle on it, then fix with nuts.
- 2.7 Add a proper amount of grease into the bearing case, put a paper pad on the bearing cover, then mount the bearing cover on the case and fix it with a bolt. Then mount the pump clutch and turn the rotor with hand to check if it turns flexibly.
- 2.8 Mount the linkage stand on the filling body and fix it with nuts then mount the motor on the stand.
- 2.9 Mount the back water pipe on the pump.
- 2.10 Mount the postal pin on the clutch and fill the filling. Mount the airbleed cock, oil cup and all wire-jams.

3. Take reversed steps to disassemble.

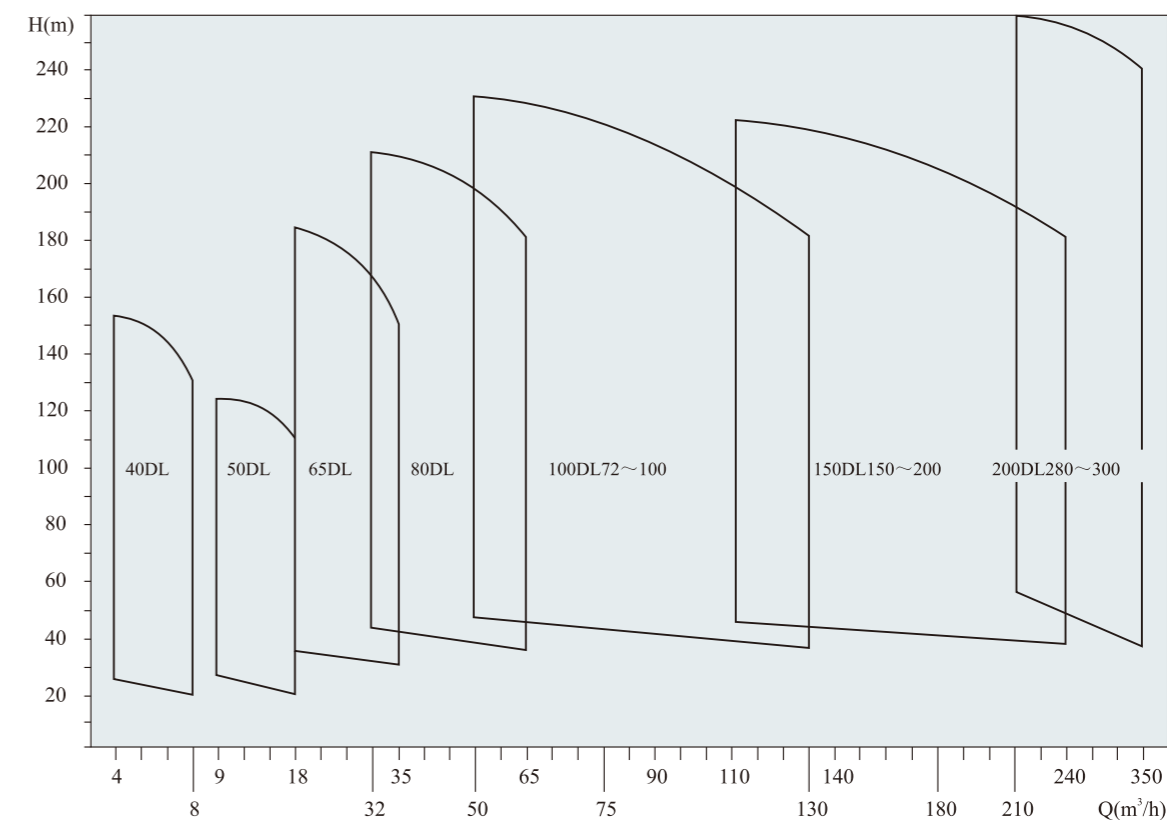
承压件试验压力

- 1、泵进水段做静水压试验，保持压力为0.6MPa，保压时间不少于5分钟，保证无泄漏、渗漏、冒汗等缺陷现象。
- 2、泵的中段与出水段组装在一起做静水压试验，保持压力为允许进口压力与最高级数泵的工作压力之和的1.5倍，保压时间不少于5分钟，保证无泄漏、渗漏、冒汗等缺陷现象。通常于允许进口压力为0.4MPa。

Test pressure of pressure parts

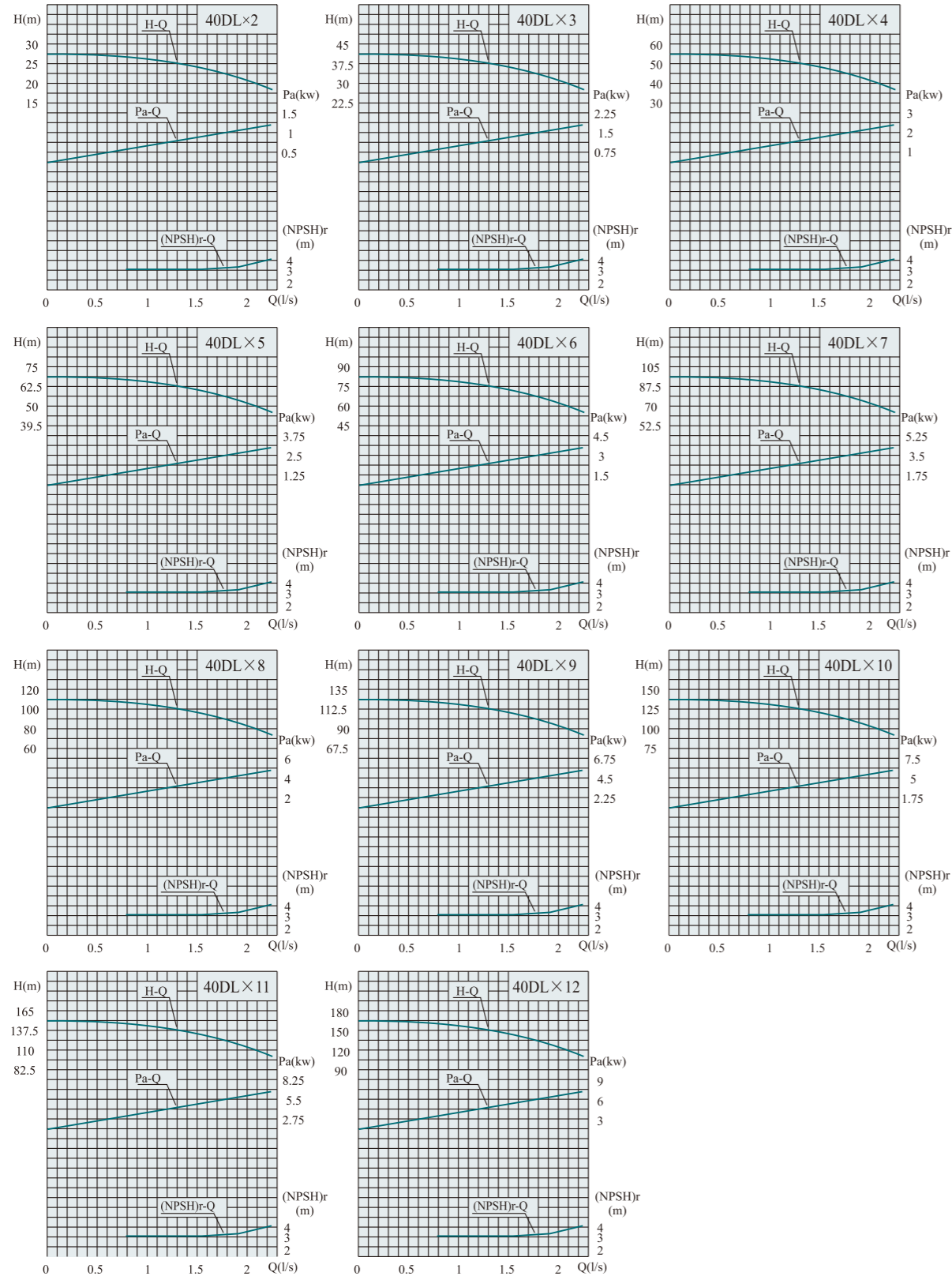
1. The pump suction hydrostatic test, maintain pressure is 0.6MPa, pressure time not less than 5 minutes, to ensure no leakage, leakage, sweating and so on defect phenomenon.
2. The pump and the middle section of the water outlet segment assembled together to do the hydrostatic test pressure, keeping the pressure is 1.5 times the allowable inlet pressure and the most senior of the number of pump pressure of work and Paul pressure time not less than 5 minutes, to ensure no leakage, leakage, sweating and so on defect phenomenon. Usually to allow the inlet pressure 0.4MPa.

DL型泵型谱图 DL type pump atlas of style



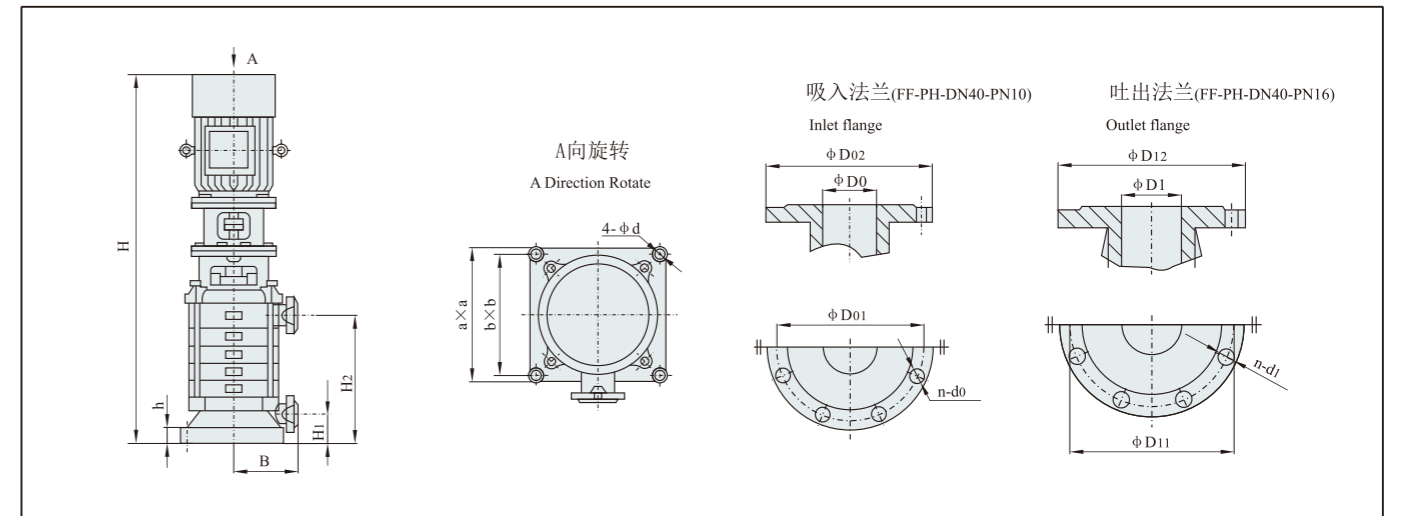
DL型泵性能曲线图 DL type pump performance curve chart

40DL×2~40DL×12



DL型泵性能参数及外形安装尺寸图表 Performance data and installation drawing table

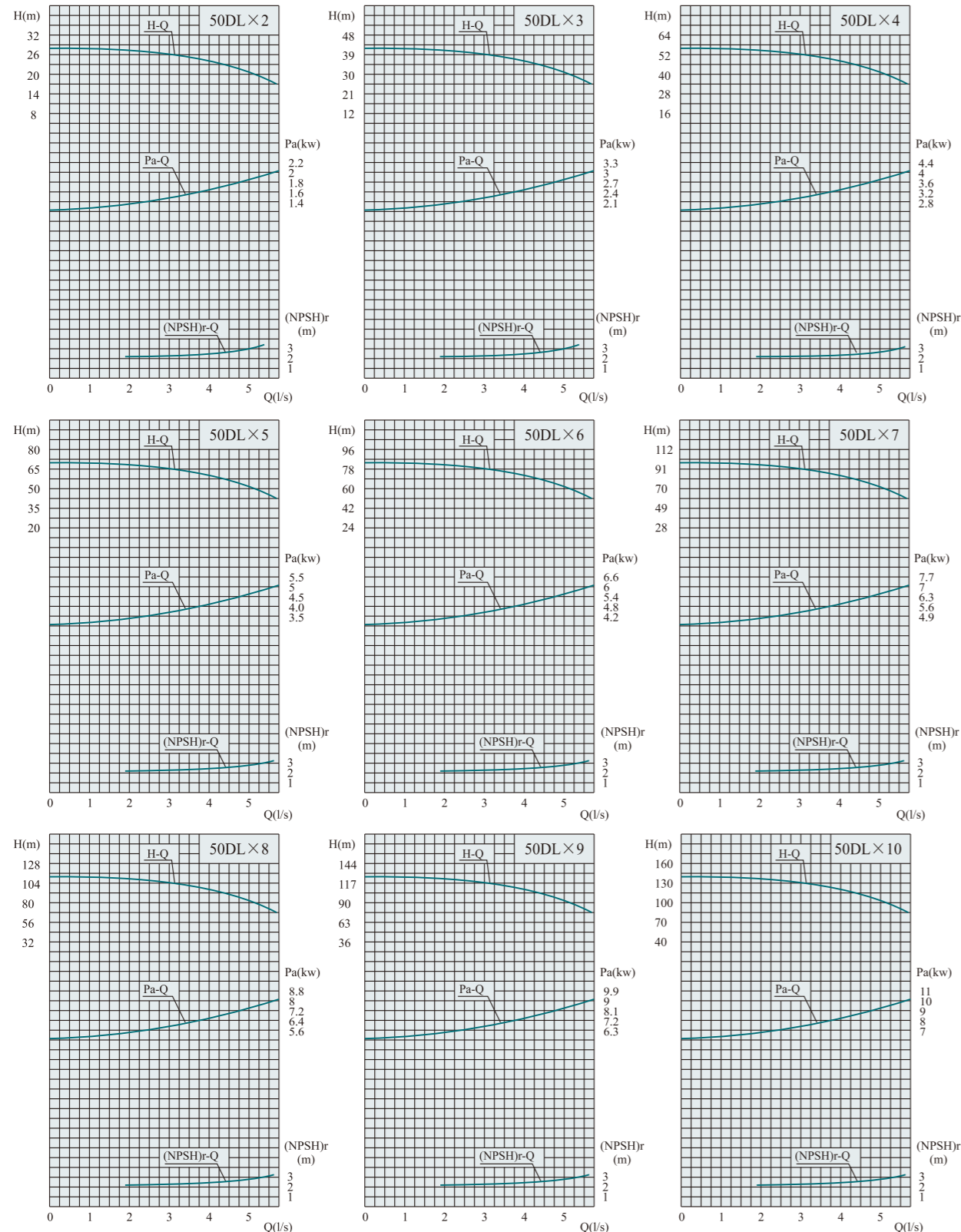
泵型号 Pump model	级数 Series	流量 Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)	泵型号 Pump model	级数 Series	流量 Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)
		(m³/h)	(L/s)								(m³/h)	(L/s)					
40DL6-12	2	4.2	1.17	26	1.5	1480	3	230	40DL6-12	7	4.2	1.17	91	5.5	1480	3	400
		6	1.67	23.6							82.6						
		7.2	2	22							77						
	3	4.2	1.17	39	2.2	1480	3	280		8	4.2	1.17	104	5.5	1480	3	415
		6	1.67	35.4							94.4						
		7.2	2	33							88						
4	4.2	1.17	52	3	1480	3	300	9	4.2	1.17	117	7.5	1480	3	450		
	6	1.67	47.2						106								
	7.2	2	44						99								
5	4.2	1.17	65	4	1480	3	330	10	4.2	1.17	130	7.5	1480	3	470		
	6	1.67	59						130								
	7.2	2	55						121								
6	4.2	1.17	78	4	1480	3	350	11	4.2	1.17	143	7.5	1480	3	490		
	6	1.67	70.8						130								
	7.2	2	66						132								
	12	4.2	1.17	156	11	1480	3	560			4.2	1.17	156	11	1480	3	560
		6	1.67	142							142						
		7.2	2	132							132						



泵型号 Pump model	级数 Series	外形尺寸 Figure dimension		安装尺寸 Installation dimension				吸入法兰 Inlet flange			吐出法兰 Outlet flange						
		H	a×a	H1	H2	h	B	b×b	4-φd	D0	D01	D02	n-d0	D1	D11	D12	n-d1
40DL6-12	2	968	345×345	112	282	55	225	300×300	φ18	40	110	150	4-φ17.5	40	110	150	4-φ17.5
	3	1073	345×345	112	342	55	225	300×300	φ18	40	110	150	4-φ17.5	40	110	150	4-φ17.5
	4	1133	345×345	112	402	55	225	300×300	φ18	40	110	150	4-φ17.5	40	110	150	4-φ17.5
	5	1213	345×345	112	462	55	225	300×300	φ18	40	110	150	4-φ17.5	40	110	150	4-φ17.5
	6	1273	345×345	112	522	55	225	300×300	φ18	40	110	150	4-φ17.5	40	110	150	4-φ17.5
	7	1408	345×345	112	582	55	225	300×300	φ18	40	110	150	4-φ17.5	40	110	150	4-φ17.5
	8	1468	345×345	112	642	55	225	300×300	φ18	40	110	150	4-φ17.5	40	110	150	4-φ17.5
	9	1568	345×345	112	702	55	225	300×300	φ18	40	110	150	4-φ17.5	40	110	150	4-φ17.5
	10	1628	345×345	112	762	55	225	300×300	φ18	40	110	150	4-φ17.5	40	110	150	4-φ17.5
	11	1688	345×345	112	822	55	225	300×300	φ18	40	110	150	4-φ17.5	40	110	150	4-φ17.5
	12	1833	345×345	112	882	55	225	300×300	φ18	40	110	150	4-φ17.5	40	110	150	4-φ17.5

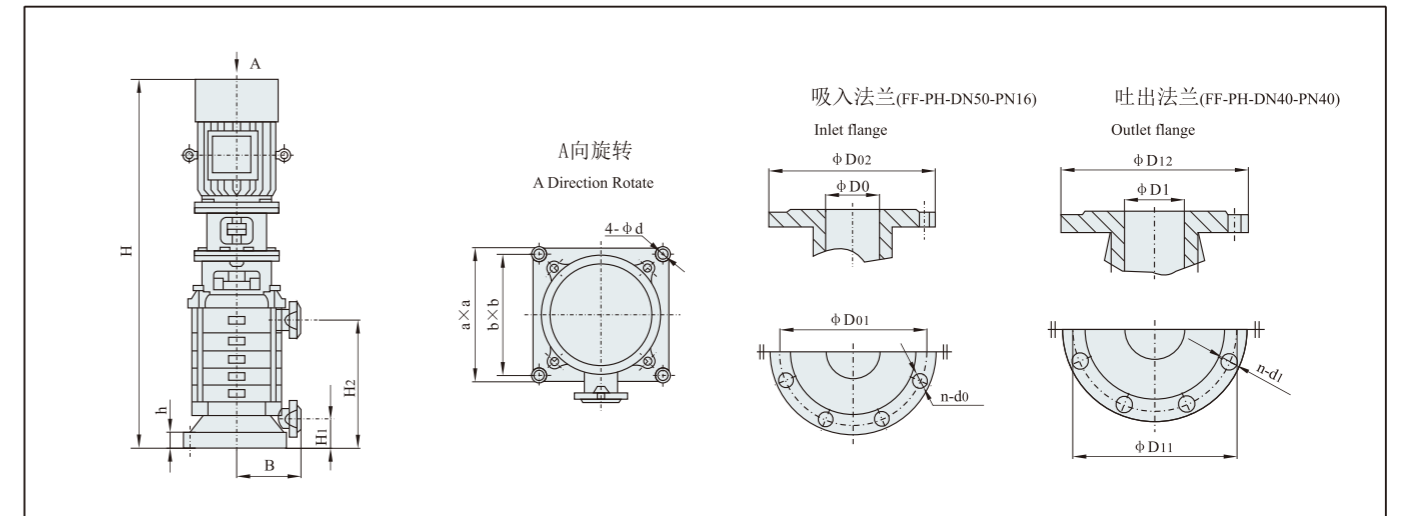
DL型泵性能曲线图 DL type pump performance curve chart

50DL×2~50DL×10



DL型泵性能参数及外形安装尺寸图表 Performance data and installation drawing table

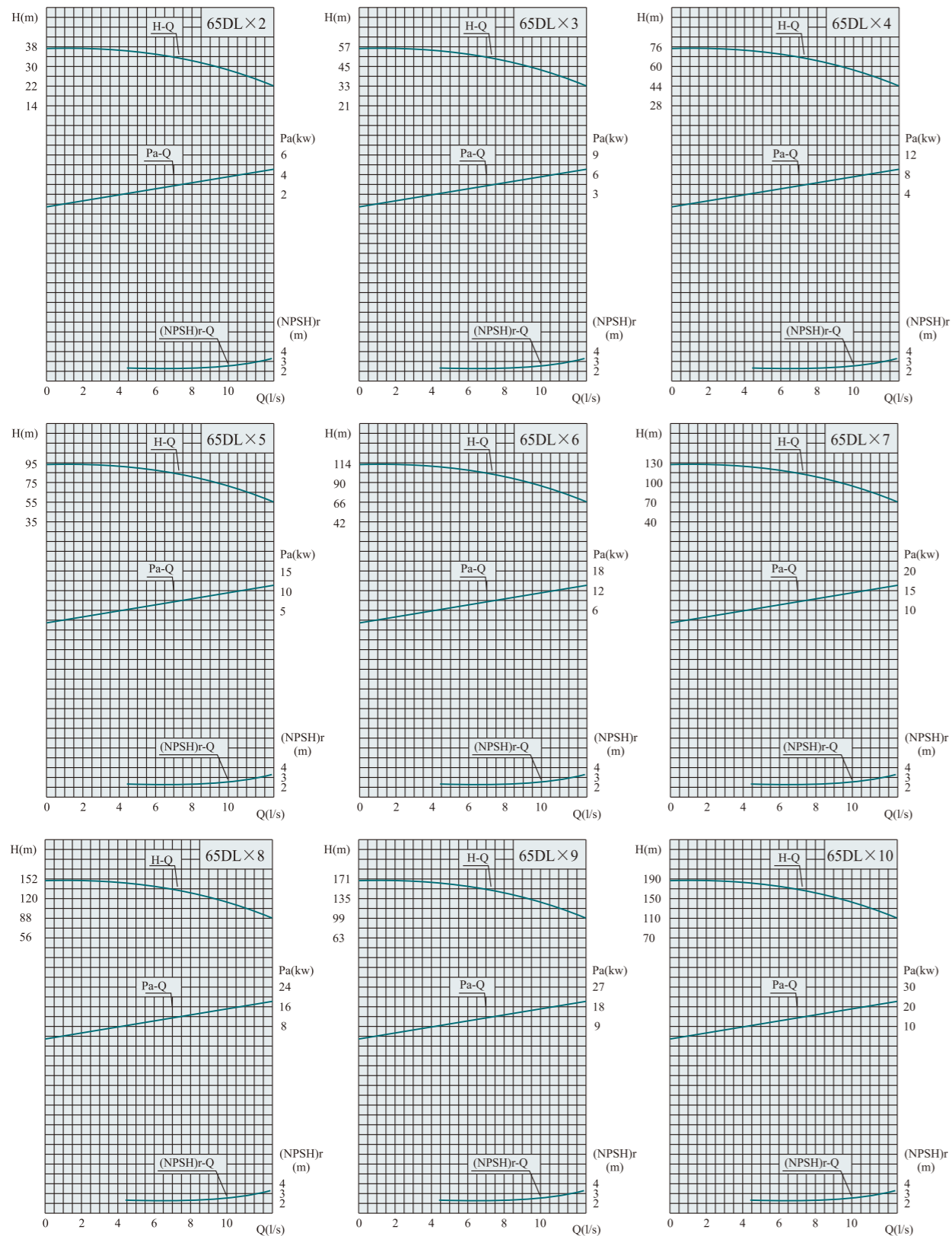
泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)	泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)	
		(m³/h)	(L/s)								(m³/h)	(L/s)						
50DL12-12.5	2	9 12.6	2.5 3.5	27 24.4	3	1480	2.6 2.7	235	50DL12-12.5	7	9 12.6	2.5 3.5	94.5 85.4	7.5	1480	2.6 2.7	380	
	3	9 12.6	2.5 3.5	40.5 36.6	3	1480	2.6 2.7	255		8	9 12.6	2.5 3.5	108 97.6	7.5	1480	2.6 2.7	405	
	4	9 12.6	2.5 3.5	54 48.8	4	1480	2.6 2.7	285		9	9 12.6	2.5 3.5	121.5 110	11	1480	2.6 2.7	470	
	5	9 12.6	2.5 3.5	67.5 61	5.5	1480	2.6 2.7	330		10	9 12.6	2.5 3.5	135 122	11	1480	2.6 2.7	490	
	6	9 12.6	2.5 3.5	81 73.2	5.5	1480	2.6 2.7	350										



泵型号 Pump model	级数 Series	外形尺寸 Figure dimension		安装尺寸 Installation dimension					吸入法兰 Inlet flange				吐出法兰 Outlet flange				
		H	a×a	H1	H2	h	B	b×b	4-φd	D0	D01	D02	n-d0	D1	D11	D12	n-d1
50DL12-12.5	2	1024	345×345	105	293	58	220	305×305	φ18	50	125	165	4-φ17.5	40	110	150	4-φ17.5
	3	1092	345×345	105	361	58	220	305×305	φ18	50	125	165	4-φ17.5	40	110	150	4-φ17.5
	4	1180	345×345	105	429	58	220	305×305	φ18	50	125	165	4-φ17.5	40	110	150	4-φ17.5
	5	1323	345×345	105	497	58	220	305×305	φ18	50	125	165	4-φ17.5	40	110	150	4-φ17.5
	6	1431	345×345	105	565	58	220	305×305	φ18	50	125	165	4-φ17.5	40	110	150	4-φ17.5
	7	1499	345×345	105	633	58	220	305×305	φ18	50	125	165	4-φ17.5	40	110	150	4-φ17.5
	8	1567	345×345	105	701	58	220	305×305	φ18	50	125	165	4-φ17.5	40	110	150	4-φ17.5
	9	1725	345×345	105	769	58	220	305×305	φ18	50	125	165	4-φ17.5	40	110	150	4-φ17.5
	10	1793	345×345	105	837	58	220	305×305	φ18	50	125	165	4-φ17.5	40	110	150	4-φ17.5

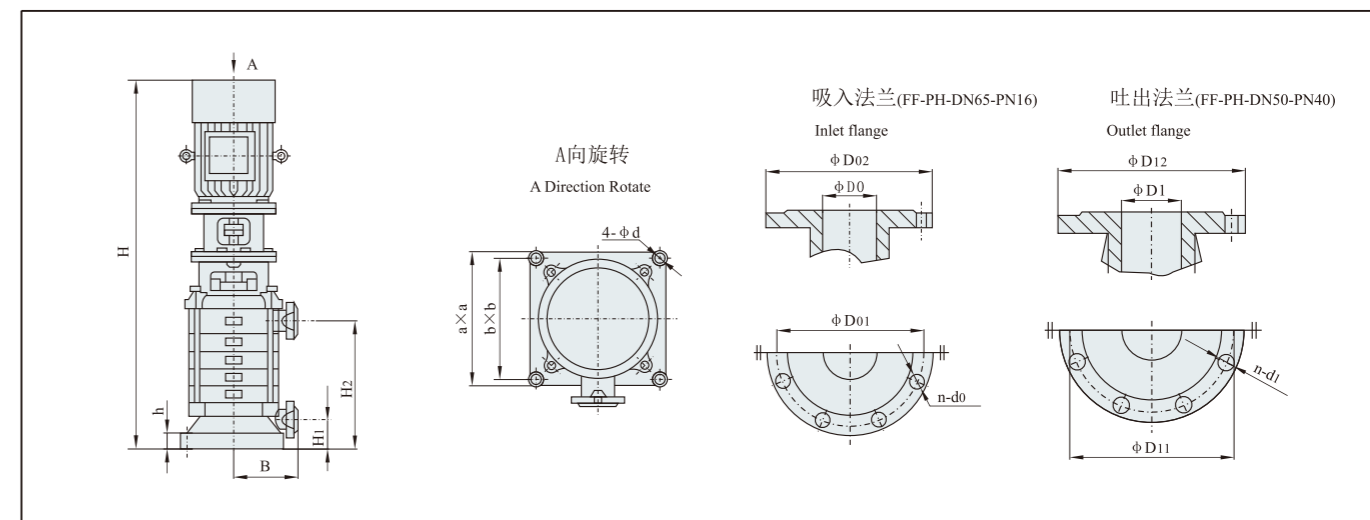
DL型泵性能曲线图 DL type pump performance curve chart

65DL×2~65DL×10



DL型泵性能参数及外形安装尺寸图表 Performance data and installation drawing table

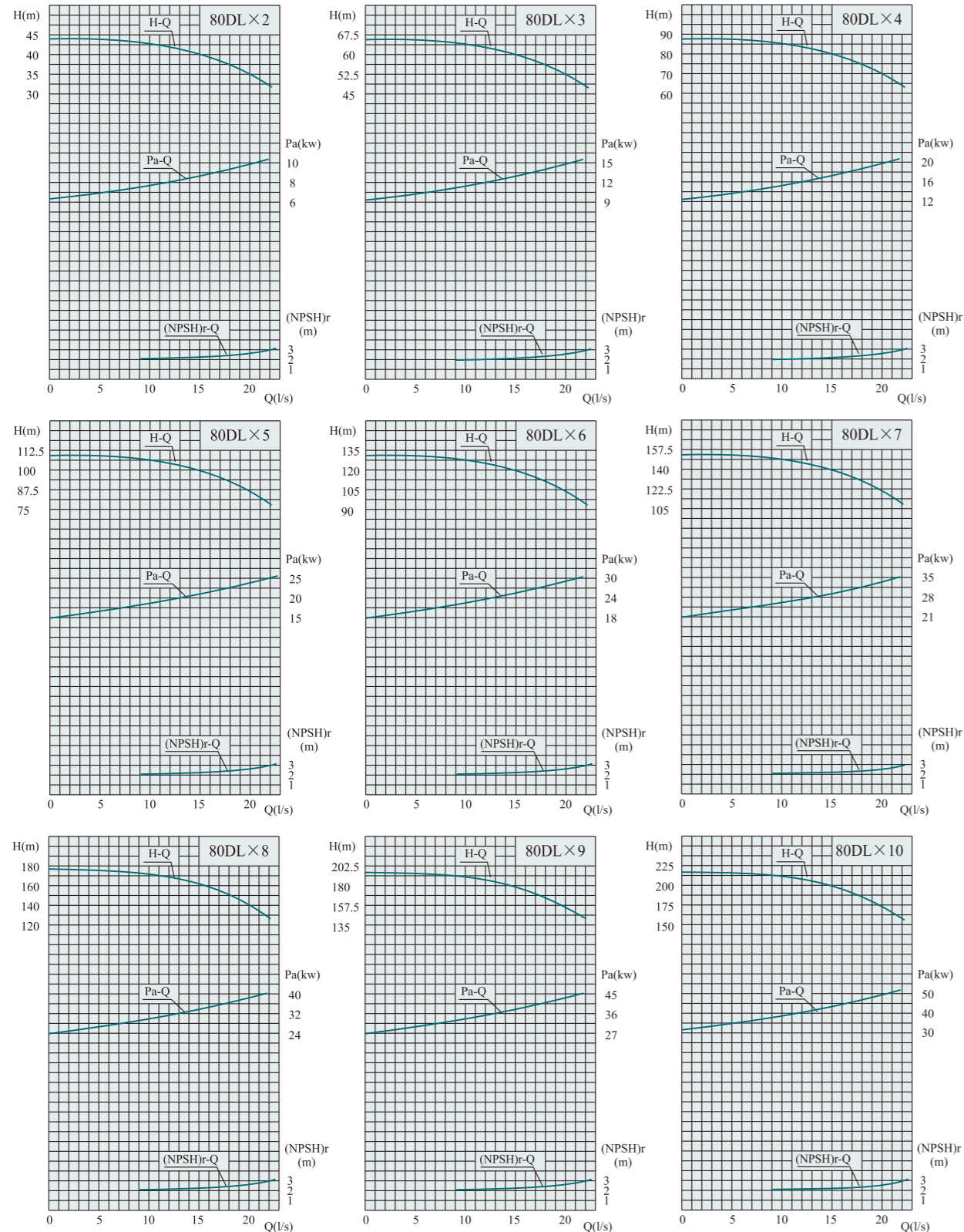
泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)	泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)			
		(m³/h)	(L/s)								(m³/h)	(L/s)								
65DL30-16	2	18	5	37	5.5	1480	2.41	380	65DL30-16	7	18	5	129.5	18.5	1480	2.41	730			
		30	8.33	32							112	2.82								
		35	9.72	29							101.5	3.03								
	3	18	5	55.5	7.5	1480	2.41	450		8	18	5	148	22	1480	2.41	795			
		30	8.33	48							128	2.82								
		35	9.72	43.5							116	3.03								
4	18	5	74	11	1480	2.41	540	9	18	5	166.5	22	1480	2.41	840					
	30	8.33	64						144	2.82										
	35	9.72	58						130.5	3.03										
5	18	5	92.5	15	1480	2.41	600	10	18	5	185	30	1480	2.41	965					
	30	8.33	80						160	2.82										
	35	9.72	72.5						145	3.03										
6	18	5	111	15	1480	2.41	645													
	30	8.33	96																	
	35	9.72	87																	



泵型号 Pump model	级数 Series	外形尺寸 Figure dimension		安装尺寸 Installation dimension					吸入法兰 Inlet flange				吐出法兰 Outlet flange				
		H	a×a	H1	H2	h	B	b×b	4-φd	D0	D01	D02	n-d0	D1	D11	D12	n-d1
65DL30-16	2	1217	430×430	167	364	45	260	370×370	φ26	65	145	185	4-φ17.5	50	125	165	4-φ17.5
	3	1337	430×430	167	444	45	260	370×370	φ26	65	145	185	4-φ17.5	50	125	165	4-φ17.5
	4	1522	430×430	167	524	45	260	370×370	φ26	65	145	185	4-φ17.5	50	125	165	4-φ17.5
	5	1647	430×430	167	604	45	260	370×370	φ26	65	145	185	4-φ17.5	50	125	165	4-φ17.5
	6	1727	430×430	167	684	45	260	370×370	φ26	65	145	185	4-φ17.5	50	125	165	4-φ17.5
	7	1832	430×430	167	764	45	260	370×370	φ26	65	145	185	4-φ17.5	50	125	165	4-φ17.5
	8	1952	430×430	167	844	45	260	370×370	φ26	65	145	185	4-φ17.5	50	125	165	4-φ17.5
	9	2032	430×430	167	924	45	260	370×370	φ26	65	145	185	4-φ17.5	50	125	165	4-φ17.5
	10	2177	430×430	167	1004	45	260	370×370	φ26	65	145	185	4-φ17.5	50	125	165	4-φ17.5

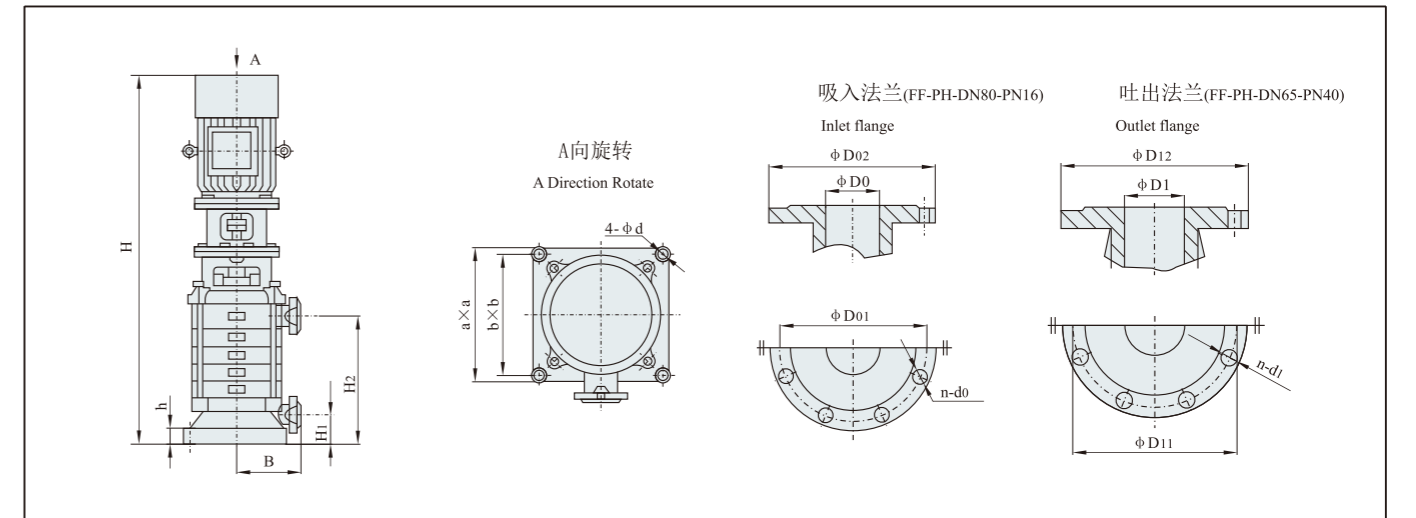
DL型泵性能曲线图 DL type pump performance curve chart

80DL×2~80DL×10



DL型泵性能参数及外形安装尺寸图表 Performance data and installation drawing table

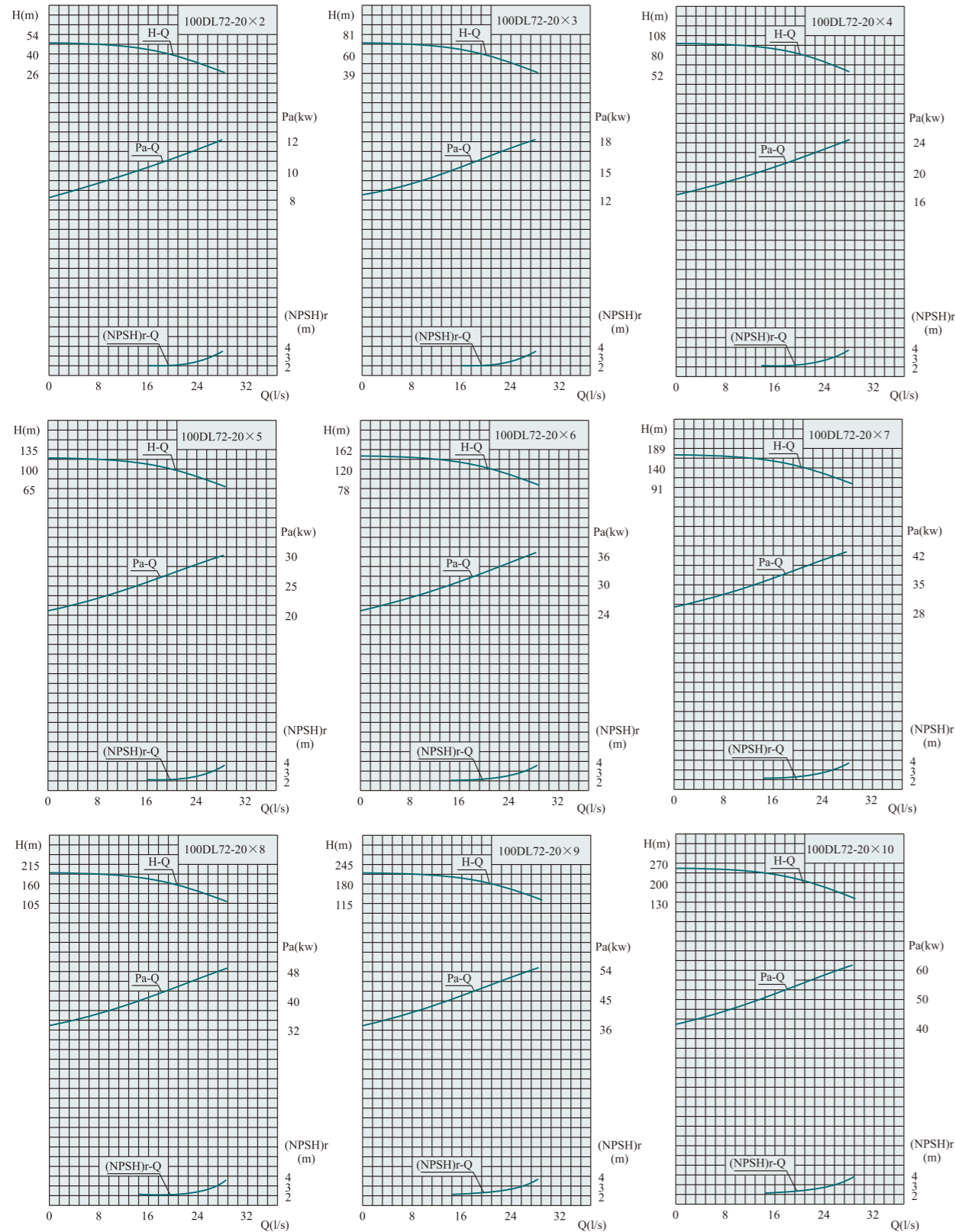
泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)	泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)
		(m³/h)	(L/s)								(m³/h)	(L/s)					
80DL50-20	2	32.4	9	42	11	1480	2.2	570	80DL50-20	7	32.4	9	151	37	1480	2.2	1040
		50.4	14	40	11	1480	2.5				140	37	1480	2.5			
	65	18	36	11	1480	2.8	120	37		1480	2.8						
	3	32.4	9	63	15	1480	2.2	640		8	32.4	9	173	45	1480	2.2	1120
		50.4	14	60	15	1480	2.5				160	45	1480	2.5			
	65	18	54	15	1480	2.8	137	45		1480	2.8						
4	32.4	9	84	22	1480	2.2	760	9	32.4	9	194	45	1480	2.2	1175		
	50.4	14	80	22	1480	2.5			180	45	1480	2.5					
65	18	72	22	1480	2.8	154	45	1480	2.8								
5	32.4	9	105	30	1480	2.2	900	10	32.4	9	216	55	1480	2.2	1335		
	50.4	14	100	30	1480	2.5			200	55	1480	2.5					
65	18	90	30	1480	2.8	171	55	1480	2.8								
6	32.4	9	126	30	1480	2.2	945										
	50.4	14	120	30	1480	2.5											
65	18	108	30	1480	2.8												



泵型号 Pump model	级数 Series	外形尺寸 Figure dimension			安装尺寸 Installation dimension					吸入法兰 Inlet flange				吐出法兰 Outlet flange				
		H	a×a		H1	H2	h	B	b×b	4-φd	D0	D01	D02	n-d0	D1	D11	D12	n-d1
80DL50-20	2	1396	470×470		150	427	55	280	410×410	φ26	80	160	200	8-φ17.5	65	145	185	4-φ17.5
	3	1530	470×470		150	516	55	280	410×410	φ26	80	160	200	8-φ17.5	65	145	185	4-φ17.5
	4	1684	470×470		150	605	55	280	410×410	φ26	80	160	200	8-φ17.5	65	145	185	4-φ17.5
	5	1838	470×470		150	694	55	280	410×410	φ26	80	160	200	8-φ17.5	65	145	185	4-φ17.5
	6	1927	470×470		150	783	55	280	410×410	φ26	80	160	200	8-φ17.5	65	145	185	4-φ17.5
	7	2061	470×470		150	872	55	280	410×410	φ26	80	160	200	8-φ17.5	65	145	185	4-φ17.5
	8	2175	470×470		150	961	55	280	410×410	φ26	80	160	200	8-φ17.5	65	145	185	4-φ17.5
	9	2264	470×470		150	1050	55	280	410×410	φ26	80	160	200	8-φ17.5	65	145	185	4-φ17.5
	10	2543	470×470		150	1139	55	280	410×410	φ26	80	160	200	8-φ17.5	65	145	185	4-φ17.5

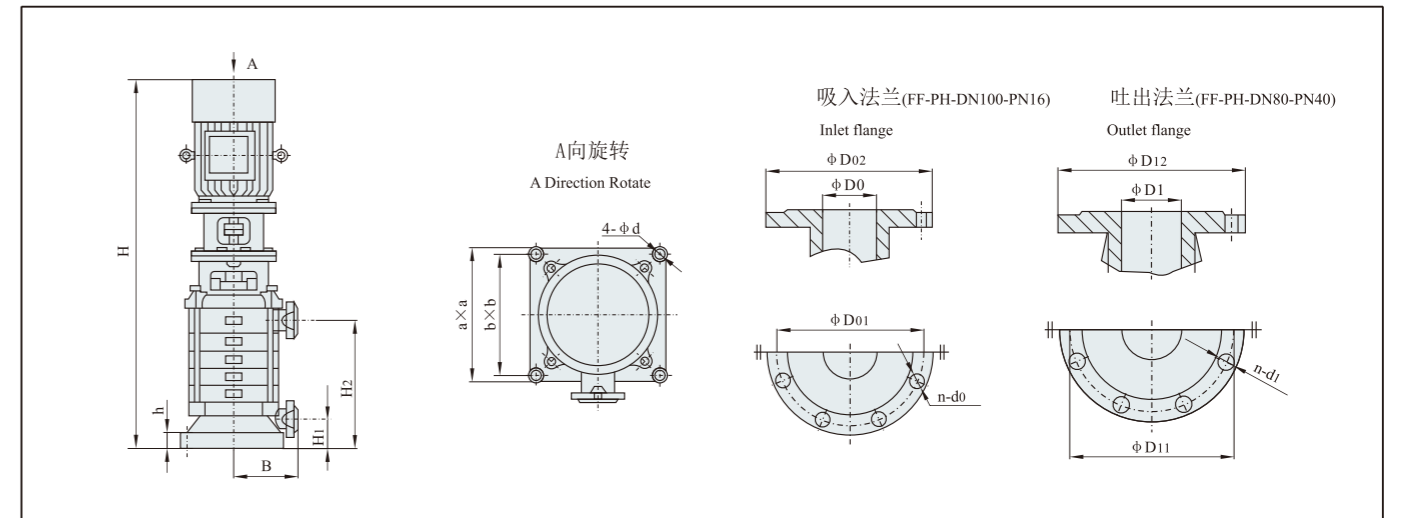
DL型泵性能曲线图 DL type pump performance curve chart

100DL72-20×2~100DL72-20×10



DL型泵性能参数及外形安装尺寸图表 Performance data and installation drawing table

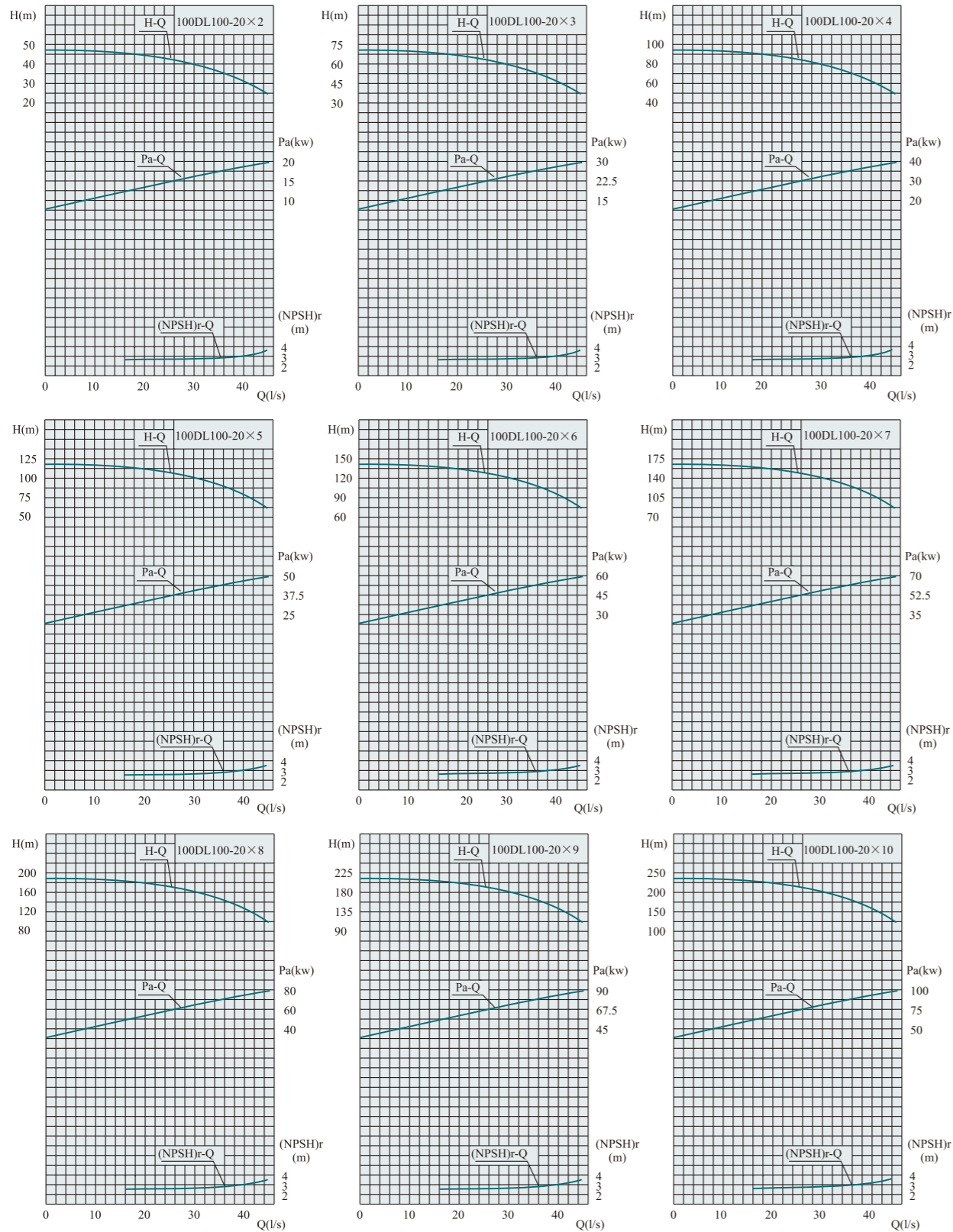
泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)	泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)			
		(m³/h)	(L/s)								(m³/h)	(L/s)								
100DL72-20	2	50.4	14	46	15	1480	2.2	755	100DL72-20	7	50.4	14	157	45	1480	2.2	1435			
		72	20	40							140									
		86.4	24	36							126									
	3	50.4	14	69	22	1480	2.2	890		8	50.4	14	184	55	1480	2.2	1490			
		72	20	60							160									
		86.4	24	54							144									
4	50.4	14	92	30	1480	2.2	985	9	50.4	14	207	55	1480	2.2	1590					
	72	20	80						180											
	86.4	24	72						162											
5	50.4	14	115	37	1480	2.2	1070	10	50.4	14	230	75	1480	2.2	1650					
	72	20	100						200											
	86.4	24	90						180											
6	50.4	14	138	37	1480	2.2	1235													
	72	20	120																	
	86.4	24	108																	



泵型号 Pump model	级数 Series	外形尺寸 Figure dimension			安装尺寸 Installation dimension				吸入法兰 Inlet flange				吐出法兰 Outlet flange					
		H	a×a		H ₁	H ₂	h	B	b×b	4-φd	D ₀	D ₀₁	D ₀₂	n-d ₀	D ₁	D ₁₁	D ₁₂	n-d ₁
100DL72-20	2	1460	465×465		172	467	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	3	1628	465×465		172	570	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	4	1796	465×465		172	673	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	5	1944	465×465		172	776	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	6	2072	465×465		172	879	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	7	2365	465×465		172	982	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	8	2468	465×465		172	1085	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	9	2656	465×465		172	1188	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	10	2759	465×465		172	1291	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5

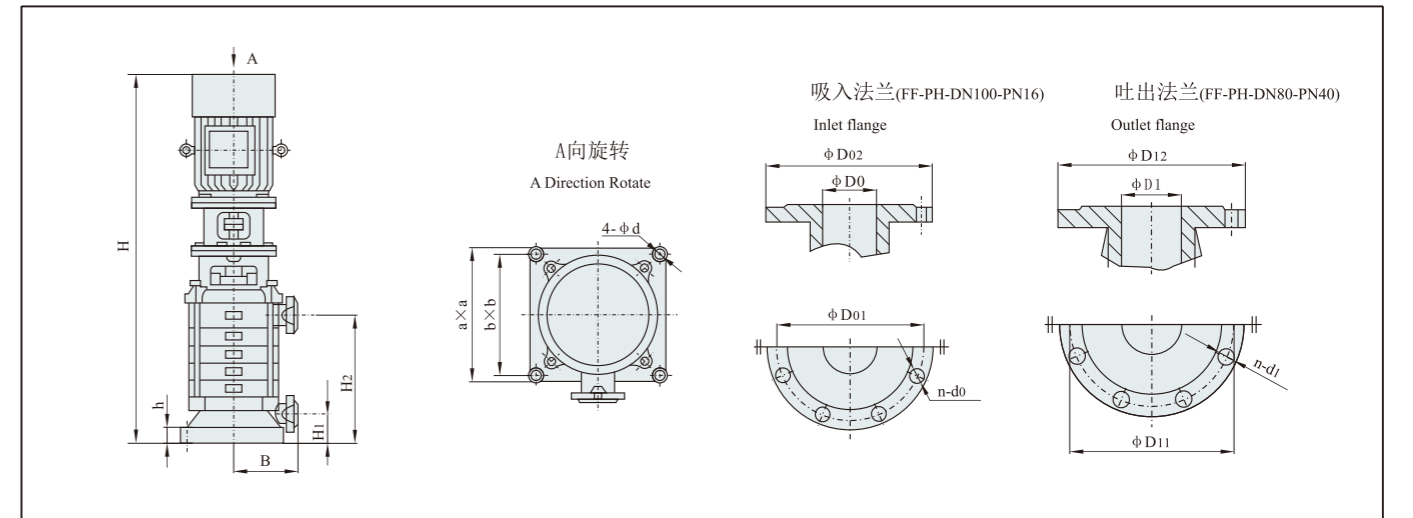
DL型泵性能曲线图 DL type pump performance curve chart

100DL100-20×2~100DL100-20×10



DL型泵性能参数及外形安装尺寸图表 Performance data and installation drawing table

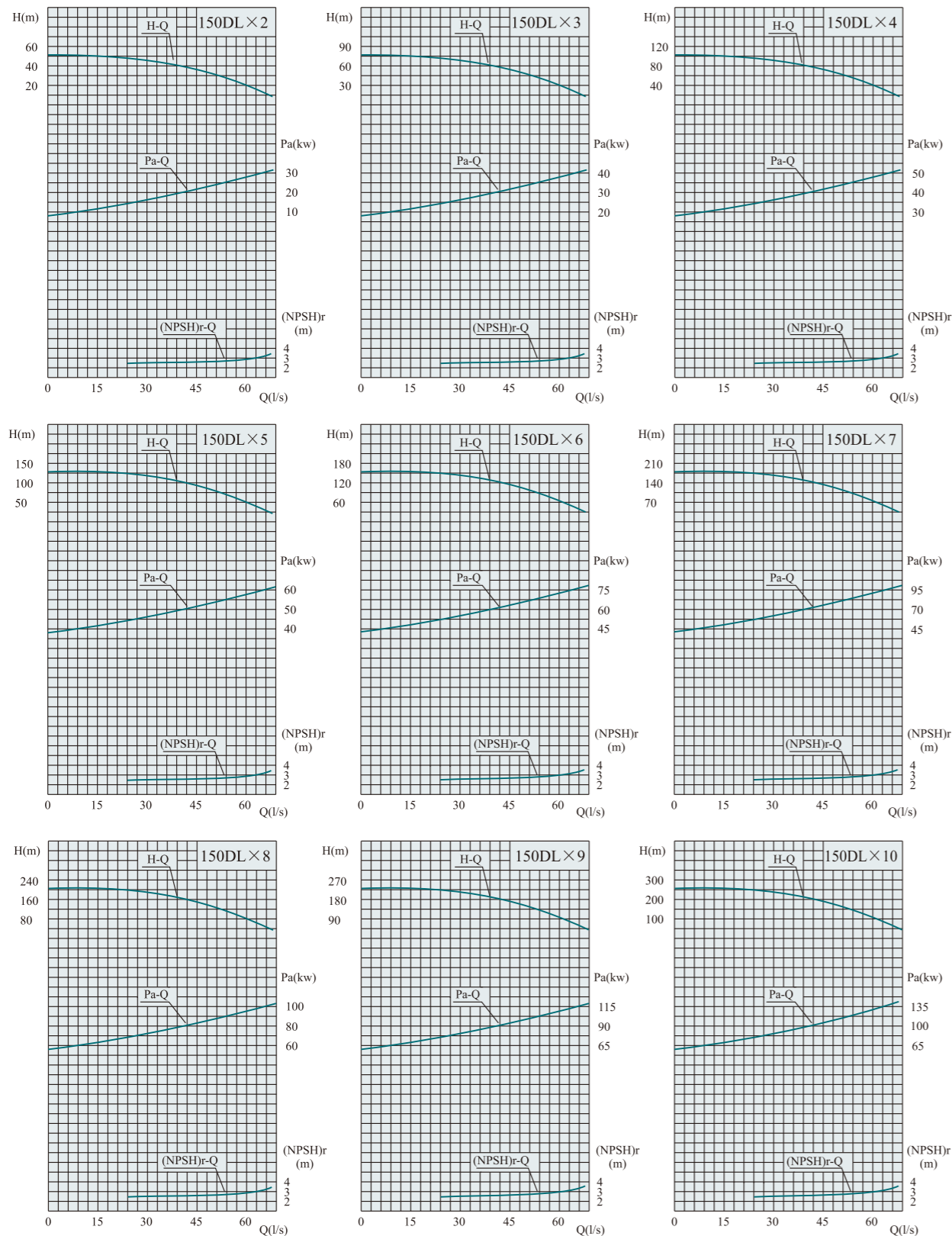
泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)	泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)		
		(m³/h)	(L/s)								(m³/h)	(L/s)							
100DL100-20	2	72	20	46	18.5	1480	2.8	765	100DL100-20	7	72	20	157	75	1480	2.8	1445		
		100	27.8	36							140	126	3.5						
		126	35	40							126	4.4							
	3	72	20	69	30	1480	2.8	900		8	72	20	184	75	1480	2.8	1500		
		100	27.8	60							160	144	3.5						
		126	35	54							144	4.4							
4	72	20	92	37	1480	2.8	995	9	72	20	207	90	1480	2.8	1600				
	100	27.8	80						180	162	3.5								
	126	35	72						162	4.4									
5	72	20	115	45	1480	2.8	1080	10	72	20	230	90	1480	2.8	1660				
	100	27.8	100						200	180	3.5								
	126	35	90						180	4.4									
6	72	20	138	55	1480	2.8	1245												
	100	27.8	120																
	126	35	108																



泵型号 Pump model	级数 Series	外形尺寸 Figure dimension		安装尺寸 Installation dimension					吸入法兰 Inlet flange				吐出法兰 Outlet flange				
		H	a×a	H1	H2	h	B	b×b	4-φd	D0	D01	D02	n-d0	D1	D11	D12	n-d1
100DL100-20	2	1485	465×465	172	467	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	3	1693	465×465	172	570	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	4	1841	465×465	172	673	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	5	1969	465×465	172	776	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	6	2262	465×465	172	879	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	7	2450	465×465	172	982	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	8	2553	465×465	172	1085	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	9	2706	465×465	172	1188	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5
	10	2809	465×465	172	1291	50	280	410×410	φ24	100	180	220	8-φ17.5	80	160	200	8-φ17.5

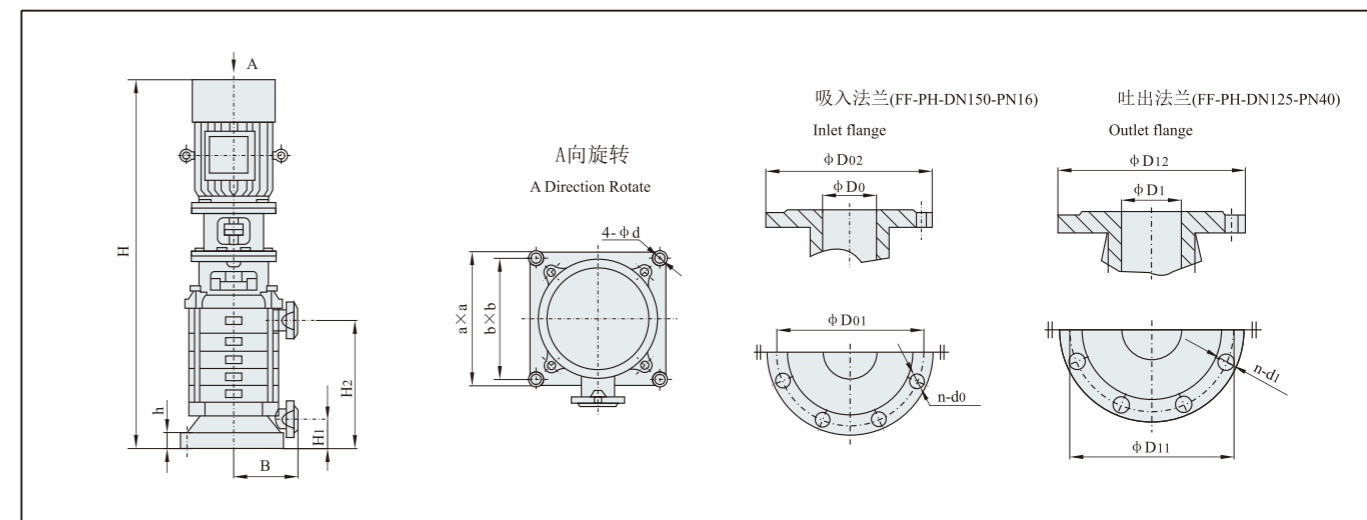
DL型泵性能曲线图 DL type pump performance curve chart

150DL150-20×2~150DL150-20×10



DL型泵性能参数及外形安装尺寸图表 Performance data and installation drawing table

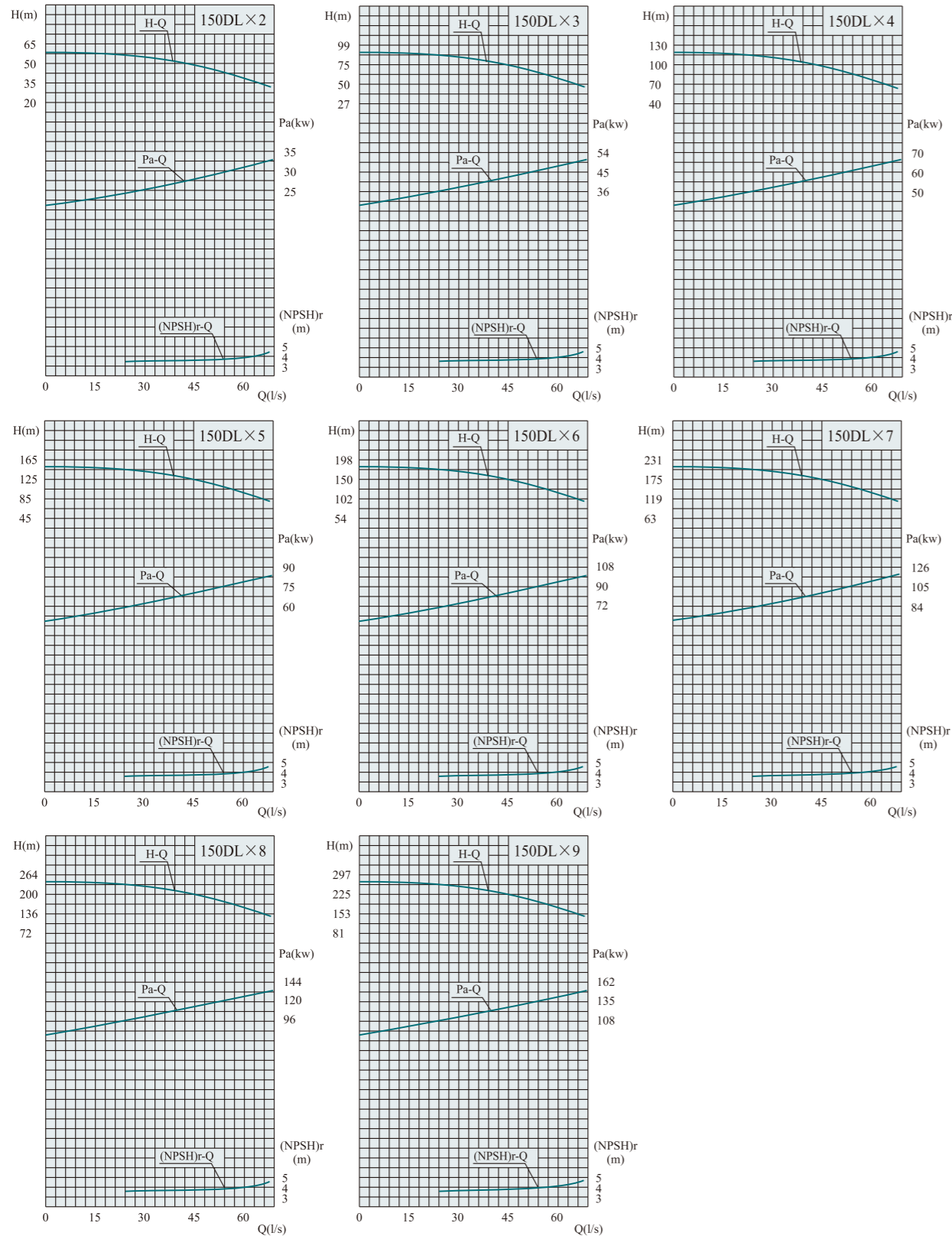
泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)	泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)			
		(m³/h)	(L/s)								(m³/h)	(L/s)								
150DL150-20	2	108	30	45	30	1480	2.2	815	150DL150-20	7	108	30	157.5	90	1480	2.2	1560			
		150	41.6	40							140	2.8								
		180	50	34							119	3.7								
	3	108	30	67.5	37	1480	2.2	960		8	108	30	180	90	1480	2.2	1710			
		150	41.6	60							160	2.8								
		180	50	51							136	3.7								
4	108	30	90	45	1480	2.2	1100	9	108	30	200	110	1480	2.2	1870					
	150	41.6	80						180	2.8										
	180	50	68						156	3.7										
5	108	30	112.5	55	1480	2.2	1245	10	108	30	220	132	1480	2.2	2050					
	150	41.6	100						200	2.8										
	180	50	85						176	3.7										
6	108	30	135	75	1480	2.2	1410													
	150	41.6	120																	
	180	50	102																	



泵型号 Pump model	级数 Series	外形尺寸 Figure dimension		安装尺寸 Installation dimension					吸入法兰 Inlet flange				吐出法兰 Outlet flange				
		H	a×a	H1	H2	h	B	b×b	4-φd	D0	D01	D02	n-d0	D1	D11	D12	n-d1
150DL150-20	2	1745	480×480	208	559	65	380	430×430	φ26	150	240	285	8-φ22	125	220	270	8-φ26
	3	1920	480×480	208	689	65	380	430×430	φ26	150	240	285	8-φ22	125	220	270	8-φ26
	4	2265	480×480	208	819	65	380	430×430	φ26	150	240	285	8-φ22	125	220	270	8-φ26
	5	2480	480×480	208	949	65	380	430×430	φ26	150	240	285	8-φ22	125	220	270	8-φ26
	6	2610	480×480	208	1079	65	380	430×430	φ26	150	240	285	8-φ22	125	220	270	8-φ26
	7	2790	480×480	208	1209	65	380	430×430	φ26	150	240	285	8-φ22	125	220	270	8-φ26
	8	3140	480×480	208	1339	65	380	430×430	φ26	150	240	285	8-φ22	125	220	270	8-φ26
	9	3270	480×480	208	1469	65	380	430×430	φ26	150	240	285	8-φ22	125	220	270	8-φ26
	10	3500	480×480	208	1599	65	380	430×430	φ26	150	240	285	8-φ22	125	220	270	8-φ26

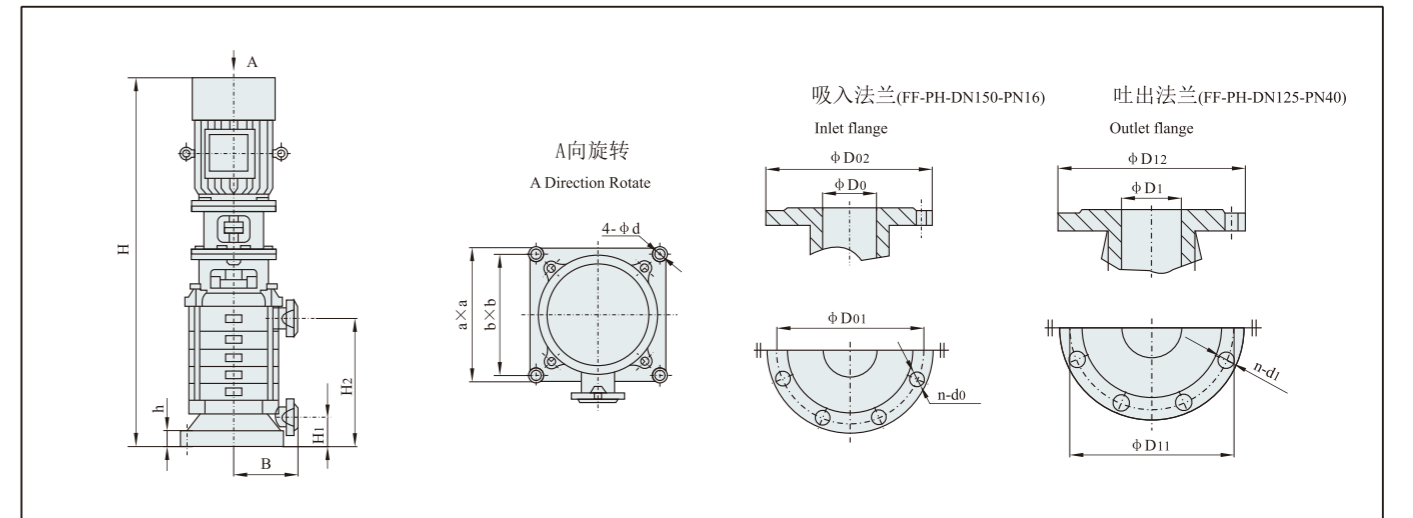
DL型泵性能曲线图 DL type pump performance curve chart

150DL160-25×2~150DL160-25×9



DL型泵性能参数及外形安装尺寸图表 Performance data and installation drawing table

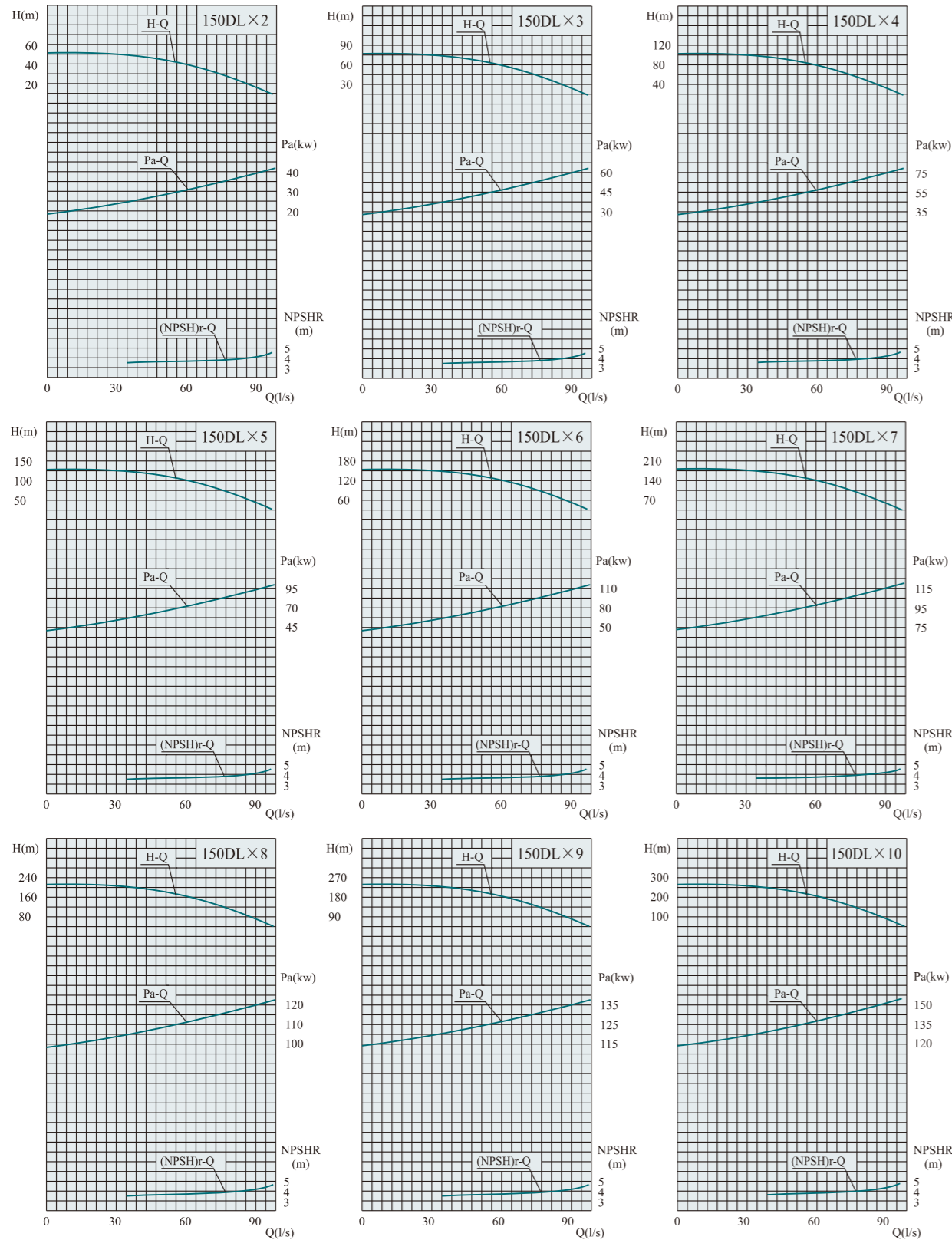
泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)	泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)
		(m³/h)	(L/s)								(m³/h)	(L/s)					
150DL160-25	2	120	33.3	53	37	1480	3.1	825	150DL160-25	6	120	33.3	159	110	1480	3.1	1410
		160	44.4	50	37	1480	3.5	825			160	44.4	150	110	1480	3.5	1410
		200	55.6	44	37	1480	3.8	825			200	55.6	132	110	1480	3.8	1410
	3	120	33.3	79.5	55	1480	3.1	970		7	120	33.3	186	132	1480	3.1	1570
		160	44.4	75	55	1480	3.5	970			160	44.4	175	132	1480	3.5	1570
		200	55.6	66	55	1480	3.8	970			200	55.6	154	132	1480	3.8	1570
	4	120	33.3	106	75	1480	3.1	1110		8	120	33.3	212	132	1480	3.1	1720
		160	44.4	100	75	1480	3.5	1110			160	44.4	200	132	1480	3.5	1720
		200	55.6	88	75	1480	3.8	1110			200	55.6	176	132	1480	3.8	1720
	5	120	33.3	133	90	1480	3.1	1255		9	120	33.3	239	160	1480	3.1	1880
		160	44.4	125	90	1480	3.5	1255			160	44.4	225	160	1480	3.5	1880
		200	55.6	110	90	1480	3.8	1255			200	55.6	198	160	1480	3.8	1880



泵型号 Pump model	级数 Series	外形尺寸 Figure dimension		安装尺寸 Installation dimension					吸入法兰 Inlet flange				吐出法兰 Outlet flange				
		H	a×a	H ₁	H ₂	h	B	b×b	4-φd	D ₀	D ₀₁	D ₀₂	n-d ₀	D ₁	D ₁₁	D ₁₂	n-d ₁
150DL160-25	2	1985	600×600	213	559	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26
	3	2330	600×600	213	689	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26
	4	2545	600×600	213	819	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26
	5	2725	600×600	213	949	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26
	6	3075	600×600	213	1079	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26
	7	3305	600×600	213	1209	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26
	8	3435	600×600	213	1339	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26
	9	3565	600×600	213	1469	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26

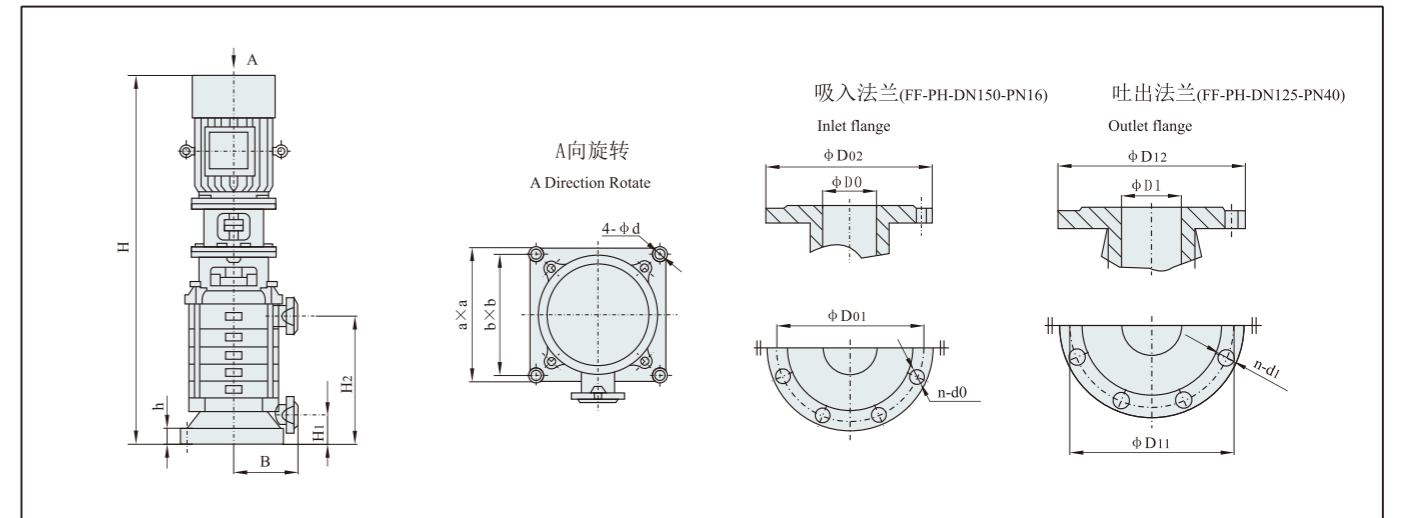
DL型泵性能曲线图 DL type pump performance curve chart

150DL200-20×2~150DL200-20×10



DL型泵性能参数及外形安装尺寸图表 Performance data and installation drawing table

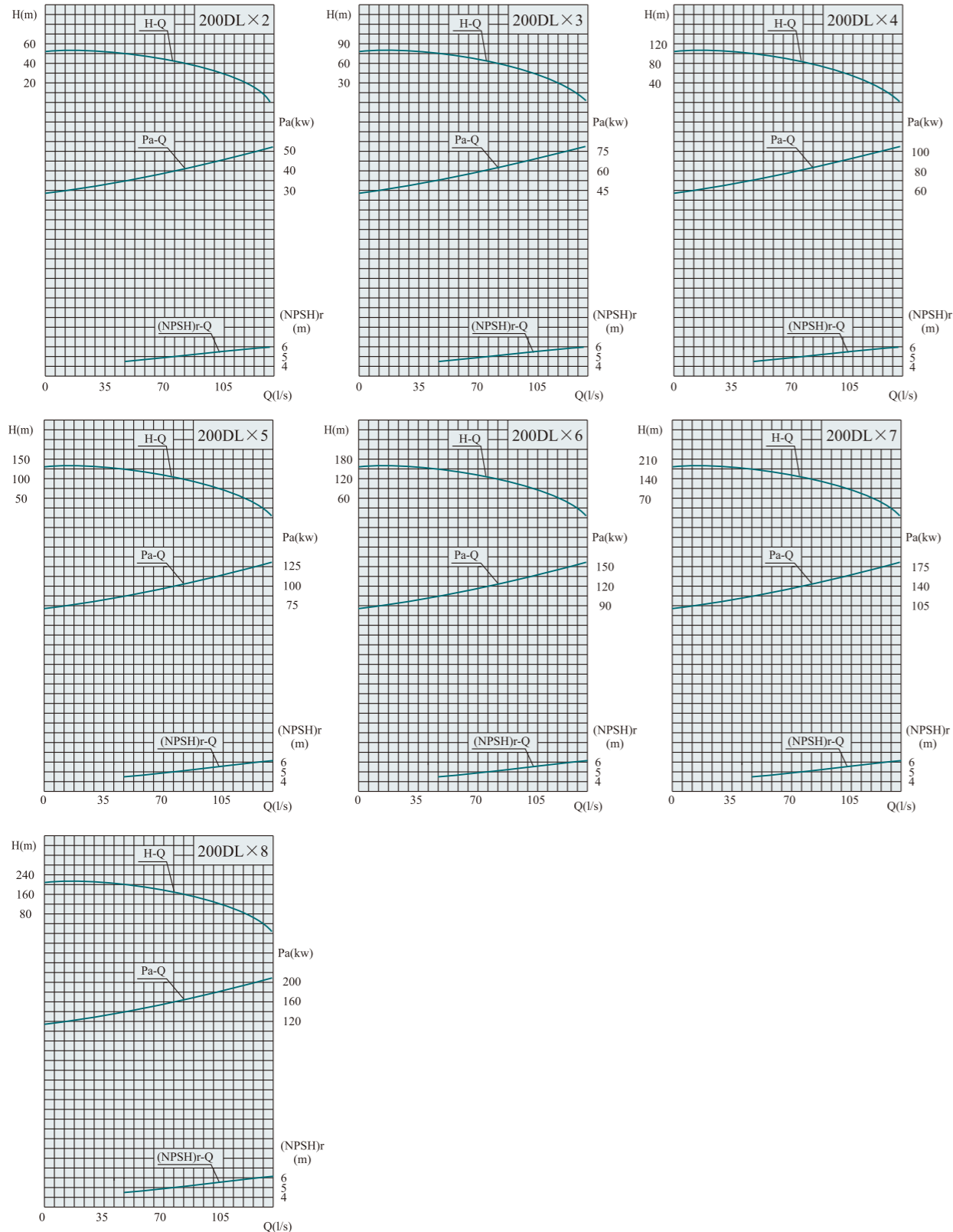
泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH) _r (m)	重量 Weight (kg)	泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH) _r (m)	重量 Weight (kg)		
		(m ³ /h)	(L/s)								(m ³ /h)	(L/s)							
150DL200-20	2	140	38.9	45	37	1480	3	825	150DL200-20	7	140	38.9	157.5	132	1480	3	1570		
		200	55.6	40							200	55.6	140						
		240	66.7	34							240	66.7	119						
	3	140	38.9	67.5	55	1480	3	970		8	140	38.9	180	132	1480	3	1720		
		200	55.6	60							200	55.6	160						
		240	66.7	51							240	66.7	136						
4	140	38.9	90	75	1480	3	1110	9	140	38.9	200	160	1480	3	1880				
	200	55.6	80						200	55.6	180								
	240	66.7	68						240	66.7	156								
5	140	38.9	112.5	90	1480	3	1255	10	140	38.9	220	160	1480	3	2050				
	200	55.6	100						200	55.6	200								
	240	66.7	85						240	66.7	176								
6	140	38.9	135	110	1480	3	1410												
	200	55.6	120																
	240	66.7	102																



泵型号 Pump model	级数 Series	外形尺寸 Figure dimension		安装尺寸 Installation dimension					吸入法兰 Inlet flange				吐出法兰 Outlet flange				
		H	a×a	H ₁	H ₂	h	B	b×b	4-φd	D ₀	D ₀₁	D ₀₂	n-d ₀	D ₁	D ₁₁	D ₁₂	n-d ₁
150DL200-20	2	1985	600×600	213	559	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26
	3	2330	600×600	213	689	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26
	4	2545	600×600	213	819	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26
	5	2725	600×600	213	949	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26
	6	3075	600×600	213	1079	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26
	7	3205	600×600	213	1209	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26
	8	3435	600×600	213	1339	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26
	9	3565	600×600	213	1469	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26
	10	3695	600×600	213	1599	73	380	550×550	φ24	150	240	285	8-φ22	125	220	270	8-φ26

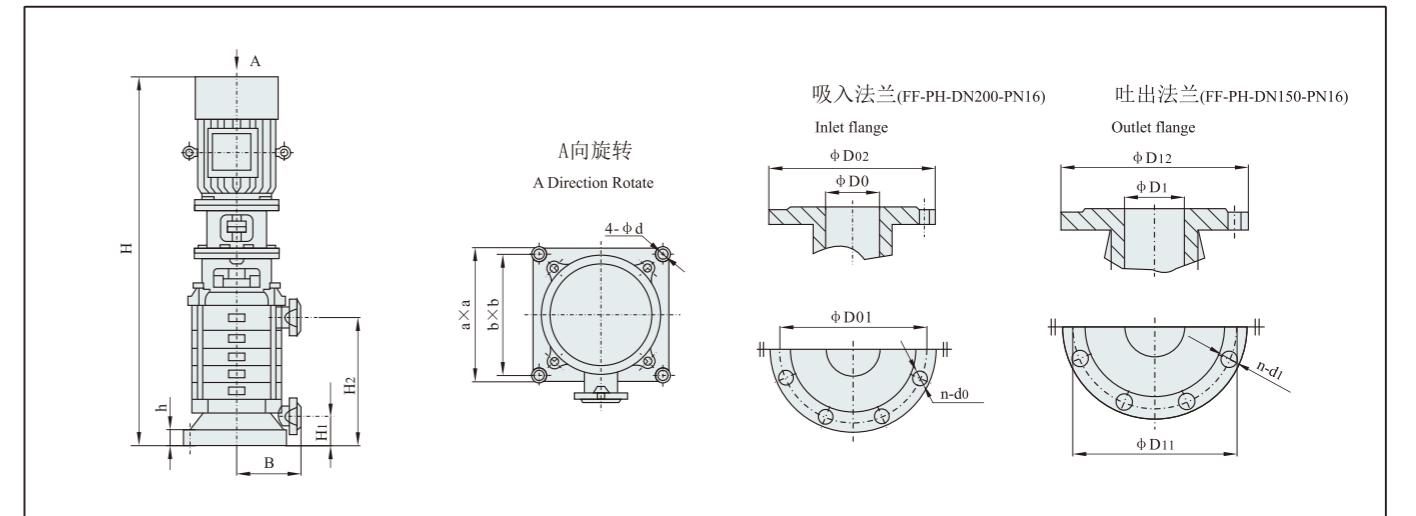
DL型泵性能曲线图 DL type pump performance curve chart

200DL300-20×2~200DL300-20×8



DL型泵性能参数及外形安装尺寸图表 Performance data and installation drawing table

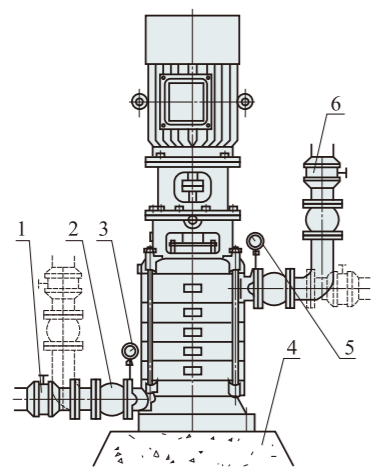
泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)	泵型号 Pump model	级数 Series	流量Capacity		扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	必需汽蚀量 (NPSH)r (m)	重量 Weight (kg)
		(m ³ /h)	(L/s)								(m ³ /h)	(L/s)					
200DL300-20	2	210	58.3	45	55	1480	4.2	1080	200DL300-20	6	210	58.3	127	160	1480	4.2	2400
		300	83.3	40	5	5	5										
		360	100	36	5.5	5.5											
	3	210	58.3	65.5	75	1480	4.2	1340		7	210	58.3	146	160	1480	4.2	2550
		300	83.3	60							5	5					
		360	100	54.5							5.5	5.5					
	4	210	58.3	86	110	1480	4.2	1900	8	210	58.3	166.5	200	1480	4.2	2700	
		300	83.3	80						5	5						
	5	210	58.3	106	132	1480	4.2	2150	300	83.3	160	150	1480	4.2	2700		
		360	100	95					5	5.5							



泵型号 Pump model	级数 Series	外形尺寸 Figure dimension		安装尺寸 Installation dimension					吸入法兰 Inlet flange				吐出法兰 Outlet flange				
		H	a×a	H ₁	H ₂	h	B	b×b	4-φd	D ₀	D ₀₁	D ₀₂	n-d ₀	D ₁	D ₁₁	D ₁₂	n-d ₁
200DL300-20	2	2115	550×550	182	624	50	350	480×480	φ27	200	295	340	12-φ23	150	240	285	8-φ23
	3	2385	550×550	182	808	50	350	480×480	φ27	200	295	340	12-φ23	150	240	285	8-φ23
	4	2840	550×550	182	992	50	350	480×480	φ27	200	295	340	12-φ23	150	240	285	8-φ23
	5	3125	550×550	182	1176	50	350	480×480	φ27	200	295	340	12-φ23	150	240	285	8-φ23
	6	3305	550×550	182	1360	50	350	480×480	φ27	200	295	340	12-φ23	150	240	285	8-φ23
	7	3490	550×550	182	1544	50	350	480×480	φ27	200	295	340	12-φ23	150	240	285	8-φ23
	8	3675	550×550	182	1728	50	350	480×480	φ27	200	295	340	12-φ23	150	240	285	8-φ23

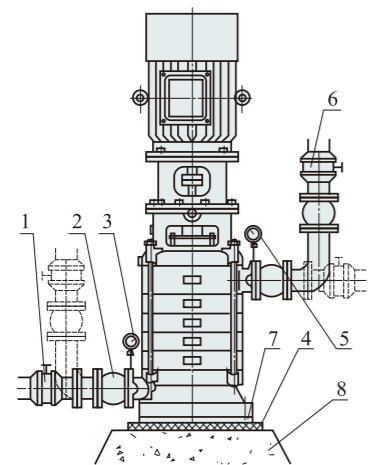
泵的几种安装方法 Several ways of installation

硬性联接（直接安装）Hard Link(Directly Mounted)



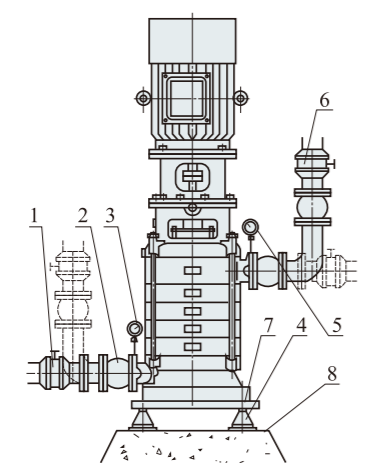
1	进口阀门 inlet valve
2	挠性接头 flexible union
3	进口压力表 inlet manometer
4	基础 basis
5	出口压力表 outlet manometer
6	出口阀门 outlet valve

柔性联接（联接板+隔振垫）Soft Link(Link Plate+Vibration Isolation Pad)



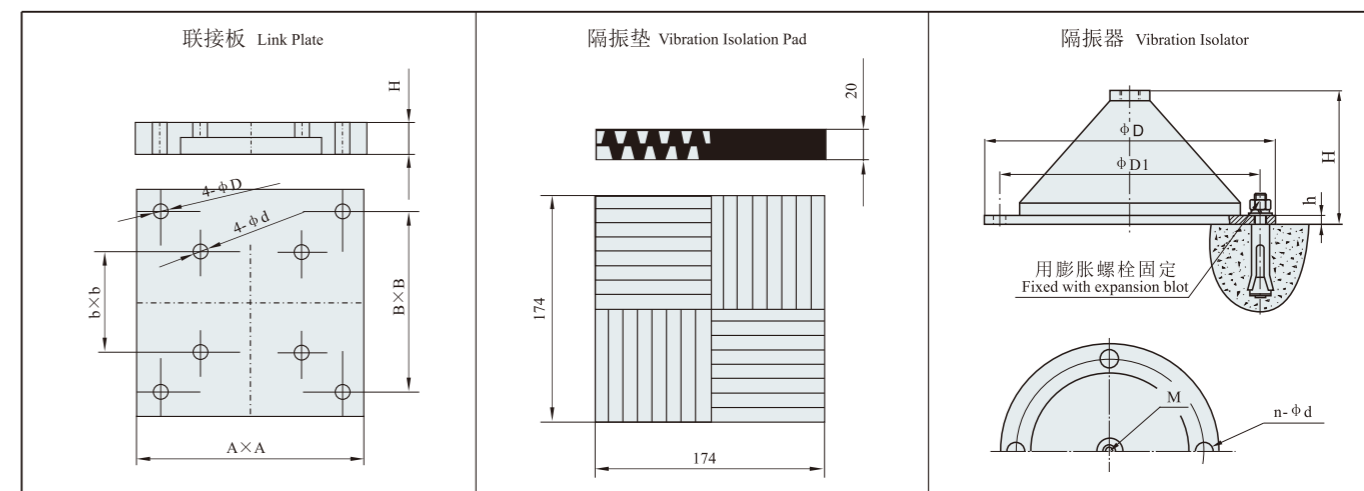
1	进口阀门 inlet valve
2	挠性接头 flexible union
3	进口压力表 inlet manometer
4	隔振垫 vibration isolation pad
5	出口压力表 outlet manometer
6	出口阀门 outlet valve
7	联接板 link plate
8	基础 basis

柔性联接（联接板+隔振器）Soft Link(Link Plate+Vibration Isolator)



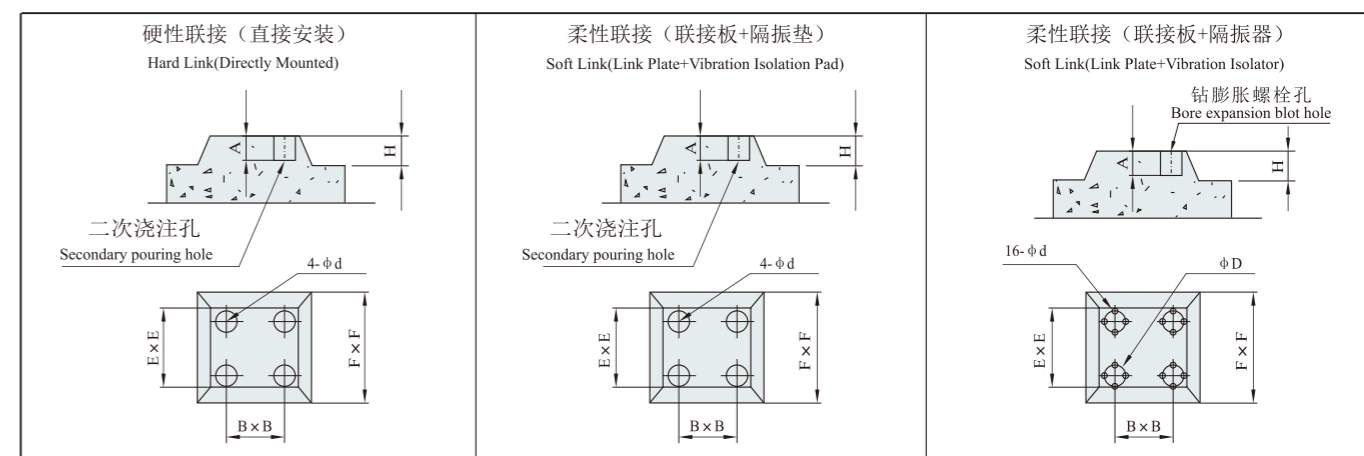
1	进口阀门 inlet valve
2	挠性接头 flexible union
3	进口压力表 inlet manometer
4	隔振器 vibration isolator
5	出口压力表 outlet manometer
6	出口阀门 outlet valve
7	联接板 link plate
8	基础 basis

泵附件图及其尺寸表 Fittings drawing and dimension table



泵型号 Model	联接板尺寸 Link plate dimension								隔振器尺寸 Vibration isolator dimension							
	型号 Model	A	B	b	M	φD	H	型号 Model	M	D	D ₁	H	h	n-φd	配膨胀螺栓规格 Expansion bolt specs	
40DL	1#	650	600	300	M16	φ15	70	JG2-2	12	150	130	65	9	4-φ8.5	M8×80	
50DL	2#	670	600	305	M16	φ15	70	JG2-2	12	150	130	65	9	4-φ8.5	M8×80	
65DL	3#	720	650	370	M20	φ20	70	JG3-2	16	200	170	87	9	4-φ12.5	M12×110	
80DL	4#	720	650	410	M20	φ20	70	JG3-2	16	200	170	87	9	4-φ12.5	M12×110	
100DL	5#	720	650	410	M20	φ25	70	JG4-2	20	290	260	133	9	4-φ12.5	M12×110	
150DL	6#	870	800	430/550	M24/M20	φ25	70	JG4-2	20	290	260	133	9	4-φ12.5	M12×110	
200DL	7#	800	740	480	M24	φ25	70	JG4-2	20	290	260	133	9	4-φ12.5	M12×110	

泵基础图及其联接尺寸 Basic drawing and link dimension



泵型号 Model	直接安装基础尺寸 Basic dimension for direct mounting							配联接板基础尺寸 Basic dimension with link plate							配联接板、隔振器基础尺寸 Basic dimension with link plate and vibration isolator						
	H	A	B	E	F	d	地脚螺栓规格 Foundation bolt specs	H	A	B	E	F	d	地脚螺栓规格 Foundation bolt specs	H	A	B	E	F	D	d
40DL	250	300	300	600	650	80	M16×300	250	200	600	950	1050	80	M12×200	250	50	600	950	1050	130	12.5
50DL	250	300	305	600	650	80	M16×300	250	200	600	950	1050	80	M12×200	250	50	600	950	1050	130	12.5
65DL	250	500	370	650	700	80	M24×500	250	400	650	1000	1100	80	M16×300	250	75	650	1000	1100	170	19
80DL	250	500	410	700	750	100	M20×400	250	400	650	1000	1100	100	M16×300	250	75	650	1000	1100	170	19
100DL	250	400	410	700	750	100	M20×400	250	300	650	1000	1100	100	M20×400	250	75	650	1000	1100	260	19
150DL	250	500	550	750	800	100	M24×500/M20×400	250	400	800	1000	1100	100	M20×400	250	75	800	1100	1200	260	19
200DL	250	500	480	750	800	100	M24×500	250	400	800	1000	1100	100	M20×400	250	75	800	1100	1200	260	19