



LQDLWF/LQDWJ卧式不锈钢多级离心泵
LQDLFD不锈钢轻型立式静音多级离心泵
LQDL不锈钢轻型立式多级离心泵
LQDLF不锈钢轻型立式多级离心泵

LQDWF/LQDWJ(T)Lightweight Stainless Steel Horizontal Multistage Centrifugal Pump
LQDLFD Stainless Steel Light Vertical Mute Multistage Centrifugal Pump
LQDL Stainless Steel Light Vertical Multistage Centrifugal Pump
LQDLF Stainless Steel Light Vertical Multistage Centrifugal Pump

总体数据 General data

公司简介 Company profile	1
产品简介 Product introduction	2
性能范围 Performacnce ranges	4
产品范围 Product ranges	5
应用 Applications	5
运行条件 Operating conditions	5
泵 Pumps	5
电机 Motors	7
技术参数 Technical parameters	7
型号含义 Model meaning	9
截面图 (Sectional views) LQDL , LQDLF1 , 2 , 3 , 4 , 5	11
截面图 (Sectional views) LQDL , LQDLF8 , 10 , 12 , 15 , 20	12
截面图 (Sectional views) LQDL , LQDLF32 , 45 , 64 , 90 , 120 , 150 , 200	13
截面图材料 (Sectional views and materials) LQDWF2 , 4 , 5 , 8 , 10 , 12 , 15 , 20	14
最大入口压力 Maximum inlet pressure	15
最大工作压力 Maximum operating pressure	16
最小入口压力 Minimum inlet pressure	17

技术数据 (Technical data) LQDL , LQDLF

LQDL , LQDLF1	20
LQDL , LQDLF2	22
LQDL , LQDLF3	24
LQDL , LQDLF4	26
LQDL , LQDLF5	28
LQDL , LQDLF8	30
LQDL , LQDLF10	32
LQDL , LQDLF12	34
LQDL , LQDLF15	36
LQDL , LQDLF16	38
LQDL , LQDLF20	40
LQDL , LQDLF32	42
LQDL , LQDLF45	44
LQDL , LQDLF64	46
LQDL , LQDLF90	48
LQDL , LQDLF120	50
LQDL , LQDLF150	52
LQDL , LQDLF200	54

技术数据 (Technical data) LQDWF , LQDWJ (T)

LQDWF2	55
LQDWF4	56
LQDWF8	57
LQDWF12	58
LQDWF15	59
LQDWF20	60
LQDWJ (T) 2	61
LQDWJ (T) 4	62
LQDWJ (T) 8	63
LQDWJ (T) 12	64
LQDWJ (T) 15	65
LQDWJ (T) 20	67

公司简介

上海莲盛泵业制造有限公司上海莲盛水泵厂创建于六十年代，是国内著名的大型给排水设备生产制造企业。专业研制开发、生产制造、测试鉴定、销售服务等先进的“莲盛”牌水泵（消防泵）、电气（变频）自动化控制成套供水设备，产品广泛适用于城市、矿山、化工、锅炉、空调、消防等行业给排水以及适用宾馆、酒店、大厦、旅游、娱乐场所、军事等工程领域的应用。不断前进中的莲盛泵业正与同行与时俱进，销售网络遍及全国各地。

竞争中的莲盛泵业，技术力量雄厚、拥有一支高素质的管理层和员工队伍及配套齐全的现代化生产、管理控制设备，并拥有高科技的集信息、科研、设计、试制、鉴定于一体化的水泵研究所，可随时根据市场（顾客）动态，不断研发新产品，满足市场（顾客）的不断变化需求。

发展中的莲盛泵业是最早得到ISO9001:2008国内、国际质量体系认证，并以中国泵业协会、上海市商标协会、上海市先进企业、中国名牌产品为企业形象维护准则，制造出了一个又一个的优秀产品成果。产品在上海市第三、第四、第五、第六届技术交流会上获“节能产品奖”，全国星火杯成果适用技术展览会上获“银奖”、上海市科学成果“三等奖”，全国创造发明竞赛“优秀产品奖”，上海市第五届科学技术博览会上莲盛牌系列产品获“金奖”，并在2003年成为首届国家级“重合同、守信用”企业，获得了中国政府的LC（信用证）。“莲盛”牌商标连续两届被上海市认定为“上海市著名商标”的称号。

奋进中的莲盛泵业以“实实在在的产品、实实在在的质量、实实在在的服务、实实在在的诚信”为宗旨、不断推出“莲盛”牌卓越产品面向市场，共创未来共同发展的市场和辉煌。

Company Profile

Shanghai Liansheng Pump Making Co., Ltd (Shanghai Liansheng pump Factory), established in the sixties, is well-known large-scale domestic water supply and drainage equipment manufacturing enterprise. It specializes in research and development, manufacturing, testing, identification and sales services for complete advances LianSheng water pumps (fire pumps) and electrical (frequency-conversion) automatic water supply devices. Its products are widely used in cities, mines, chemical industry, boilers, air-conditioning and other fields for water supply and drainage as well as in guesthouses, buildings, tourism, entertainment places, and other engineering fields. The ever-ongoing company is advancing with the times together with its peers. Its sales network covers the whole country.

The company has a strong technical force in competition, high quality management and ordinary employees, complete modern production, management and control equipment and a high-tech water pump research institute integrating information, research, design, trial production and identification, which enables it to keep developing new products according to the market (customer) trends to meet their ever-changing market (customer) needs.

As one of the enterprises passing the domestic and international ISO9001:2008 quality system certifications, this growing company maintains its image in line with the requirements of the China General Machinery Industry Association pump Association, Shanghai Trademark Association, Advanced Enterprise of Shanghai and China Top-Brand Products, and has produced many excellent products. Some of its products were granted the "Energy-saving Product Award" of the third, fourth, fifth and sixth technical exchanges of Shanghai, the Silver Award of the National Spark Cup Achievement Application Technology Exhibition, the third prize of the Scientific Achievement Award of Shanghai, and the "Excellent Product Award" on the National Invention Contest. Several products from LianSheng Brand were granted the golden prize on the Fifth Science and Technology Exhibition of Shanghai. In 2003, the company was selected as a First National "Trustworthy" Enterprise and obtained the LC (letter of credit) of the Chinese government. The Liansheng trademark was, for two consecutive times, granted the title of "Famous Trademark of Shanghai" by Shanghai.

Adhering to the tenet of "Concrete Products, Quality, Services and Good Faith", the enterprising company always launches excellent products of the Liansheng brand to the market, creating common development based market and splendor in the future.



产品简介



LQDL



LQDLF



LQDLFD

LQDL,LQDLF,LQDLFD, 泵为不锈钢轻型立式多级离心泵, 结构不同水力性能一样。

- 其结构为管道式, 可直接安装在水平管路系统中, 结构紧凑, 节约空间。
- LQDL,LQDLF具有不同规格和不同级数以满足不同的流量和压力。
- LQDL,LQDLF泵用途广泛, 从饮用水到化工介质的输送, 还可应用多样系统中。
- LQDL,LQDLF泵主要由两个部件组成: 电机, 泵头, 根据不同输送介质, 可以选择不同材质的泵。
- LQDL适用于清洁, 无腐蚀性液体, 如: 饮用水, 油等
- LQDLF适用于清洁, 轻度腐蚀性液体, 如: 盐水, 酸等
- LQDLFD为不锈钢轻型立式静音多级离心泵, 由两个部件组成: 低噪音电机, 泵头。其中水冷低噪音电机是我们公司应新世纪环保对噪音的要求经过长期研制, 开发的新型产品, 本产品特点: 电机不用风扇冷却, 采用水冷。冷却效果好, 电机过载能力强, 噪音低, 用于人居环境, 不会产生噪音干扰, 是新一代环保节能产品。



LQDWJ(T)



LQDWF

LQDWF, LQDWJ (T) 泵为不锈钢轻型卧式多级离心泵。

- 其电机轴为加长轴, 结构紧凑, 泵尺寸很小。
- 液流从轴向入口进, 径向出口流出, 运行稳定。

LQDWF, LQDWJ (T) 泵主要用:

- 在空调系统;
- 冷却系统;
- 冲洗和清洗系统;
- 水处理系统;
- 水产养殖;

Product introduction



LQDL



LQDLF



LQDLFD

The LQDL, LQDLF, LQDLFD, pumps are stainless steel light vertical multi-stage centrifugal pumps with different structures but the same hydraulic performance.

- With ducted structures, they may be directly installed in horizontal pipeline systems to get compact structures and save space.
- The LQDL pumps and the LQDLF pumps have different specifications and stages to comply with different flow rates and pressures.
- The LQDL pumps and the LQDLF pumps have a wide variety of applications. They may be used for conveying drinking water and chemical mediums, or in various systems.
- Each LQDL pump or LQDLF pump consists essentially of a motor and a pump head. Pumps of different materials may be chosen according to different mediums to be conveyed.
- The LQDL pumps are applicable to clean and noncorrosive liquids such as drinking water and oil.
- The LQDLF pumps are applicable to clean and slightly corrosive liquids such as salt water and acids.
- The LQDLFD pumps are stainless steel light vertical low-noise multi-stage centrifugal pumps. Each of them comprises a low-noise motor, and a pump head. The water-cooled low-noise motor is a new product developed by us after long-time research to meet the environmental protection requirement of the new century for noise. It is a new generation environment-friendly and energy-saving product characterized in that the motor is not cooled by a fan; the water-cooled mode is used and the cooling effect is great; the motor has great overload capacity but low noise and generates no noise interference in human settlements.



LQDWJ(T)



LQDWF

LQDWF pumps and LQDWJ (T) pumps are stainless steel light horizontal multi-stage centrifugal pumps.

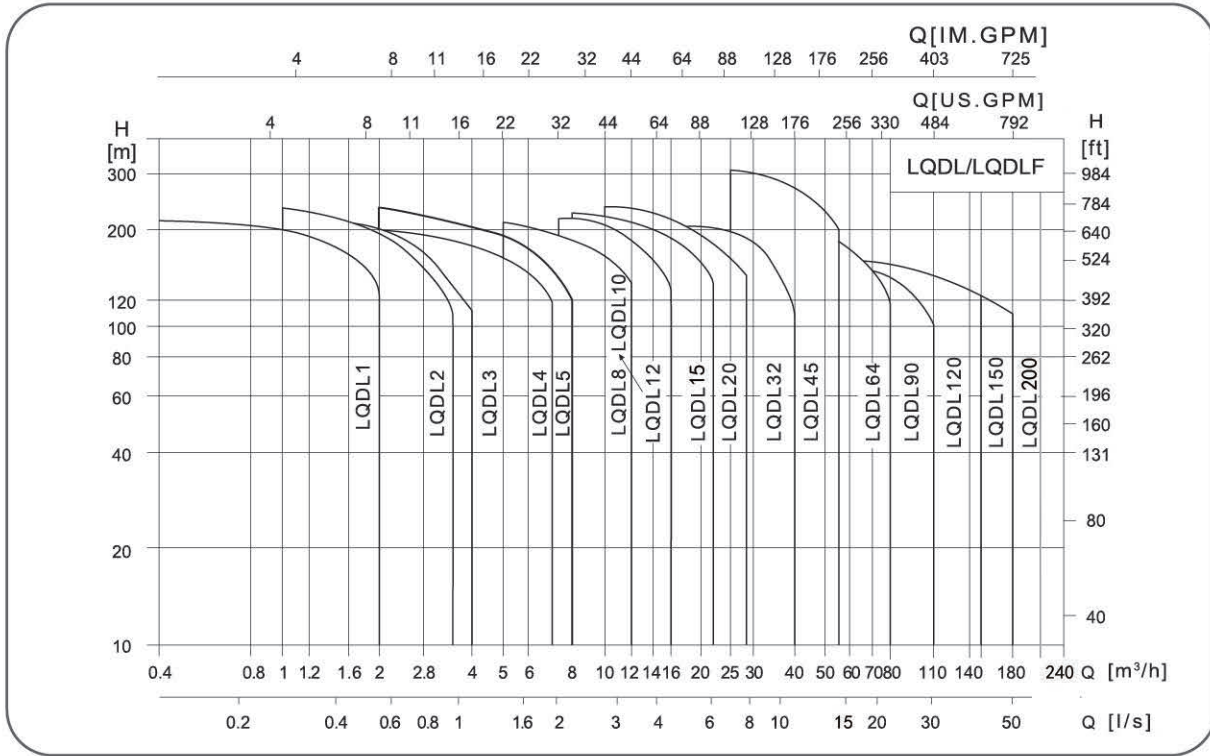
- The motor shafts are extended ones with a compact structure, so the pumps are very small.
- Liquids flow into the pumps via the axial inlets and out the pumps via the radial outlets, ensuring stable running of the pumps.

The LQDWF pumps and the LQDWJ (T) pumps are mainly used in:

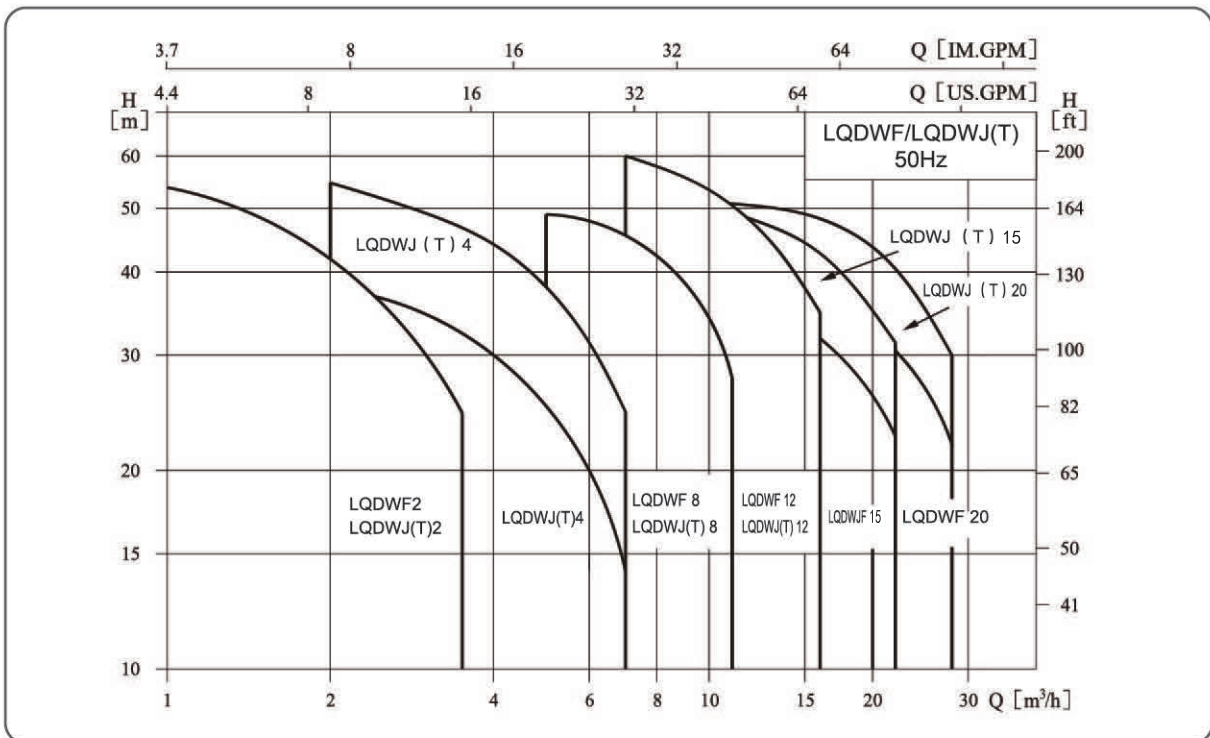
- Air-conditioning systems;
- Cooling systems;
- Flushing and cleaning systems;
- Water treatment systems;
- Aquaculture



性能范围 (Performance ranges) - LQDL, LQDLF, LQDLFD



性能范围 (Performance ranges) - LQDWF, LQDWJ(T)



产品范围

说明	LQDL1	LQDL2	LQDL3	LQDL4	LQDL5	LQDL8	LQDL10	LQDL12	LQDL15	LQDL20	LQDL32	LQDL45	LQDL64	LQDL90	LQDL120	LQDL150	LQDL200
额定流量 [m³/h]	1	2	3	4	5	8	10	12	15	20	32	45	64	90	120	150	200
额定流量 [l/s]	0.28	0.56	0.83	1.1	1.39	2.2	2.8	3.3	4.2	5.6	8.9	11.7	18	24	33	42	55.6
流量范围 [m³/h]	0.4-2	1-3.5	1.2-4	1.5-8	2.5-8.5	5-12	5-13	7-16	9-24	10-28	16-40	25-55	30-80	50-110	60-150	80-180	100-240
流量范围 [l/s]	0.11-0.56	0.28-0.97	0.33-1.1	0.42-2.2	0.69-2.36	1.4-3.3	1.4-3.61	1.9-4.4	2.5-6.7	2.8-7.8	4.4-11.1	6.9-15.3	8.3-22.2	13.8-30.5	17-42	22-50	27.8-66.7
最大压力 [bar]	21	23	22	21	24	21	22	22	23	23	26	30	22	17	16	16	16
电机功率 [kW]	0.37-2.2	0.37-3	0.37-3	0.37-4	0.37-5.5	0.75-7.5	0.37-7.5	1.5-11	1.1-15	1.1-18.5	1.5-30	3.0-45	4.0-45	5.5-45	11-75	11-75	18.5-110
温度范围 [°C]	-15~+120																
最高效率 [%]	44	46	54	59	66	64	70	63	72	69	76	78	80	81	75	75	79
类型																	
LQDL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
LQDLF	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
LQDL 管路联接																	
DIN法兰	DN25	DN25	DN25	DN32	DN32	DN40	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
椭圆法兰	G1	G1	G1	G1¼	Rp11/4	G1½	Rp11/2										
LQDLF 管路连接																	
DIN法兰	DN25	DN25	DN25	DN32	DN32	DN40	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
卡套接头	•	•	•	•	•	•	•	•	•	•							
管螺纹	•	•	•	•	•	•	•	•	•	•							

应用

LQDL/QDLF是一种多功能产品，可以输送从自来水到工业液体的各种不同介质，适用于不同温度、流量和压力范围，LQDL适用于无腐蚀液体，LQDLF适用于轻度腐蚀性液体。

- 供水：水厂过滤与输送，水厂分区送水、主管增压、高层建筑增压。
- 工业增压：流程水系统、清洗系统、高压冲洗系统、消防系统。
- 工业液体输送：冷却和空调系统、锅炉给水和冷凝系统、机床配套、酸和碱。
- 水处理：超滤系统、反渗透系统、蒸馏系统、分离器、游泳池。
- 灌溉：农田灌溉、喷灌、滴灌。

运行条件

- 稀薄、干净、非易燃易爆并不含固体颗粒或纤维的液体。
- 液体温度：常温型-15°C至+70°C
热水型+70°C至+120°C
- 环境温度：最高+40°C
- 海拔：最高1000m

泵

LQDL/LQDLF型为不锈钢轻型立式多级离心泵，具有高效率、低噪音、结构紧凑，外形美观体积小、重量轻、使用维修方便、密封性能可靠、对输送的液体不产生二次污染，并且可耐轻度腐蚀等特点。本泵还可以根据需要配置智能保护器，对泵干转，缺相，过载等进行有效保护。



Product range

Description	LQDL1	LQDL2	LQDL3	LQDL4	LQDL5	LQDL8	LQDL10	LQDL12	LQDL15	LQDL20	LQDL32	LQDL45	LQDL64	LQDL90	LQDL120	LQDL150	LQDL200
Rated flow rate [m³/h]	1	2	3	4	5	8	10	12	15	20	32	45	64	90	120	150	200
Rated flow rate [l/s]	0.28	0.56	0.83	1.1	1.39	2.2	2.8	3.3	4.2	5.6	8.9	11.7	18	24	33	42	55.6
Flow rate range [m³/h]	0.4-2	1-3.5	1.2-4	1.5-8	2.5-8.5	5-12	5-13	7-16	9-24	10-28	16-40	25-55	30-80	50-110	60-150	80-180	100-240
Flow rate range [l/s]	0.11-0.56	0.28-0.97	0.33-1.1	0.42-2.2	0.69-2.36	1.4-3.3	1.4-3.61	1.9-4.4	2.5-6.7	2.8-7.8	4.4-11.1	6.9-15.3	8.3-22.2	13.8-30.5	17-42	22-50	27.8-66.7
Maximum pressure [bar]	21	23	22	21	24	21	22	22	23	23	26	30	22	17	16	16	16
Motor power [kW]	0.37-2.2	0.37-3	0.37-3	0.37-4	0.37-5.5	0.75-7.5	0.37-7.5	1.5-11	1.1-15	1.1-18.5	1.5-30	3.0-45	4.0-45	5.5-45	11-75	11-75	18.5-110
Temperature range [°C]	-15~+120																
Peak efficiency [%]	44	46	54	59	66	64	70	63	72	69	76	78	80	81	75	75	79
Type																	
LQDL pipe connection	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
LQDLF pipe connection	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
LQDLF pipe connection																	
DIN flange	DN25	DN25	DN25	DN32	DN32	DN40	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
Oval flange	G1	G1	G1	G1¼	Rp1¼	G1½	Rp1½/2										
LQDLF pipe connection																	
DIN flange	DN25	DN25	DN25	DN32	DN32	DN40	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
Ferrule fitting	•	•	•	•	•	•	•	•	•	•							
Pipe thread	•	•	•	•	•	•	•	•	•	•							

Applications

The LQDL pumps and the LQDLF pumps are multi-functional products. They may be used for conveying diversified mediums such as running water and industrial liquids. They are applicable to different temperature ranges, flow ranges, and pressure ranges. The LQDL pumps are applicable to noncorrosive liquids, and the LQDLF pumps to slightly corrosive liquids.

- Water supply: filtering, conveying, zoning based water supply, and main pipe pressurization of water plants, and pressurization of high-rise buildings
- Industrial pressurization: process water systems, cleaning systems, high-pressure flushing systems, and fire fighting systems.
- Conveying of industrial liquids: cooling and air-conditioning systems, boiler water supply and condensation systems, supporting facilities of machines, acids, and alkalis
- Water treatment: ultrafiltration systems, reverse osmosis systems, distillation systems, separators, and swimming pools
- Irrigation: farm irrigation, sprinkling irrigation, and drip irrigation

Operating conditions

- Thin, clean, non-inflammable, non-explosive liquids containing neither solid particles nor fibers
- Liquid temperature: Room temperature type: -15°C to +70°C
Hot water type: +70°C to +120°C
- Ambient temperature: +40°C at most
- Altitude: 1000m (this altitude would be the best)

Pumps

The LQDL pumps and the LQDLF pumps are stainless steel light vertical multi-stage centrifugal pumps characterized by high efficiency, low noise, compact structure, beautiful appearance, small volume, light weight, convenient operation and maintenance, reliable sealing performance, no secondary pollution for the conveyed liquids, slight corrosion resistance, etc. They may be provided with intelligent protectors as required to provide effective protection for their running without water, open-phase phenomenon, and overload.

电机

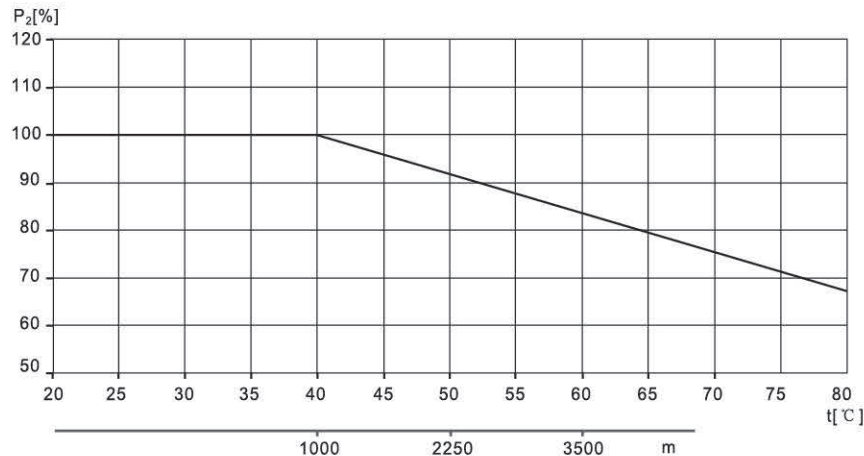
泵上可安装标准风冷电机，标准水冷低噪音电机。

- 1、电机为全封闭，风冷二极标准电机（0.37KW ~45KW）
 - 安装形式：11KW以下（包括11KW）采用B14；15KW ~18.5KW采用B5；22KW以上采用V1
 - 防护等级:IP55
 - 绝缘等级：F
 - 标准电压：50Hz:
 - 1x220-230/240V(0.37KW ~2.2KW)
 - 3x200-220/346-380V
 - 3x220-240/380-415V
 - 3x380-415V
- 2、电机为全封闭，水冷式低噪音二极标准电机（5.5KW ~45KW）
 - 安装形式：11KW以下（包括11KW）采用B14；15KW ~18.5KW采用B5；22KW以上采用V1
 - 防护等级:IP55
 - 绝缘等级：F
 - 标准电压：50Hz:3x380-415V
- 3、对特殊应用或运行条件可提供的电机配置方案
 - 防爆电机
 - 低噪音电机
 - 电机带热保护
- 4、出口不锈钢多级水泵，其电机按用户要求配置

技术参数

1、工作环境

泵的最高环境温度+40℃。超过+40℃以上的环境，或者工作电机在海拔1000米以上，电机输出功率会降低，如下图所示。这种情况须选用更大输出功率的电机。



例如：上图显示当泵安装在海拔3500米以上时，电机功率 P_2 降低到84%。在环境温度达到70℃时，电机功率 P_2 降低到76%。

2、粘度

输出液体的密度或运动粘度大于水会导致泵的压力，水力性能显著改变，功率消耗上升，在这种情况下，泵必须配用更大的功率电机。



Motors

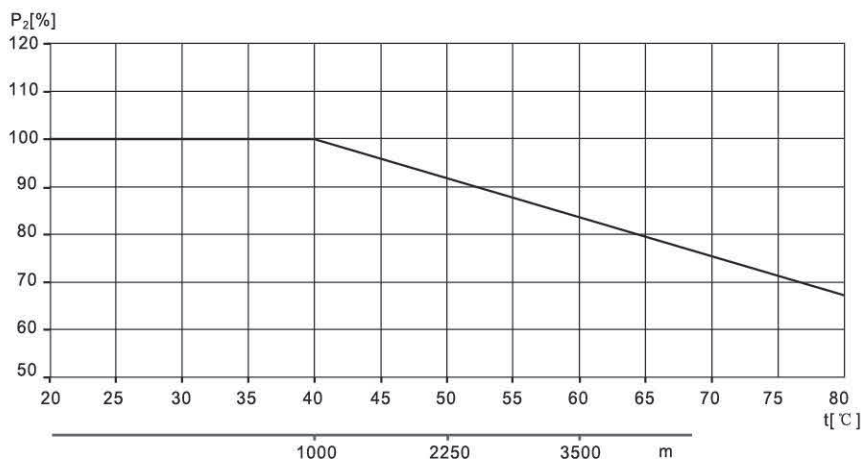
The pumps may be provided with standard air-cooled motors, or standard water-cooled low-noise motors.

- 1、 If the motors are totally sealed, air-cooled, two-stage standard motors (0.37KW to 45KW)
 - Installation method: B14 for power smaller than 11KW (including), B5 for power between 15KW to 18.5KW, or V1 for power larger than 22KW
 - Protection grade: IP55
 - Insulation class: F
 - Standard voltage: 50Hz
 - 1x220-230/240V (0.37KW-2.2KW)
 - 3x200-220/346-380V
 - 3x220-240/380-415V
 - 3x380-415V
- 2、 If the motors are totally sealed, water-cooled, low-noise, two-stage standard motors (5.5KW to 45KW)
 - Installation method: B14 for power smaller than 11KW (including), B5 for power between 15KW to 18.5KW, or V1 for power larger than 22KW
 - Protection grade: IP55
 - Insulation class: F
 - Standard voltage: 50Hz: 3x380-415V
- 3、 The motor configuration proposal available for special applications or operating conditions
 - Explosion-proof motors
 - Low-noise motors
 - Motors with thermal protection
- 4、 Motors of the exported stainless steel multi-stage pumps may be configured as required by customers.

Technical parameters

1、 Operating environment

The highest operating temperature of the pumps is +40°C. If the pumps are used at a temperature above +40°C, or their motors are installed at an altitude higher than 1000m, the output power of the motors will drop. See the figure below. In this circumstance, motors with larger output power are needed.

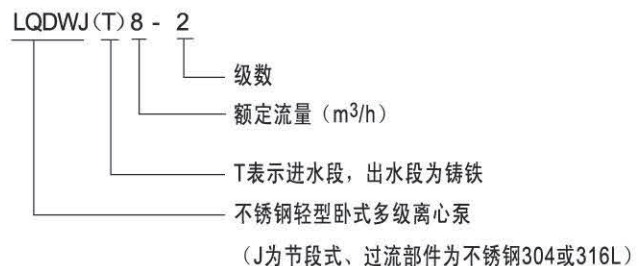
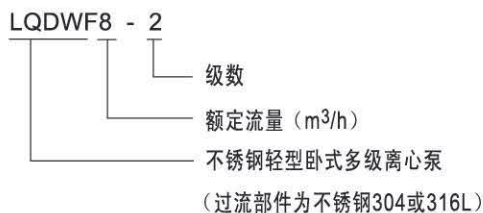


For example, according to the figure above, the motor power P₂ will drop to 84 percent when the pump is installed at an altitude higher than 3500m, or to 76 percent when the ambient temperature is 70°C.

2、 Viscosity

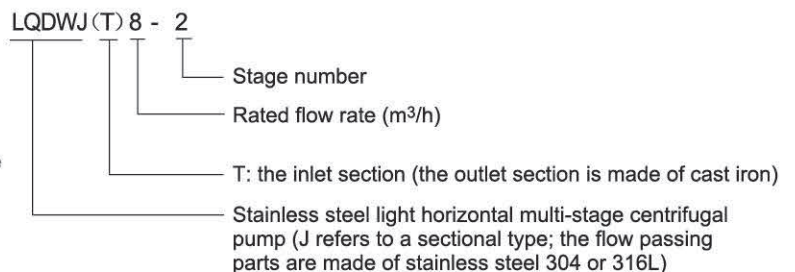
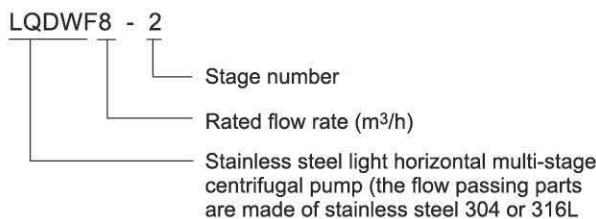
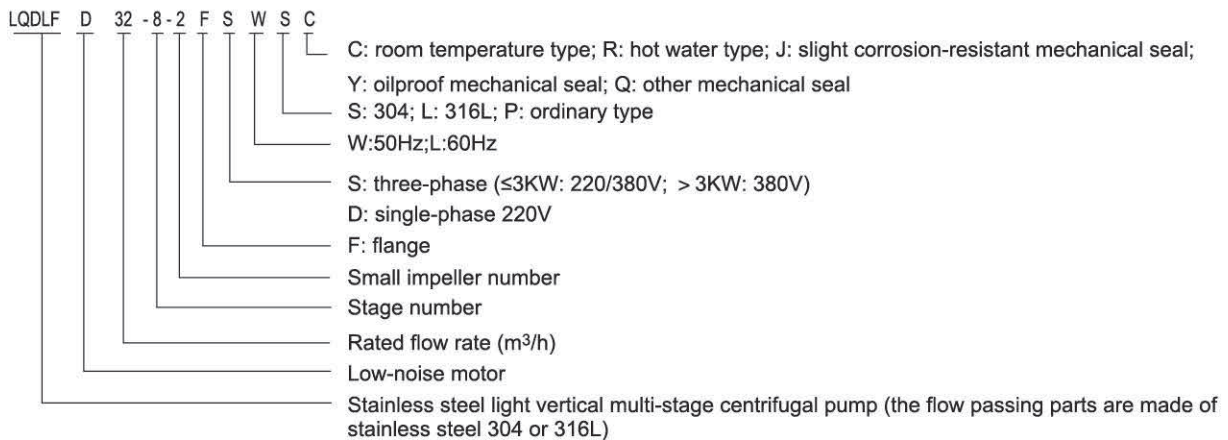
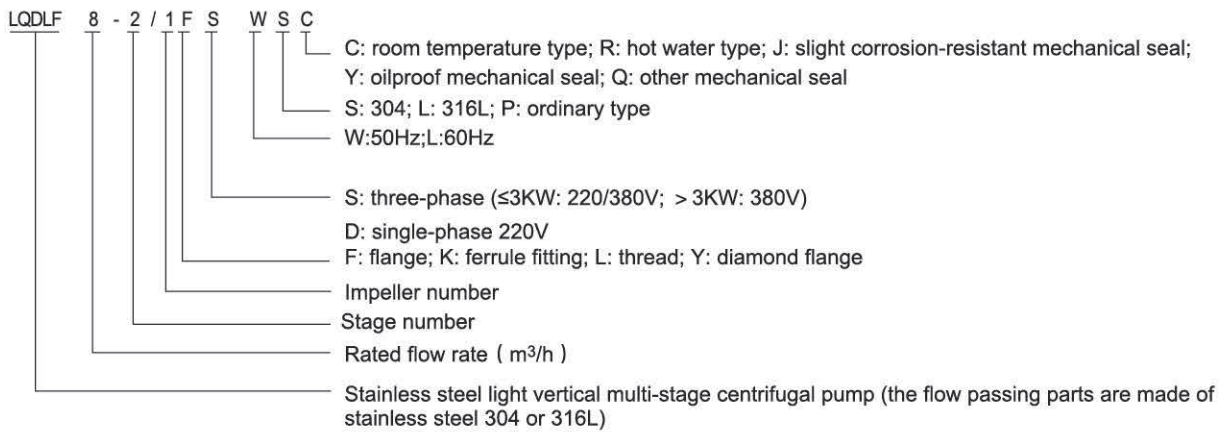
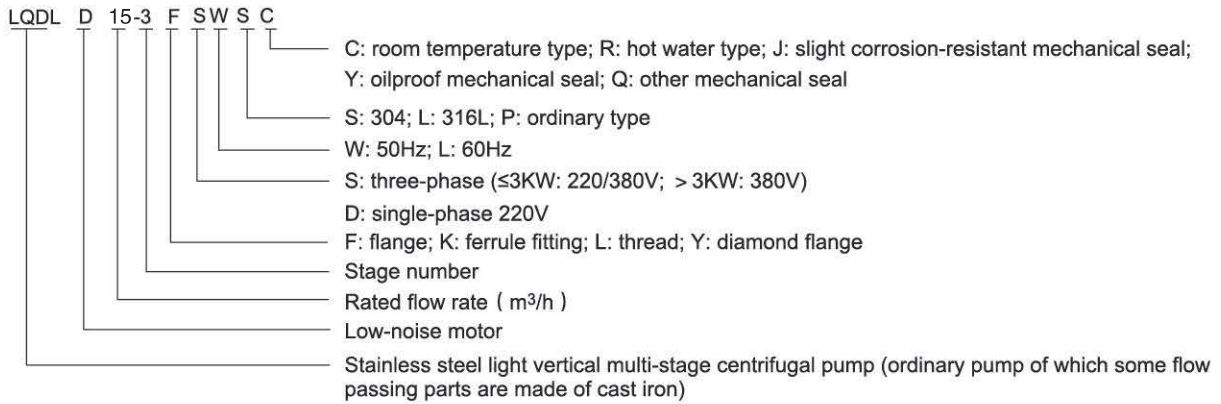
If the densities or kinematic viscosities of the output by the liquids are larger than that of water, pressure and hydraulic performance of the pumps will change greatly and the power consumptions of them will increase. In this circumstance, motors with larger power are needed.

型号含义

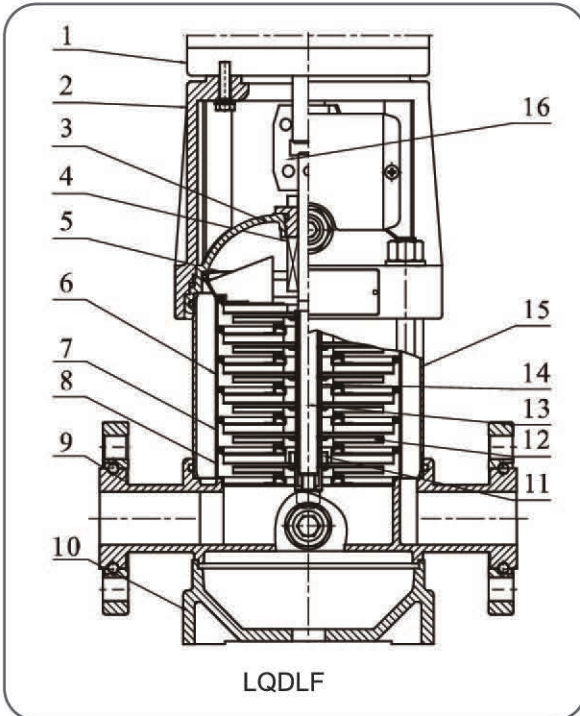
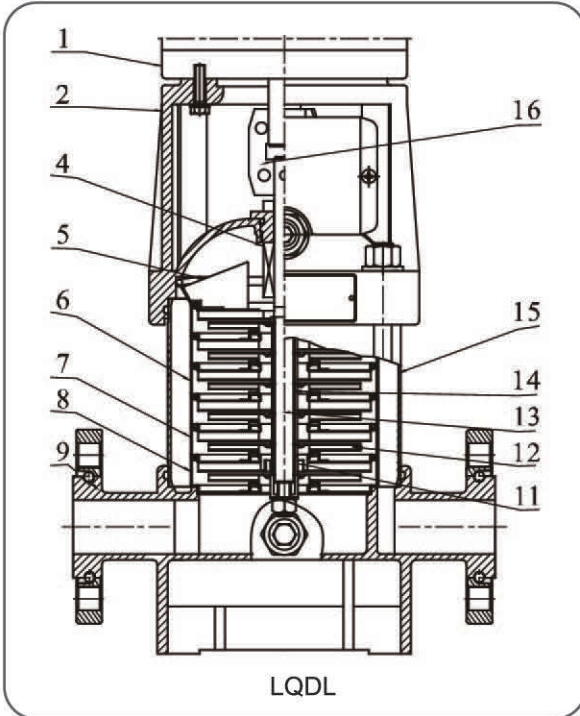




Model meaning



截面图(Sectional views)
LQDL,LQDLF1,2,3,4,5

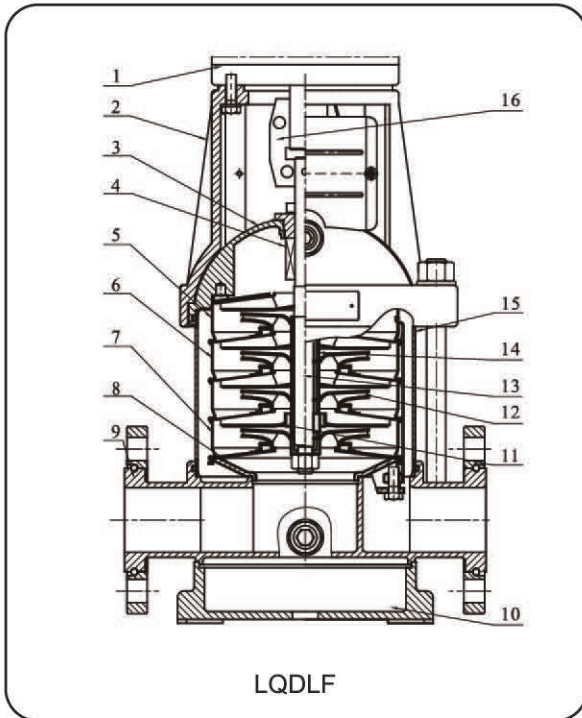
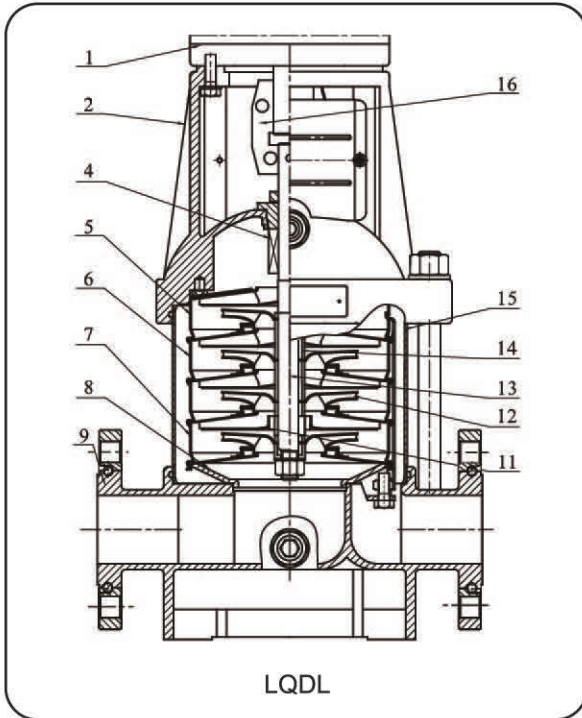


材料(Materials)
LQDL,LQDLF1,2,3,4,5

序号 No.	名称 Name	材料 Material	AISI/ASTM
1	电机 Motor		
2	连接座 Connecting base	铸铁 Cast iron	ASTM25B
3	连接座衬盖 Connecting base lining cover	不锈钢 Stainless steel	AISI304
4	集装式机械密封 Cartridge mechanical seal		
5	出口导流器 Outlet fluid director	不锈钢 Stainless steel	AISI304
6	导流器 Fluid director	不锈钢 Stainless steel	AISI304
7	轴承导流器 Bearing fluid director	不锈钢 Stainless steel	AISI304
8	进口导流器 Inlet fluid director	不锈钢 Stainless steel	AISI304
9	进出水段 Inlet/outlet section	不锈钢 Stainless steel	AISI304
10	底座 Base	铸铁 Cast iron	ASTM25B
11	轴承 Bearing	碳化钨 Tungsten carbide	
12	叶轮 Impeller	不锈钢 Stainless steel	AISI304
13	轴 Shaft	不锈钢 Stainless steel	AISI304 AISI316
14	夹套 Jacket	不锈钢 Stainless steel	AISI304
15	耐压筒 Pressure tank	不锈钢 Stainless steel	AISI304
16	联轴器 Coupling	碳钢 Carbon steel	
LQDLF			
LQDL			
9	进出水段 Inlet/outlet section	铸铁 Cast iron	ASTM25B



截面图(Sectional views) LQDL, LQDLF8, 10, 12, 15, 20

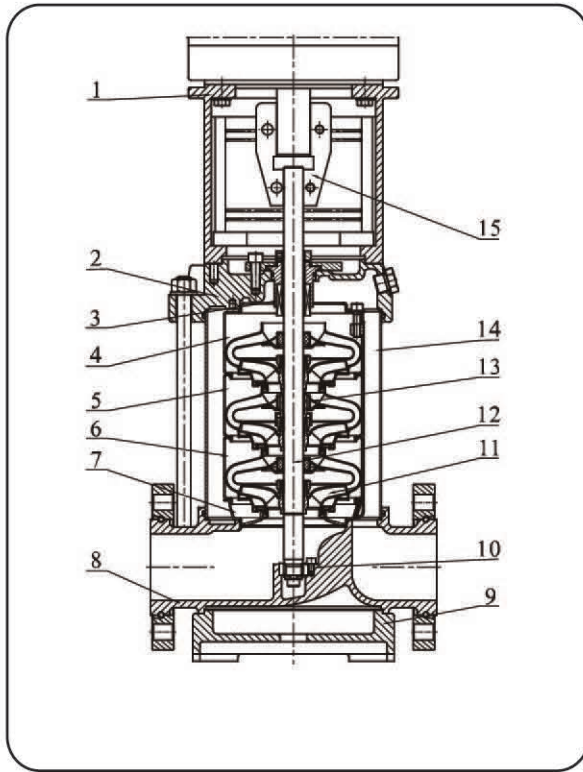


材料(Materials) LQDL, LQDLF8, 10, 12, 15, 20

序号 No.	名称 Name	材料 Material	AISI/ASTM
1	电机 Motor		
2	连接座 Connecting base	铸铁 Cast iron	ASTM25B
4	集装箱式机械密封 Cartridge mechanical seal		
5	出口导流器 Outlet fluid director	不锈钢 Stainless steel	AISI304
6	导流器 Fluid director	不锈钢 Stainless steel	AISI304
7	轴承导流器 Bearing fluid director	不锈钢 Stainless steel	AISI304
8	进口导流器 Inlet fluid director	不锈钢 Stainless steel	AISI304
11	轴承 Bearing	碳化钨 Tungsten carbide	
12	叶轮 Impeller	不锈钢 Stainless steel	AISI304
13	轴 Shaft	不锈钢 Stainless steel	AISI304 AISI316
14	夹套 Jacket	不锈钢 Stainless steel	AISI304
15	耐压筒 Pressure tank	不锈钢 Stainless steel	AISI304
16	联轴器 Coupling	碳钢 Carbon steel	
LQDLF			
3	连接座衬盖 Connecting base lining cover	不锈钢 Stainless steel	AISI304
9	进出水段 Inlet/outlet section	不锈钢 Stainless steel	AISI304
10	底座 Base	铸铁 Cast iron	ASTM25B
LQDL			
9	进出水段 Inlet/outlet section	铸铁 Cast iron	ASTM25B

截面图(Sectional view)

LQDLF,LQDL32,45,64,90,120,150



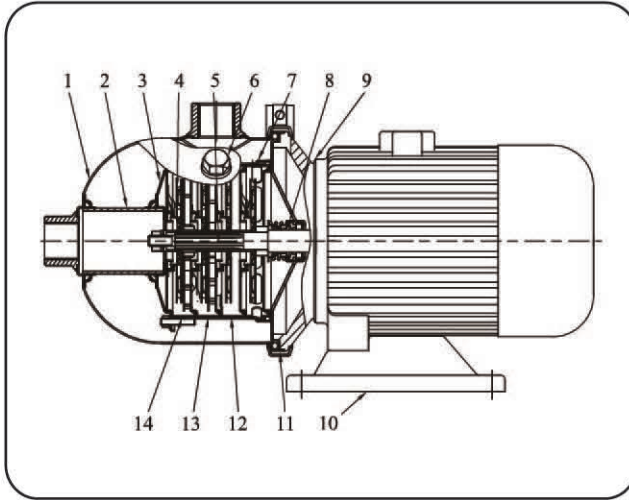
材料(Materials)

LQDL,LQDLF32,45,64,90,120,150

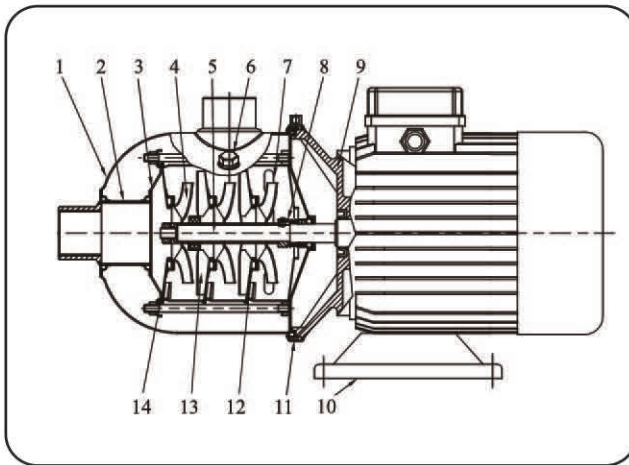
序号 No.	名称 Name	材料 Material	AISI/ASTM
1	连接座 Connecting base	铸铁 Cast iron	ASTM25B
3	集装式机械密封 Cartridge mechanical seal		
4	末级中段部件 End-pole middle-section part	不锈钢 Stainless steel	AISI304
5	轴承中段部件 Bearing middle-section part	不锈钢 Stainless steel	AISI304
6	中段部件 Middle-section part	不锈钢 Stainless steel	AISI304
7	进水段部件 Inlet section part	不锈钢 Stainless steel	AISI304
9	底座 Base	碳钢 Carbon steel	ASTM25B
10	末端轴承 End bearing	碳化钨 Tungsten carbide	
11	叶轮 Impeller	不锈钢 Stainless steel	AISI304
12	轴 Shaft	不锈钢 Stainless steel	AISI304 AISI316
13	轴承套组件 Bearing sleeve subassembly	碳化钨 Tungsten carbide	
14	耐压筒 Pressure tank	不锈钢 Stainless steel	AISI304
15	联轴器 Coupling	碳钢 Carbon steel	
	橡胶零件 Rubber part	Epdm Fkm	
LQDL			
2	泵盖 Pump cover	铸铁 Cast iron	ASTM25B
8	进出水段 Inlet/outlet section	铸铁 Cast iron	ASTM25B
LQDLF			
2	泵盖 Pump cover	不锈钢 Stainless steel	AISI304
8	进出水段 Inlet/outlet section	不锈钢 Stainless steel	AISI304



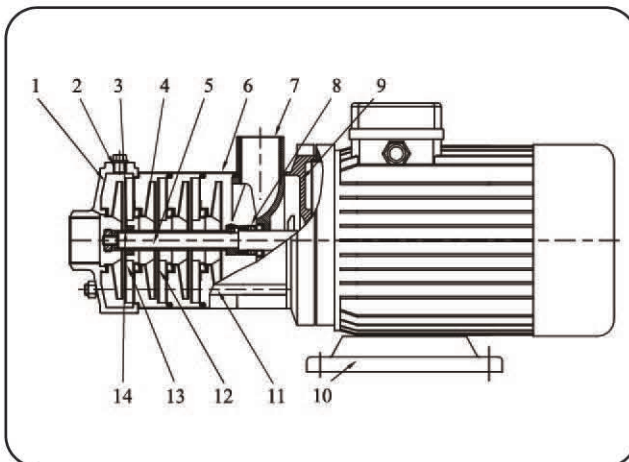
截面图(Sectional view) LQDWF2,4,5



截面图(Sectional view)
LQDWF8,10,12,15,20



截面图(Sectional view)
LQDWJ,LQDWJ(T)



材料(Materials) LQDWF

序号 No.	名称 Name	材料 Material	AISI/ASTM
1	耐压筒 Pressure tank	不锈钢 Stainless steel	AISI304
2	连接管 Connecting pipe	不锈钢 Stainless steel	AISI304
3	压盖组件 Gland subassembly	不锈钢 Stainless steel	AISI304
4	叶轮 Impeller	不锈钢 Stainless steel	AISI304
5	轴 Shaft	不锈钢 Stainless steel	AISI304
6	堵头螺塞 Screw plug	不锈钢 Stainless steel	AISI304
7	出口导流器 Outlet fluid director	不锈钢 Stainless steel	AISI304
8	机械密封 Mechanical seal		
9	电机端盖 End cover of the motor	铝合金 Aluminum alloy	
10	底座 Base	铸铁 Cast iron	ASTM25B
11	抱箍 Anchor ear	不锈钢 Stainless steel	AISI304
12	导流器 Fluid director	不锈钢 Stainless steel	AISI304
13	轴承导流器 Bearing fluid director	不锈钢 Stainless steel	AISI304
14	进口导流器 Inlet fluid director	不锈钢 Stainless steel	AISI304

材料(Materials) LQDWJ (T)

序号 No.	名称 Name	材料 Material	AISI/ASTM
2	堵头螺塞 Screw plug	不锈钢 Stainless steel	AISI304
3	轴承 Bearing	碳化钨 Tungsten carbide	
4	叶轮 Impeller	不锈钢 Stainless steel	AISI304
5	轴 Shaft	不锈钢 Stainless steel	AISI304
6	出口导流器 Outlet fluid director	不锈钢 Stainless steel	AISI304
8	机械密封 Mechanical seal		
9	电机端盖 End cover of the motor	铝合金 Aluminum alloy	
10	底座 Base	铸铁 Cast iron	ASTM25B
11	拉杆 Pull rod	不锈钢 Stainless steel	AISI304
12	导流器 Fluid director	不锈钢 Stainless steel	AISI304
13	轴承导流器 Bearing fluid director	不锈钢 Stainless steel	AISI304
14	夹套 Jacket	不锈钢 Stainless steel	AISI304
LQDWJ			
1	进水体 Water-in body	不锈钢 Stainless steel	AISI304
7	出水体 Water-in body	不锈钢 Stainless steel	AISI304
LQDWJ(T)			
1	进水体 Water-in body	铸铁 Cast iron	ASTM25B
7	出水体 Water-in body	铸铁 Cast iron	ASTM25B

最大入口压力，请参考表1 Maximum inlet pressure (see Table 1)

表1为最大允许入口压力，然而，实际入口压力+闭阀时的压力必须始终低于最大允许工作压力。如果超过泵最大允许运行压力，电机中的轴承可能损坏，轴封的寿命会缩短，运行和进口压力举例：

Table 1 gives the permissible maximum inlet pressure; however, sum of the actual inlet pressure and the valve-closing pressure must always be smaller than the permissible maximum operating pressure. If the sum is larger than the permissible maximum operating pressure of the pump, the bearing in the motor will possibly get damaged and the shaft seal will have a shorter life. Hereunder are some examples about the operating pressure and the inlet pressure.

例1(Example 1):

泵型选择为LQDL8-8

最大运行压力为：16bar

最大进口压力为：10bar

出口闭阀压力为8.7bar下启动运行，其进口压力必须小于 $16-8.7=7.3$ bar。

Pump type: LQDL8-8

Maximum operating pressure: 16bar

Maximum inlet pressure: 10bar

If the pump is started at an outlet valve-closing pressure of 8.7bar, the inlet pressure must be smaller than 7.3bar (the difference of 16bar and 8.7bar).

例2(Example 2):

泵型选择为LQDL10-2

最大运行压力为16bar

最大进口压力为6.0bar

出口闭阀压力为2.0bar，泵允许在进口压力为6.0bar下启动运行，因为其出口闭阀压力仅为2.0bar，其实际产生的运动压力为 $6.0+2.0=8.0$ bar，不超过最大运行压力。

Pump type: LQDL10-2

Maximum operating pressure: 16bar

Maximum inlet pressure: 6.0bar

In the case of an outlet valve-closing pressure of 2.0bar, the pump is allowed to be started at an inlet pressure of 6.0bar. The outlet valve-closing pressure is 2.0bar only and the actual motion pressure of the pump will be 8.0bar (sum of 6.0bar and 2.0bar) that is not larger than the permissible maximum operating pressure.

表1(Table 1):

型号 Model	最大进口压力 Maximum inlet pressure
LQDL,LQDLF1	
1-2~1-8	6[bar]
1-9~1-36	10[bar]
LQDL,LQDLF2	
2-2	6[bar]
2-3~2-11	10[bar]
2-13~2-26	15[bar]
LQDL,LQDLF3	
3-2~3-5	6[bar]
3-6~3-29	10[bar]
3-3~3-36	15[bar]
LQDL,LQDLF4	
4-2	6[bar]
4-3~4-10	10[bar]
4-12~4-22	15[bar]
LQDL,LQDLF8	
8-2/1~8-6	6[bar]
8-8~8-20	10[bar]
LQDL,LQDLF12	
12-2~12-4	6[bar]
12-5~12-18	10[bar]
LQDL,LQDLF15	
15-2~15-8	6[bar]
15-10~15-17	10[bar]
LQDL,LQDLF20	
20-1~20-3	6[bar]
20-4~20-17	10[bar]
LQDL,LQDLF32	
32-1-1~32-2-2	3[bar]
32-2~32-4	4[bar]
32-5-2~32-10	10[bar]
32-11-2~32-14	15[bar]
LQDL,LQDLF45	
45-1-1	3[bar]
45-1~45-2	4[bar]
45-3-2~45-5	10[bar]
45-6-2~45-13-2	15[bar]
LQDL,LQDLF64	
64-1-1~64-2-2	4[bar]
64-2-1~64-3	10[bar]
64-4-2~64-8-1	15[bar]
LQDL,LQDLF90	
90-1-1~90-1	4[bar]
90-2-2~90-3-2	10[bar]
90-3-1~90-6	15[bar]
LQDL,LQDLF120,150,200	
	15[bar]



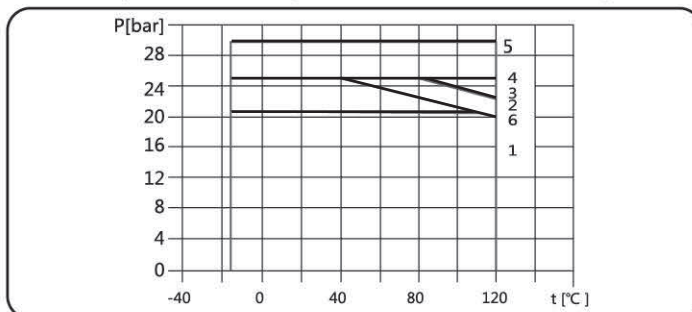
最大工作压力(Maximum operating pressure):
如表2所示(see Table 2)

型号	曲线号
LQDL,LQDLF1	
1-2~1-23	1
1-25~1-36	2
LQDL,LQDLF2	
2-2~2-15	1
2-18~2-26	2
LQDL,LQDLF3	
3-2~3-23	1
3-25~3-36	2
LQDL,LQDLF4	
4-2~4-16	1
4-19~4-22	2
LQDL,LQDLF8	
8-2/1~8-12	1
8-14~8-20	3
LQDL,LQDLF12	
12-2~12-10	1
12-12~12-18	3
LQDL,LQDLF 15	
15-2~15-8	1
15-10~15-17	3
LQDL,LQDLF20	
20-1~20-8	1
20-10~20-17	3
LQDL,LQDLF32	
32-1-1~32-7	1
32-8-2~32-12	4
32-13~32-14	5
LQDL,LQDLF45	
45-1-1~45-6	1
45-7-2~45-9	4
45-10-2~45-13-2	5
LQDL,LQDLF64	
64-1-1~64-5	1
64-6-2~64-8-1	4
LQDL,LQDLF90	
90-1-1~90-5-2	1
90-5~90-6	4
LQDL,LQDLF120,150	6

下图表示压力和温度的极限，压力和温度须在所示范围内。

The figure below gives limits of pressure and temperature.

The actual pressure and temperatures must be within the ranges.



最小入口压力的计算。如图2所示： Calculation of the minimum inlet pressure (see Fig.2)

最小入口压力“H”（单位：米水柱）计算如下式： $H=P_b \times 10.2 - NPSH - H_f - H_v - H_s$

P_b =当地大气压bar（标准大气压为1bar）（封闭系统中 P_b 表示的系统压力（单位为bar）

$NPSH$ =汽蚀余量（单位为m）（可从样本中泵的 $NPSH$ 性能曲线中读取）

H_f =吸入处管路中的摩擦损失（单位为m）

H_v =液体的汽化压力单位为m（见表3）

H_s =安全余量（最小取0.5m）

如果计算出的H是正值，表示泵可以吸上高度为H的液体。如为负值，泵会发生气蚀，必须有一最小进口压力为H的水头。

Calculation formula of the minimum inlet pressure H (unit: mH₂O): $H=P_b \times 10.2 - NPSH - H_f - H_v - H_s$

P_b : the local atmospheric pressure (bar) (the standard atmospheric pressure is 1bar) (in a sealed pressure, P_b refers to the system pressure) (unit: bar)

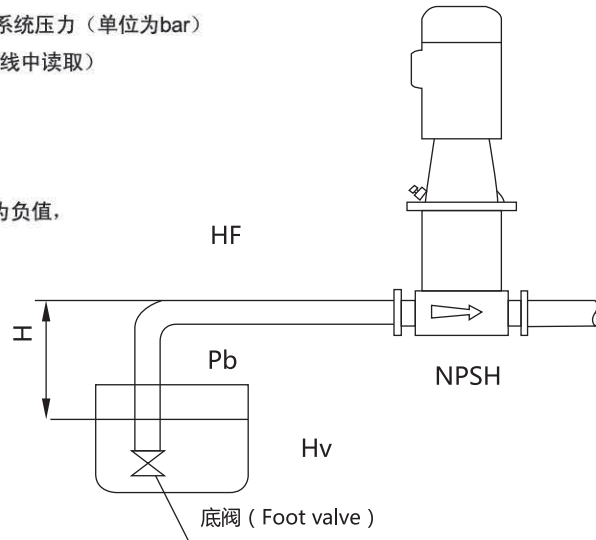
$NPSH$: net positive suction head (unit: m) (it may be obtained from the $NPSH$ performance curve of the sample pump)

H_f : wear loss in the pipe at the suction position (unit: m)

H_v : gasification pressure of the liquid (unit: m) (see Table 3)

H_s : safety margin (minimum: 0.5m)

If the obtained H value is positive, it means that the pump is capable of absorbing a liquid to a height of H; if it is negative, it means that the pump will have cavitation and there must be a head with a minimum inlet pressure of H.



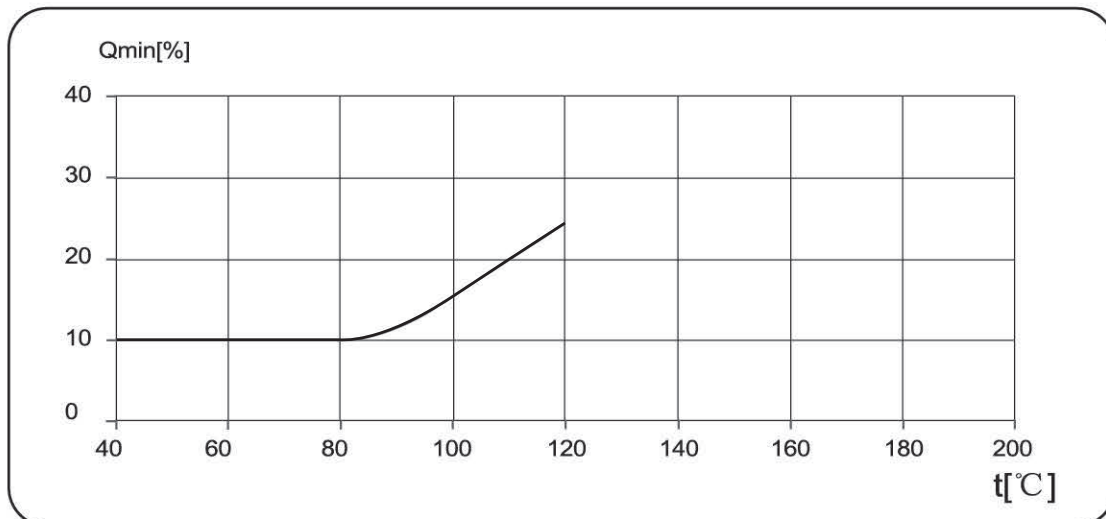
温度与汽化压力表 3 (Table 3 Temperature and Gasification Pressure)

水温℃ Water temperature (°C)	20	30	40	50	60	70	80	85	90	95	100	110	120	130	140
汽化压力m Gasification pressure (m)	0.25	0.4	0.8	1.3	2.1	3.3	4.9	6.1	7.4	8.9	10.9	14.5	20.5	26.5	35

最小流量 (Minimum flow rate)

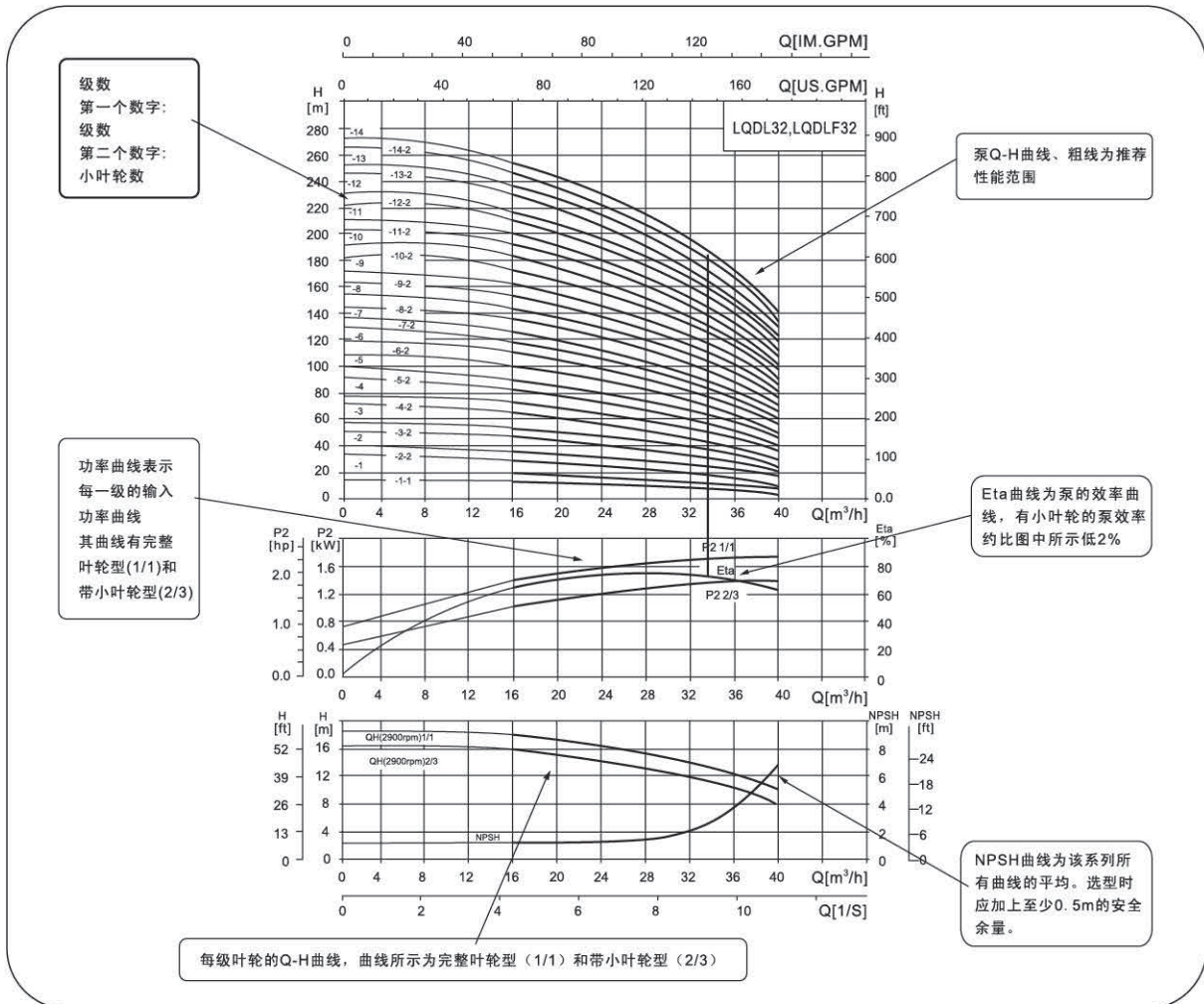
由于有过热危险，泵不应工作在最小流量状态下。以下曲线显示在相应温度下，最小流量占正常流量的百分比。

There is an overheat risk, so the pump should not run with the minimum flow rate. The curve below shows the percentages of the minimum flow rate in the normal flow rate at the corresponding temperatures.



注意：泵运转中必须打开出水阀

Note: the outlet valve must be opened when the pump is running.



性能曲线

下列说明适用于后面所示的曲线:

- 1、所有曲线都基于电机在恒速 2900rpm或2950rpm 的测量值
- 2、曲线容差符合ISO9906
- 3、测试采用20℃不含空气的水, 运行粘度为 $1\text{mm}^2/\text{s}$
- 4、泵的使用参照加粗曲线的性能范围, 以防流量过小产生过热器和流量过大电机过载等。

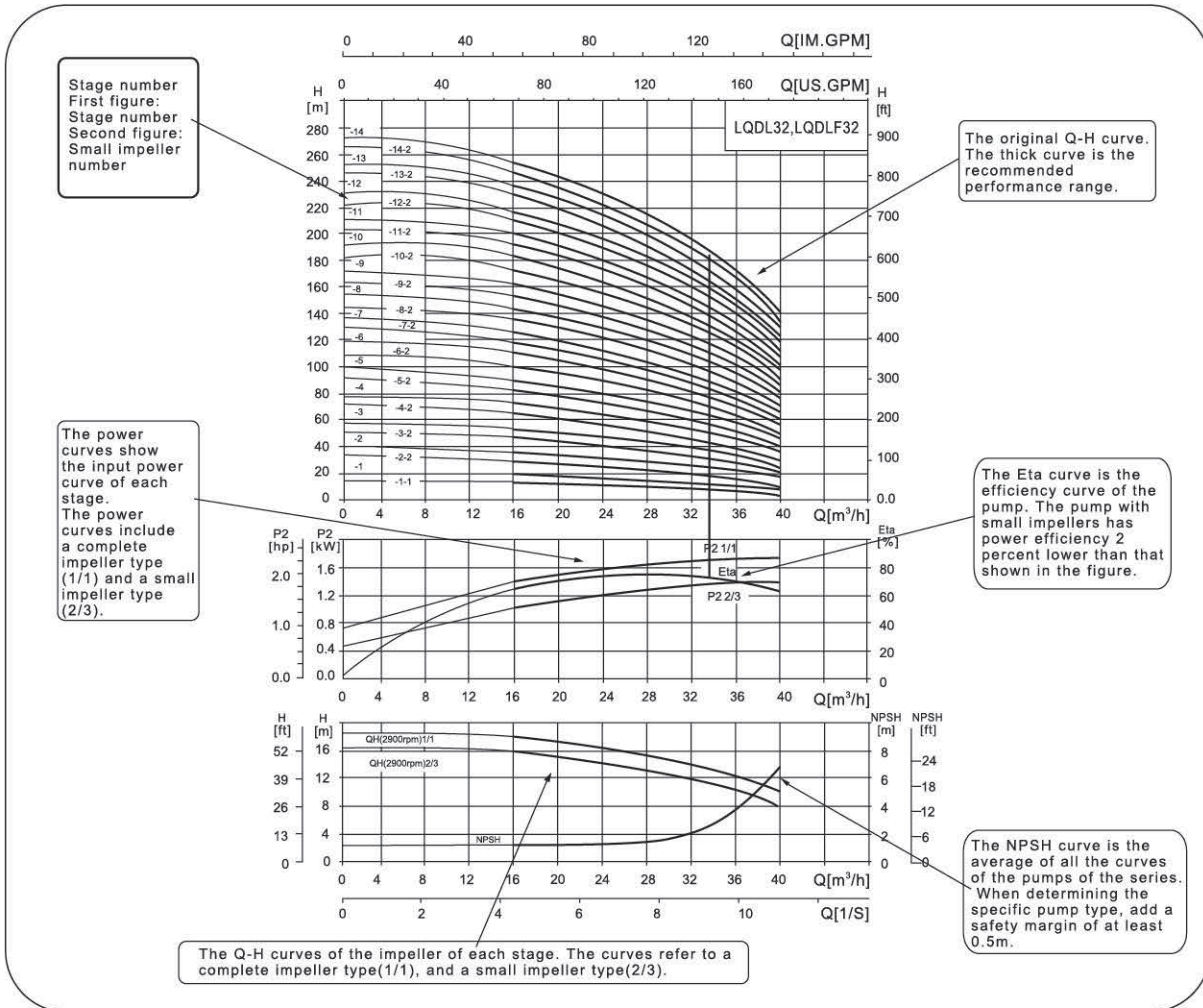
泵型选择

- 泵的安装方式
- 泵的额定工作点 (在性能范围上定点)
- 泵输送的液体
- 泵连接尺寸
- 轴封

选型数据

在确定规格时必须考虑下述因素:

- 出水点所需的流量和压力
- 高度差产生的压力损失
- 管路阻力损失
- 估计的额定工作点下的最高效率
- 考虑NPSH值



Performance curve

The instructions below are applicable to the subsequent curves.

- 1、 All the curves are based on the values measured at a constant speed of 2900rpm or 2950rpm of the motor.
- 2、 The curve tolerances comply with requirements of the ISO9906.
- 3、 The tests are done for water with a temperature of 20℃ and a kinematic viscosity of 1mm²/s and without air.
- 4、 Please refer to the performance ranges of the thick curves for pump operation, so as to avoid overheat because of a too small flow rate and motor overload because of a too large flow rate, etc.

Pump type selection

- Pump installation method
- Rated operating point of the pump (determined on the performance ranges)
- Liquid conveyed by the pump
- Connecting dimensions of the pump
- Shaft seal

Type selection data

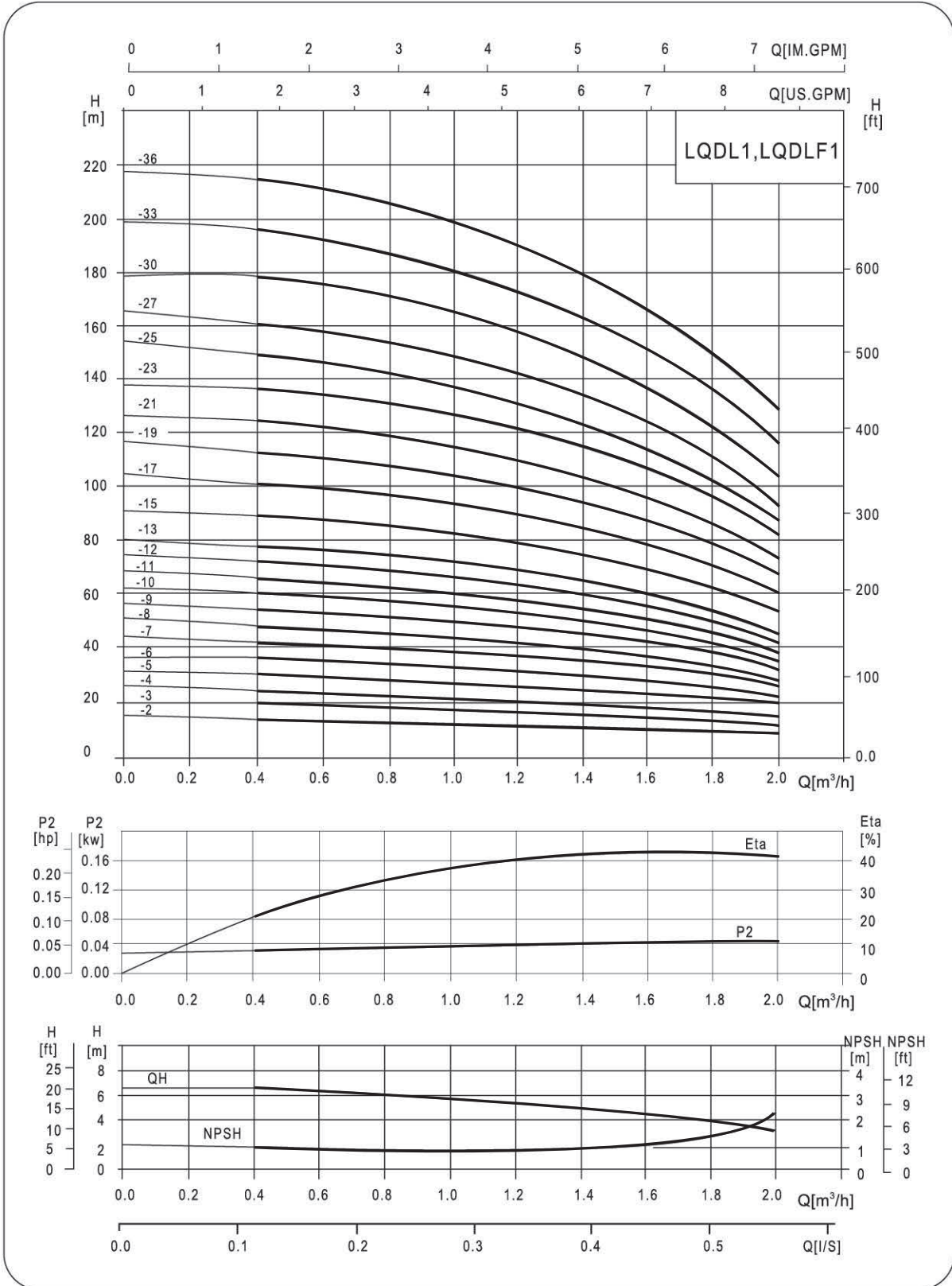
When the specifications are determined, the following factors must be considered:

- The flow rate and pressure necessary for the water outlet
- The pressure loss because of the altitude difference
- Pipeline resistance loss
- Estimated highest efficiency under the rated operating point
- NPSH



性能曲线(Performance curve)

2900rpm

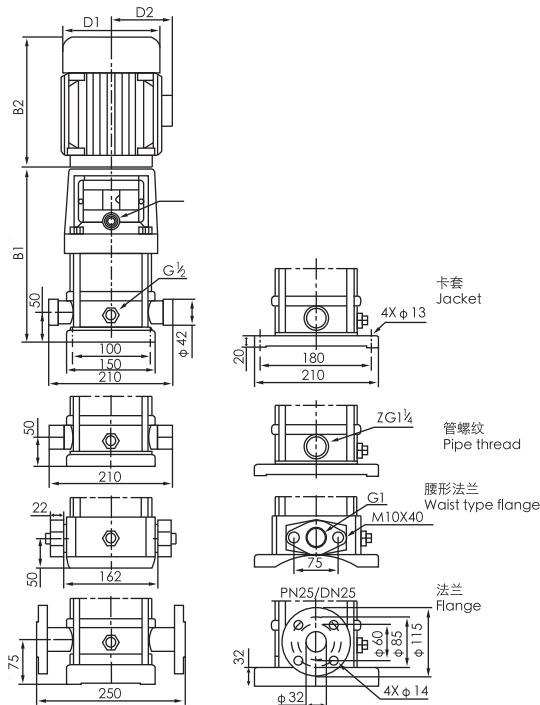


性能表(Performance table)

型号 Model	配用电动机 Matching motor (KW)	Q (m³/h)	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
LQDL1-2	0.37	H (m)	13	12.5	12	11.5	11	10.5	10	9.5	9
LQDL1-3	0.37		19	18	17.5	17	16.5	16	15	14	12
LQDL1-4	0.37		24	23.5	23	22.5	21.5	21	19	18	16
LQDL1-5	0.37		30	29.6	29	28	27	26	24	22	20
LQDL1-6	0.37		36	35.5	35	33.5	33	31	28	26	23
LQDL1-7	0.37		42	41	40.5	39	38	36	33	30	27
LQDL1-8	0.55		48	47	46	45	43	41	38	34	30
LQDL1-9	0.55		54	53	52	51	49	46	43	39	33
LQDL1-10	0.55		60	59	58	57	54	51	48	43	36
LQDL1-11	0.55		66	65	63	61	59	56	52	47	40
LQDL1-12	0.75		72	71	69	67	64	61	57	51	44
LQDL1-13	0.75		78	77	75	73	69	66	62	55	47
LQDL1-15	0.75		89	88	86	84	79	76	71	63	55
LQDL1-17	1.1		101	99	97	95	89	86	80	71	62
LQDL1-19	1.1		113	110	108	106	99	96	89	79	69
LQDL1-21	1.1		124	122	120	117	110	106	98	87	75
LQDL1-23	1.1		137	133	131	128	121	116	107	96	82
LQDL1-25	1.5		149	145	143	139	131	126	116	104	89
LQDL1-27	1.5		161	157	155	150	141	136	125	112	95
LQDL1-30	1.5		178	175	171	166	157	150	139	124	106
LQDL1-33	2.2		196	192	188	183	173	165	154	137	118
LQDL1-36	2.2		214	210	205	200	190	181	169	151	130

安装图(Installation drawing)

尺寸和重量(Dimensions and weight)



型号 Model	尺寸Dimensions (mm)						(重量Weight) (kg)				
	B1	B2	B1+B2	D1	D2	D3					
LQDL1-2	279	210	489	148	117	105	21				
LQDL1-3	297		507				21				
LQDL1-4	315		525				22				
LQDL1-5	333		543				22				
LQDL1-6	351		561				23				
LQDL1-7	369		579				23				
LQDL1-8	389		597				24				
LQDL1-9	405		615				24				
LQDL1-10	423		633				25				
LQDL1-11	441		651				25				
LQDL1-12	459	255	714	170	142	120	26				
LQDL1-13	477		732				26				
LQDL1-15	513		768				27				
LQDL1-17	549		804				28				
LQDL1-19	585		840				29				
LQDL1-21	621		876				30				
LQDL1-23	657		912				31				
LQDL1-25	703		290				993	190	155	140	40
LQDL1-27	739						1029				41
LQDL1-30	793						1083				42
LQDL1-33	847	1137		44							
LQDL1-36	901	1191		45							

LQDL1-25~1~36 椭圆法兰型管路联接

单相电机、隔爆电机外形尺寸有所变动，详情请咨询本公司。

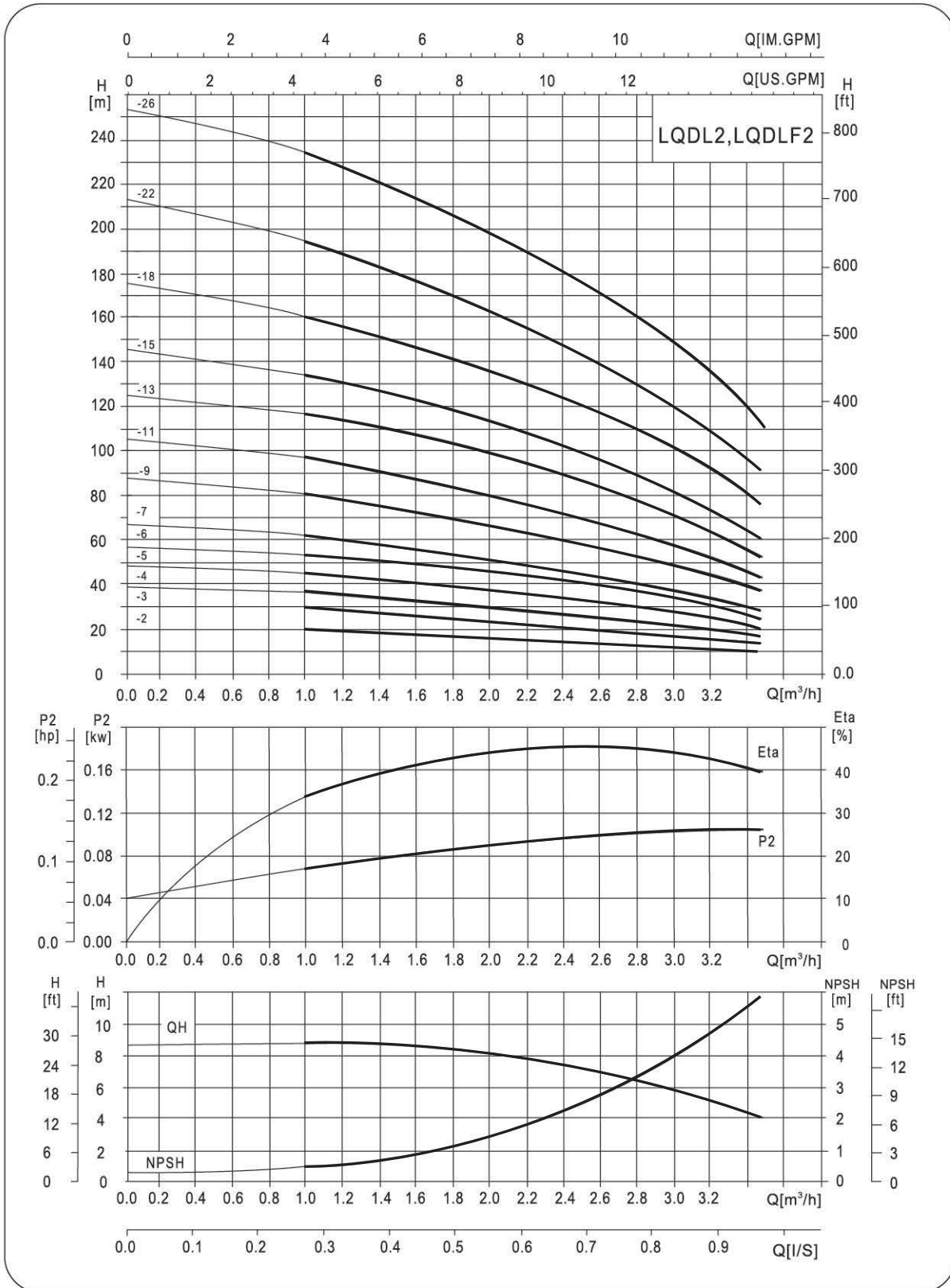
LQDL1-25~1~36 Pipe connection with oval flanges

The external dimensions of single-phase motors and explosion-proof motors have changed. Please consult with us about them.



性能曲线(Performance curves)

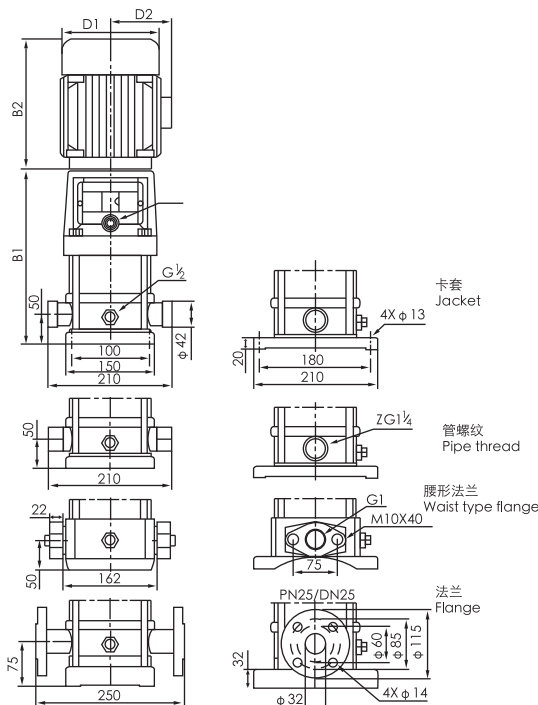
2900rpm



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m³/h)	1	1.2	1.6	2.0	2.4	2.8	3.2	3.5
LQDL2-2	0.37	H (m)	18	17	16	15	13	12	10	8
LQDL2-3	0.37		27	26	24	22	20	18	15	12
LQDL2-4	0.55		36	35	33	30	26	24	20	16
LQDL2-5	0.55		45	43	40	37	33	30	24	20
LQDL2-6	0.75		53	52	50	45	40	36	30	24
LQDL2-7	0.75		63	61	57	52	47	41	35	28
LQDL2-9	1.1		80	78	73	67	61	54	45	37
LQDL2-11	1.1		98	95	89	82	73	64	54	44
LQDL2-13	1.5		116	114	106	98	89	78	65	52
LQDL2-15	1.5		134	130	123	112	100	90	73	60
LQDL2-18	2.2		161	157	148	136	121	108	91	76
LQDL2-22	2.2		197	192	180	165	148	130	110	90
LQDL2-26	3.0		232	228	214	198	179	158	130	110

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

型号 Model	尺寸Dimensions(mm)						重量 Weight (kg)
	B1	B2	B2+B2	D1	D2	D3	
LQDL2-2	279	210	489	148	117	105	20
LQDL2-3	297		507				21
LQDL2-4	315		525				22
LQDL2-5	333		543				23
LQDL2-6	351	255	606	170	142	120	25
LQDL2-7	369		624				26
LQDL2-9	405		660				30
LQDL2-11	441		696				31
LQDL2-13	477	290	767	190	155	140	35
LQDL2-15	513		803				36
LQDL2-18	567		857				40
LQDL2-22	639		929				45
LQDL2-26	711	325	1036	197	165	160	50

LQDL2-18~2~26 无椭圆法兰型管路联接

单相电机、隔爆电机外形尺寸有所变动，详情请咨询本公司。

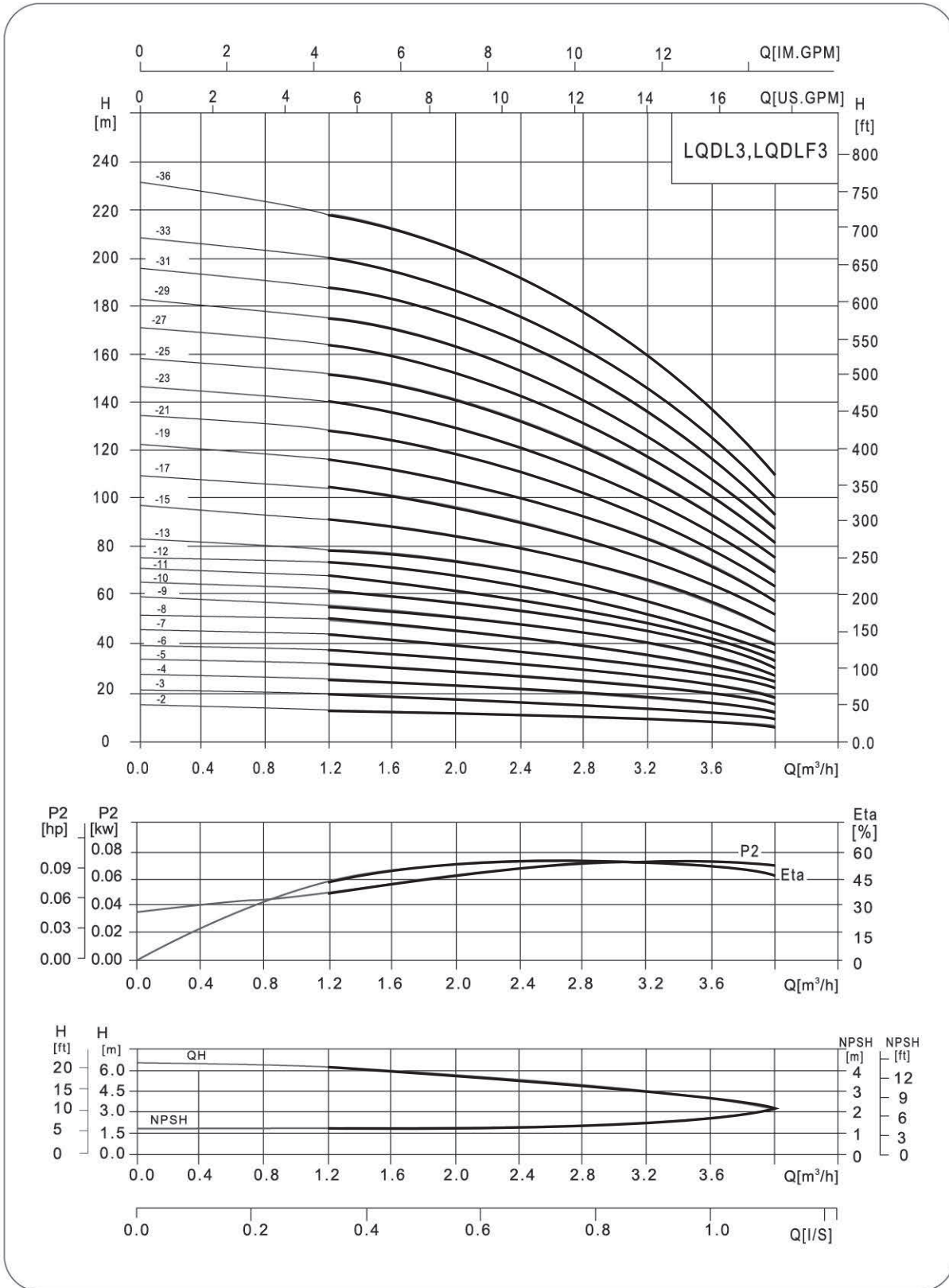
LQDL2-18~2~26 Pipe connection without oval flanges

The external dimensions of single-phase motors and explosion-proof motors have changed. Please consult with us about them.



性能曲线(Performance curves)

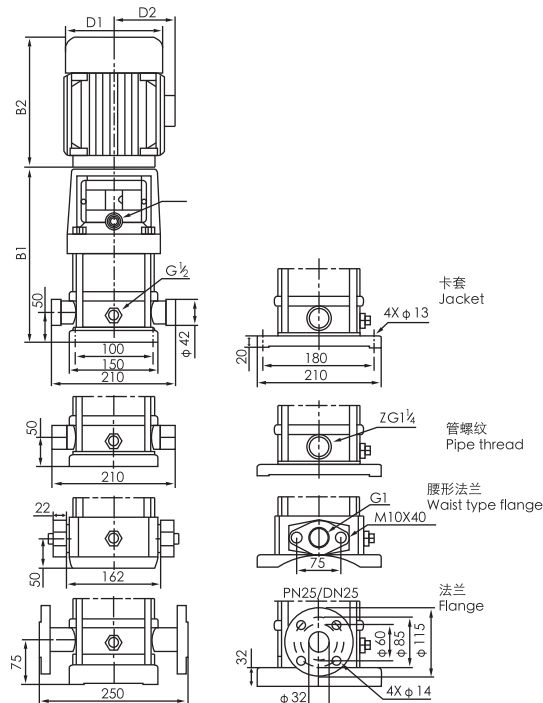
2900rpm



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.6	4.0
LQDL3-2	0.37	H (m)	12.5	11.5	11	10.5	10	9	8	7	6
LQDL3-3	0.37		19	18.5	17.5	16.5	15	14	13	11	9
LQDL3-4	0.37		25	24	23	21.5	20	19	18	15	12
LQDL3-5	0.37		31	30	29	27	25	23	22	19	16
LQDL3-6	0.55		36	35	34	32	30	28	27	23	19
LQDL3-7	0.55		43	41	39	37	34	32	31	27	22
LQDL3-8	0.75		49	47	45	43	39	37	35	31	25
LQDL3-9	0.75		55	53	51	48	45	42	40	35	28
LQDL3-10	0.75		61	59	57	54	50	47	45	39	31
LQDL3-11	1.1		67	64	61	58	54	51	49	42	34
LQDL3-12	1.1		73	70	67	63	58	55	52	45	37
LQDL3-13	1.1		78	76	73	69	64	60	57	49	40
LQDL3-15	1.1		90	88	84	79	73	69	66	57	46
LQDL3-17	1.5		103	100	96	90	83	79	75	64	52
LQDL3-19	1.5		115	112	107	100	92	88	83	72	58
LQDL3-21	2.2		128	124	119	112	102	98	91	79	64
LQDL3-23	2.2		140	135	130	122	112	107	100	86	70
LQDL3-25	2.2		151	147	141	131	122	116	109	94	76
LQDL3-27	2.2		164	159	152	143	132	124	117	101	82
LQDL3-29	2.2		175	170	163	153	142	133	126	109	88
LQDL3-31	3.0		187	182	175	165	153	142	135	116	94
LQDL3-33	3.0		199	194	187	176	163	151	145	125	100
LQDL3-36	3.0		218	212	204	192	178	168	159	137	109

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

型号 Model	尺寸Dimensions(mm)						重量 Weight (kg)
	B1	B2	B1+B2	D1	D2	D3	
LQDL3-2	279	210	489	148	117	105	21
LQDL3-3	297		507				21
LQDL3-4	315		525				22
LQDL3-5	333		543				22
LQDL3-6	351		561				23
LQDL3-7	369	579	23				
LQDL3-8	389	255	642	170	142	120	24
LQDL3-9	405		660				24
LQDL3-10	423		678				25
LQDL3-11	441		696				25
LQDL3-12	459		714				26
LQDL3-13	477	732	26				
LQDL3-15	513	768	27				
LQDL3-17	559	290	849	190	155	140	28
LQDL3-19	595		885				29
LQDL3-21	631		921				30
LQDL3-23	667		957				31
LQDL3-25	713		1003				40
LQDL3-27	749	1039	41				
LQDL3-29	785	1075	42				
LQDL3-31	833	325	1158	197	165	160	44
LQDL3-33	869		1194				45
LQDL3-36	923		1248				

LQDL3-25~3~36 无椭圆法兰型管路联接

单相电机、隔爆电机外形尺寸有所变动，详情请咨询本公司。

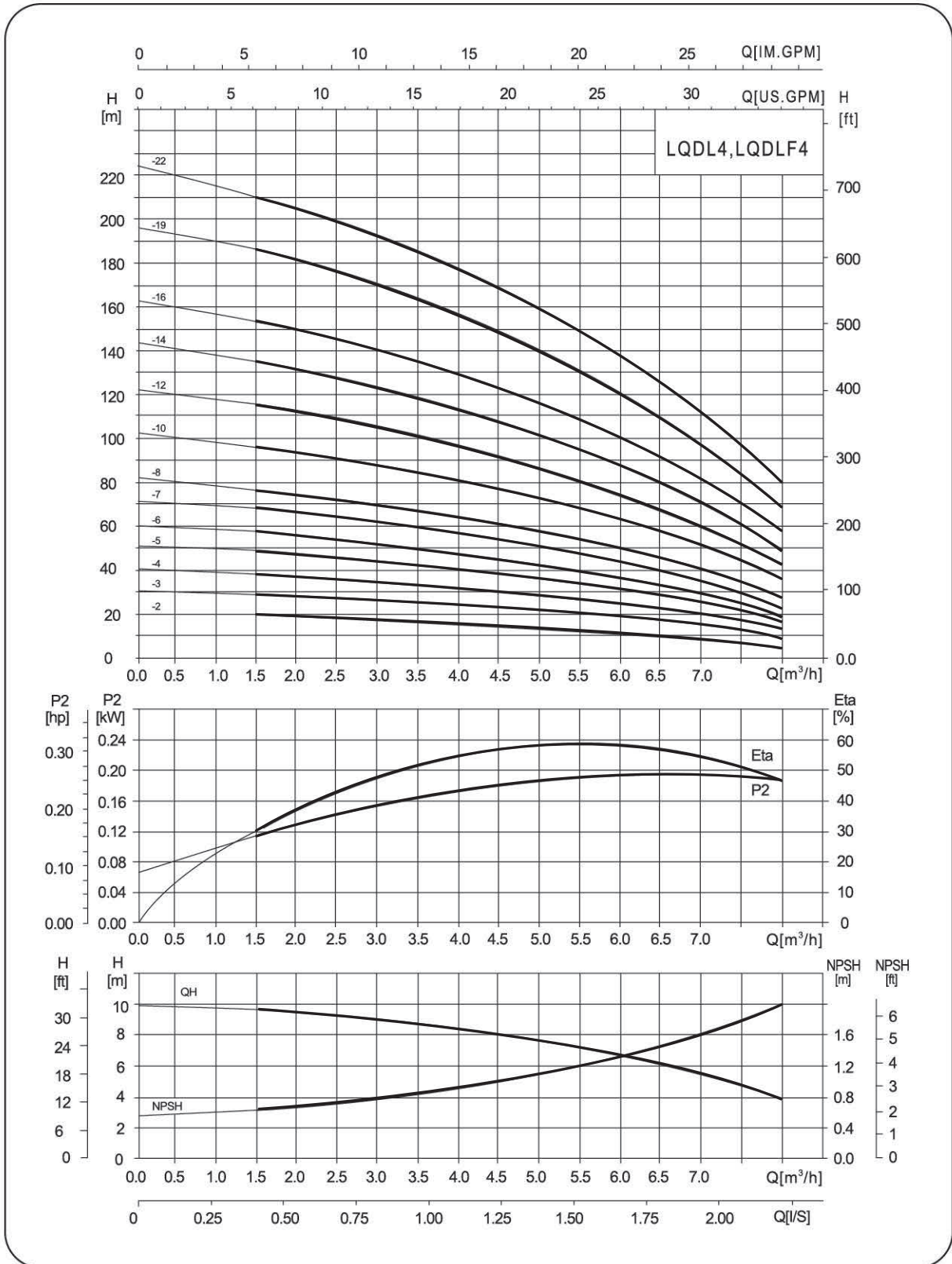
LQDL3-25~3~26 Pipe connection without oval flanges

The external dimensions of single-phase motors and explosion-proof motors have changed. Please consult with us about them.



性能曲线(Performance curves)

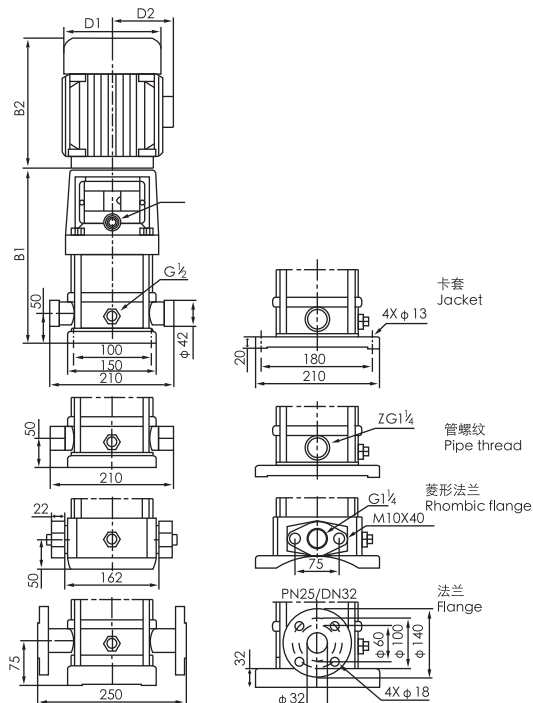
2900rpm



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0
LQDL4-2	0.37	H (m)	19	18	17	15	13	10	8	6
LQDL4-3	0.55		28	27	26	24	20	18	13	10
LQDL4-4	0.75		38	36	34	32	27	24	19	13
LQDL4-5	1.1		47	45	43	40	34	31	23	17
LQDL4-6	1.1		56	54	52	48	41	37	28	20
LQDL4-7	1.5		66	63	61	56	48	43	33	24
LQDL4-8	1.5		74	72	70	64	55	50	38	27
LQDL4-10	2.2		96	90	87	81	71	62	48	34
LQDL4-12	2.2		114	108	104	95	85	75	58	41
LQDL4-14	3.0		136	126	122	112	101	89	68	48
LQDL4-16	3.0		152	144	140	129	115	101	78	55
LQDL4-19	4.0		183	171	168	153	137	122	93	67
LQDL4-22	4.0		211	200	192	178	160	138	108	79

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

型号 Model	尺寸Dimensions (mm)						重量 Weight (kg)
	B1	B2	B1+B2	D1	D2	D3	
LQDL4-2	279	210	507	148	117	105	22
LQDL4-3	324		534				23
LQDL4-4	351	255	606	170	142	120	24
LQDL4-5	378		633				26
LQDL4-6	405		660				27
LQDL4-7	442	290	732	190	155	140	31
LQDL4-8	469		759				32
LQDL4-10	523		813				33
LQDL4-12	577		867				34
LQDL4-14	643	325	968	197	165	160	36
LQDL4-16	697		1022				41
LQDL4-19	778	335	1113	230	188	160	46
LQDL4-22	859		1194				51

LQDL4-19~4~22 无椭圆法兰型管路联接

单相电机、隔爆电机外形尺寸有所变动，详情请咨询本公司。

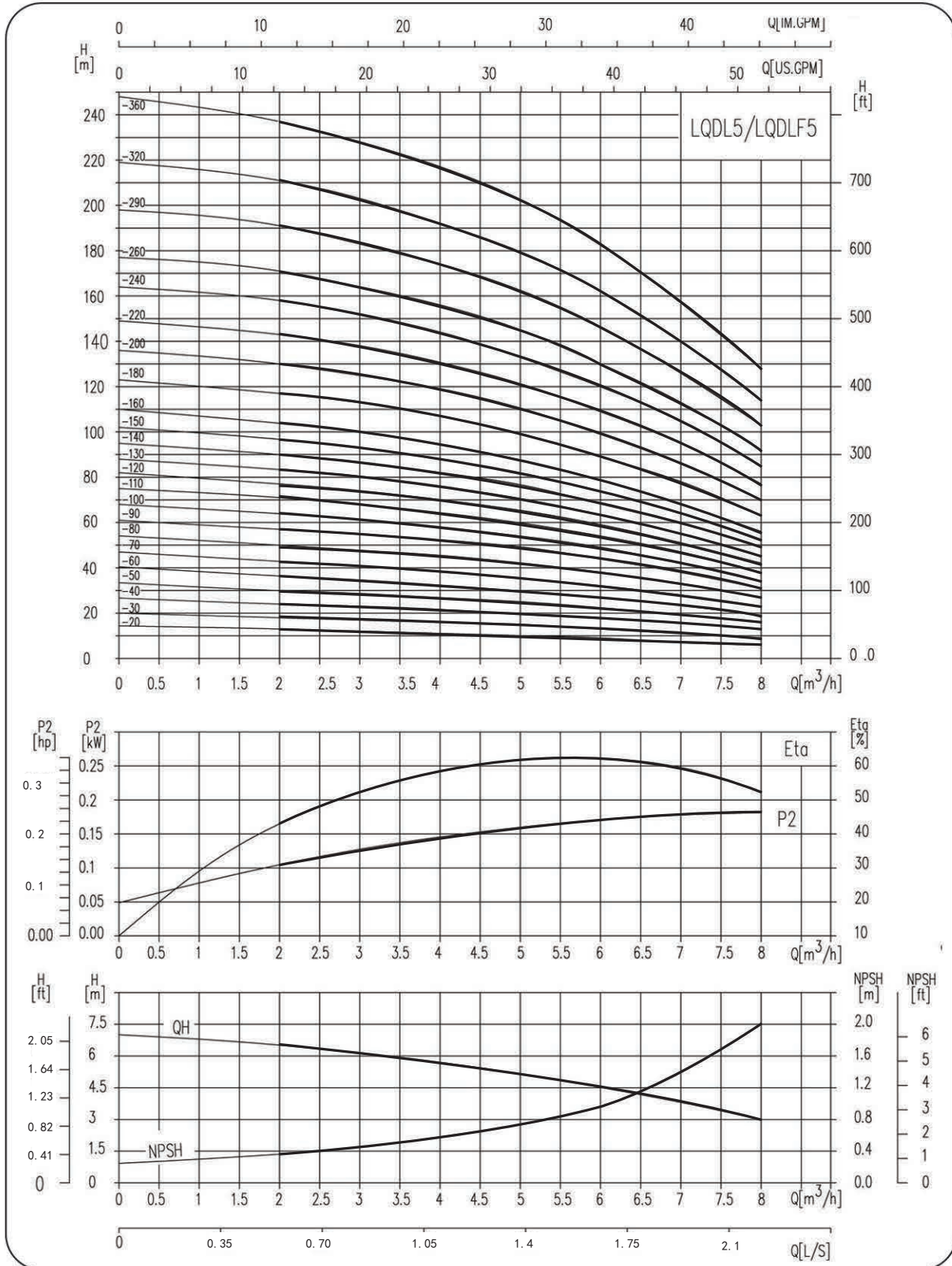
LQDL4-19~4~22 Pipe connection without oval flanges

The external dimensions of single-phase motors and explosion-proof motors have changed. Please consult with us about them.



性能曲线(Performance curves)

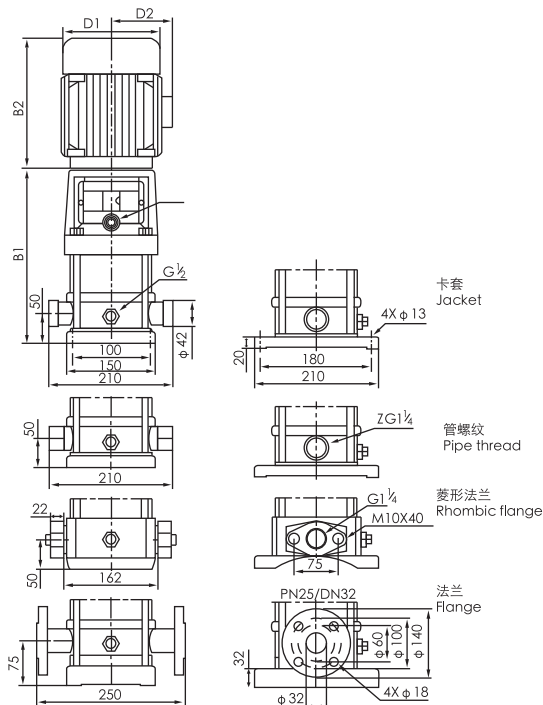
2900rpm



性能表(Performance table)

型号 Model	配用电机 Matching motor (kW)	Q (m ³ /h)	2	3	4	5	6	7	8
LQDL5-2	0.37	H (m)	13	12	11	10	8	7	6
LQDL5-3	0.55		19	18	17	15	13	12	10
LQDL5-4	0.55		25	24	22	20	18	16	13
LQDL5-5	0.75		31	30	28	25	23	20	16
LQDL5-6	1.1		37	36	34	30	27	24	20
LQDL5-7	1.1		43	41	39	36	37	29	23
LQDL5-8	1.1		50	48	45	42	33	33	27
LQDL5-9	1.5		56	54	51	48	43	37	30
LQDL5-10	1.5		62	60	57	53	47	41	34
LQDL5-11	2.2		69	66	62	59	52	45	37
LQDL5-12	2.2		75	72	68	64	57	50	40
LQDL5-13	2.2		81	78	74	69	61	54	44
LQDL5-14	2.2		87	84	79	75	66	58	47
LQDL5-15	2.2		93	90	85	80	71	62	50
LQDL5-16	2.2		100	96	91	85	76	66	54
LQDL5-18	3.0		115	111	105	99	88	76	62
LQDL5-20	3.0		128	123	117	110	97	85	69
LQDL5-22	4.0		142	136	129	122	108	94	77
LQDL5-24	4.0		155	149	141	133	118	103	84
LQDL5-26	4.0		168	161	153	144	127	111	91
LQDL5-29	4.0		187	180	170	160	142	124	101
LQDL5-32	5.5		211	203	192	180	160	140	114
LQDL5-36	5.5		237	228	216	203	180	157	128

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

型号 Model	尺寸 Dimensions (mm)						重量 Weight (kg)
	B1	B2	B1+B2	D1	D2	D3	
LQDL5-2	266	210	476	132	84	105	22
LQDL5-3	293	210	503	132	84	105	23
LQDL5-4	330	255	585	150	95	120	23
LQDL5-5	357		612				26
LQDL5-6	384		639				28
LQDL5-7	411	290	666	168	112	140	29
LQDL5-8	448		738				30
LQDL5-9	475		765				36
LQDL5-10	502	325	792	194	124	160	37
LQDL5-11	529		819				38
LQDL5-12	556		846				39
LQDL5-13	583	335	873	212	142	160	40
LQDL5-14	610		900				41
LQDL5-15	637		927				42
LQDL5-16	664	335	954	212	142	160	43
LQDL5-18	728		1053				46
LQDL5-20	782		1107				47
LQDL5-22	836	335	1171	212	142	160	59
LQDL5-24	890		1225				61
LQDL5-26	944		1279				62
LQDL5-29	1025	430	1360	259	164	200	64
LQDL5-32	1126		1556				79
LQDL5-36	1234		1664				81

LQDL5-32~5-36 无椭圆法兰型管路联接

单相电机、隔爆电机外形尺寸有所变动, 详情请咨询本公司。

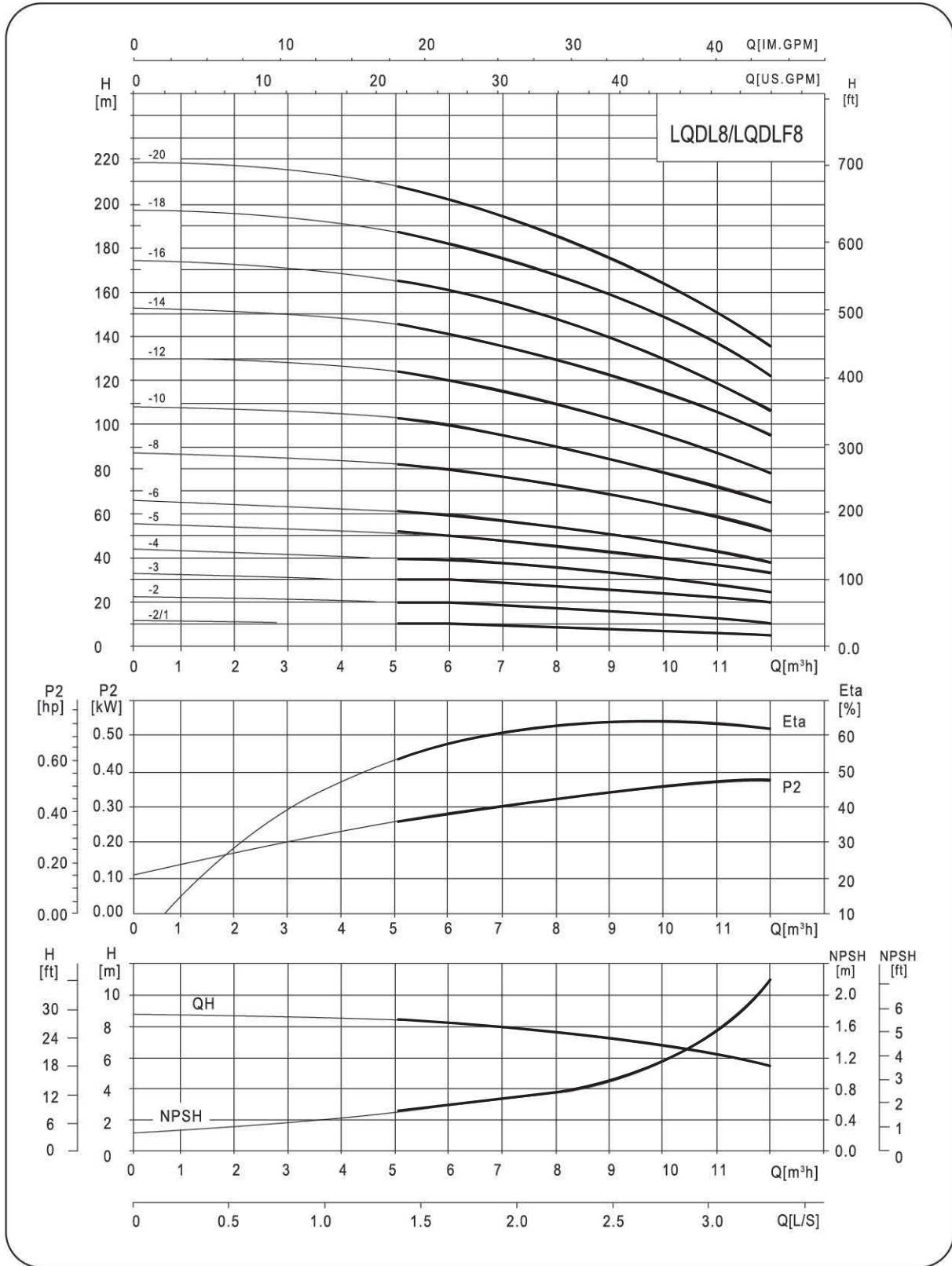
LQDL5-32~5-36 Pipe connection without oval flanges

The external dimensions of single-phase motors and explosion-proof motors have changed. Please consult with us about them.



性能曲线(Performance curves)

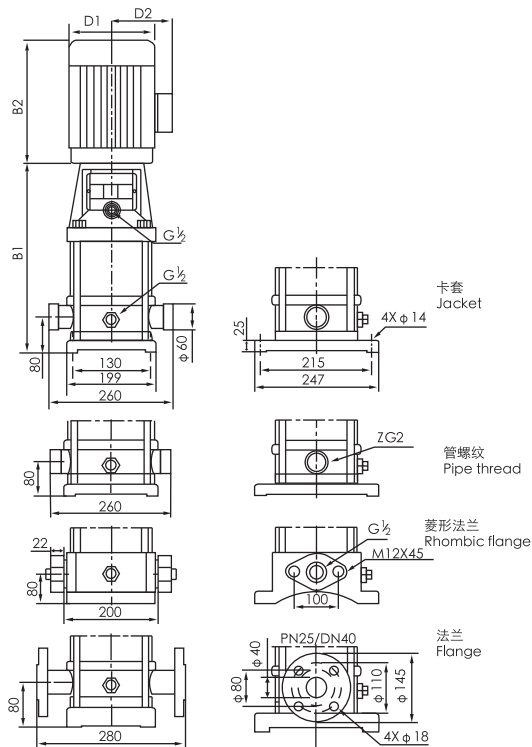
2900rpm



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m³/h)	5	6	7	8	9	10	11	12
LQDL8-2/1	0.75	H (m)	10	9.5	9.3	9	8.5	8	7	6
LQDL8-2	0.75		20	19.5	19	18	17	16	14	13
LQDL8-3	1.1		30	29.5	28.5	27	25	24	21	19
LQDL8-4	1.5		41	39.5	38	36	34	32	28	26
LQDL8-5	2.2		52	50	48	45	42	40	36	32
LQDL8-6	2.2		62	60	57	54	51	48	43	39
LQDL8-8	3.0		83	80	77	73	69	65	58	52
LQDL8-10	4.0		104	100	97	92	87	81	73	65
LQDL8-12	4.0		124	120	116	111	104	92	87	78
LQDL8-14	5.5		145	141	136	130	122	113	102	92
LQDL8-16	5.5		166	161	156	148	139	130	118	106
LQDL8-18	7.5		187	182	175	167	157	146	134	120
LQDL8-20	7.5		208	202	195	186	175	163	150	135

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

型号 Model	尺寸Dimensions (mm)						重量 Weight (kg)
	B1	B2	B1+B2	D1	D2	D3	
LQDL8-2/1	379	255	634	170	142	120	24
LQDL8-2	379						24
LQDL8-3	409						34
LQDL8-4	439	290	729	190	155	140	34
LQDL8-5	469						44
LQDL8-6	499						44
LQDL8-8	569	325	894	197	165	160	49
LQDL8-10	629	335	964	230	188		59
LQDL8-12	689						59
LQDL8-14	769	430	1199	260	208	200	84
LQDL8-16	829						94
LQDL8-18	889						94
LQDL8-20	949						94

LQDL8-14~8~20 无椭圆法兰型管路联接

单相电机、隔爆电机外形尺寸有所变动，详情请咨询本公司。

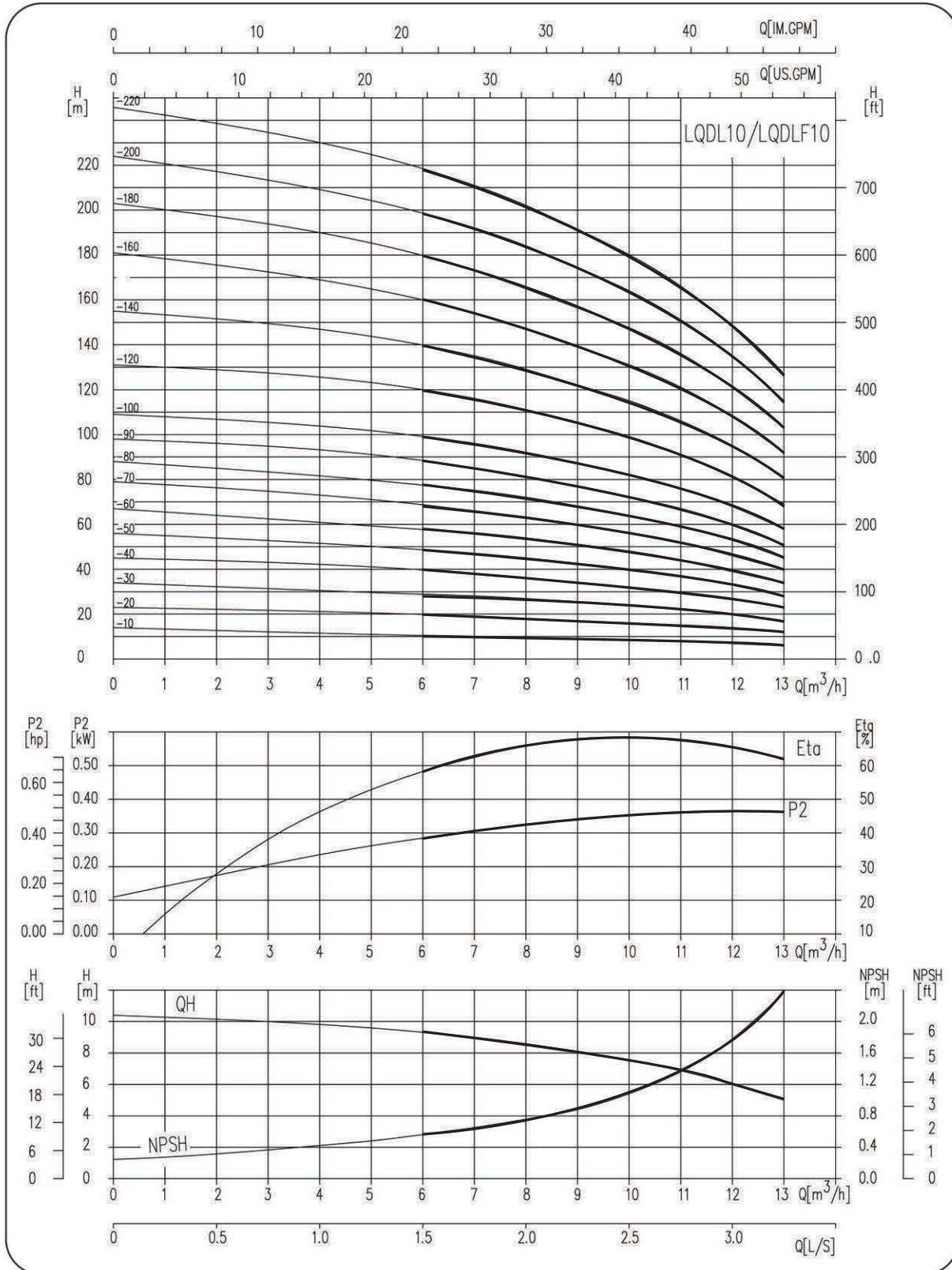
LQDL8-14~8~20 Pipe connection without oval flanges

The external dimensions of single-phase motors and explosion-proof motors have changed. Please consult with us about them.



性能曲线(Performance curves)

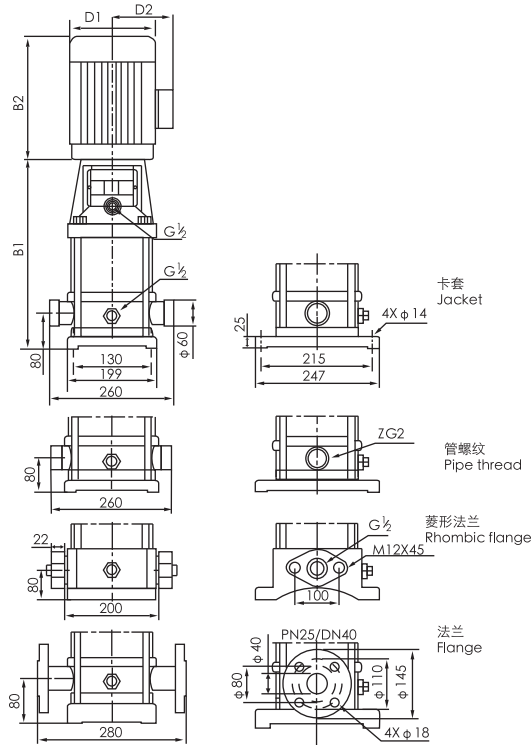
2900rpm



性能表(Performance table)

型号 Model	配用电机 Matching motor	Q (m ³ /h)	6	7	8	9	10	11	12	13
LQDL10-1	0.37	H (m)	11	10	9	8	7	6	5	4
LQDL10-2	0.75		20	19	18	17	16	14	13	11
LQDL10-3	1.1		29	28	27	25	23	21	19	17
LQDL10-4	1.5		39	37	36	34	32	29	26	23
LQDL10-5	2.2		48	47	45	42	39	36	32	29
LQDL10-6	2.2		58	56	54	51	47	43	39	34
LQDL10-7	3.0		69	66	63	60	56	51	46	41
LQDL10-8	3.0		79	76	73	69	64	58	52	46
LQDL10-9	3.0		88	85	82	77	70	66	59	52
LQDL10-10	4.0		100	96	92	87	80	74	66	59
LQDL10-12	4.0		120	115	110	104	95	89	80	70
LQDL10-14	5.5		141	136	130	123	113	105	94	83
LQDL10-16	5.5		162	159	149	141	128	120	108	95
LQDL10-18	7.5		182	175	168	159	147	235	121	107
LQDL10-20	7.5		202	195	186	176	164	150	135	119
LQDL10-22	7.5		222	214	205	194	178	165	148	131

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

型号 Model	尺寸 Dimensions (mm)						重量 Weight (kg)
	B1	B2	B1+B2	D1	D2	D3	
LQDL10-1	379	210	589	148	117	105	32
LQDL10-2	379	255	634	170	142	120	34
LQDL10-3	409		664				38
LQDL10-4	439	290	729	190	155	140	46
LQDL10-5	469		759				47
LQDL10-6	499		789				48
LQDL10-7	539	325	864	197	165	160	54
LQDL10-8	569		894				55
LQDL10-9	599	335	924	230	188	160	56
LQDL10-10	629		964				68
LQDL10-12	689		1024				70
LQDL10-14	769	430	1199	260	208	200	92
LQDL10-16	829		1259				94
LQDL10-18	889		1319				99
LQDL10-20	949		1379				101
LQDL10-22	1009		1439				104

LQDL10-18~10-22 无椭圆法兰型管路联接

单相电机、隔爆电机外形尺寸有所变动, 详情请咨询本公司。

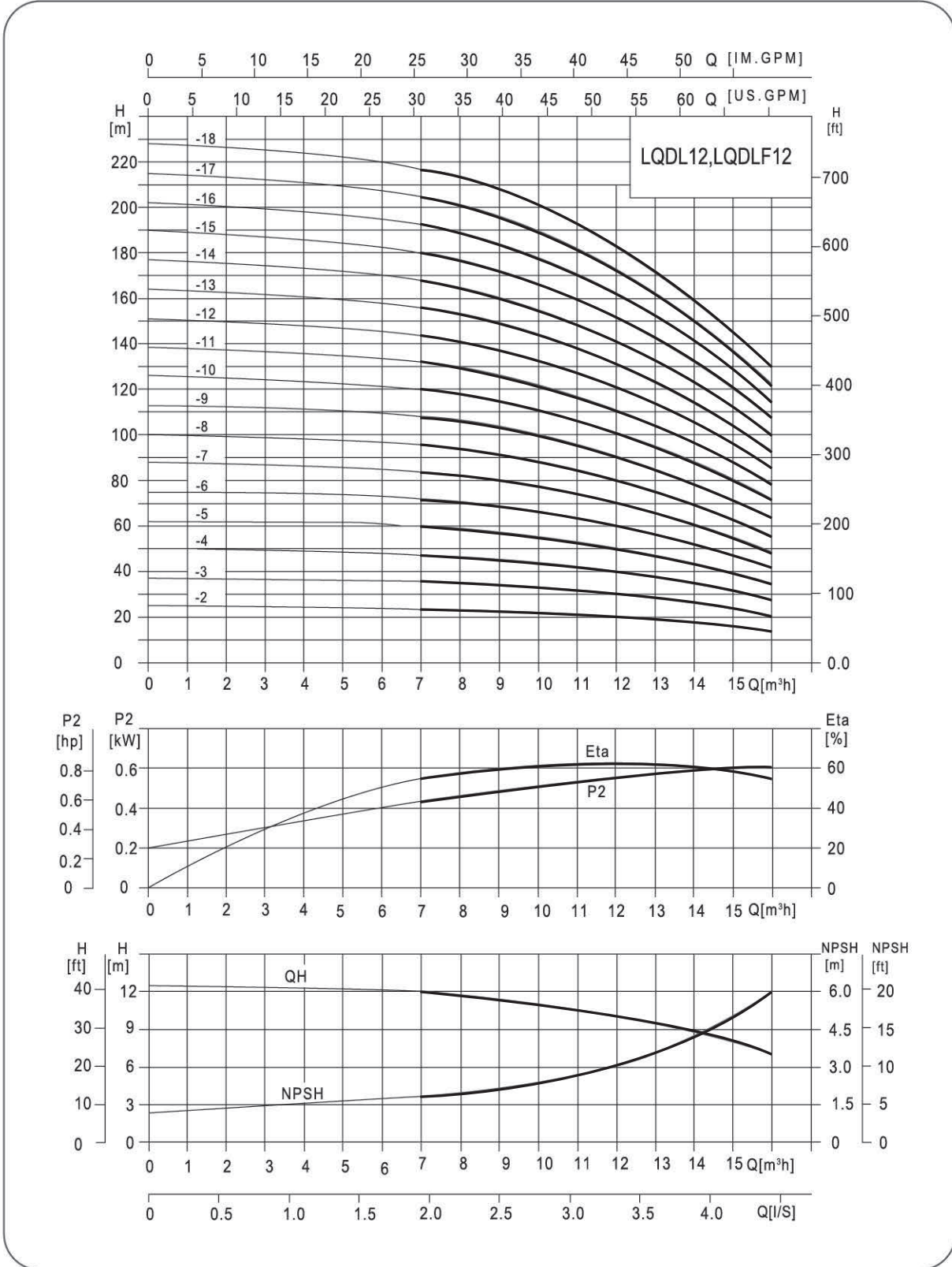
LQDL10-18~10-22 Pipe connection without oval flanges

The external dimensions of single-phase motors and explosion-proof motors have changed. Please consult with us about them.



性能曲线(Performance curves)

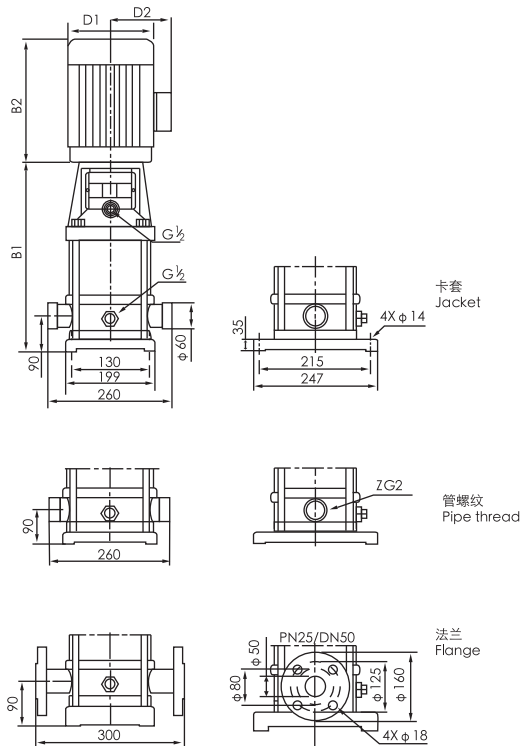
2900rpm



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	7	8	9	10	11	12	13	14	15	16
LQDL12-2	1.5	H (m)	23.5	23	22.5	22	21	20	18.5	17	15.5	14
LQDL12-3	2.2		35.5	35	34	33	31.5	30	28	26	23.5	21
LQDL12-4	3		47	46	45	44	42	40	37	34	31	28
LQDL12-5	3		59.5	58	56.5	55	52.5	50	46.5	43	39	35
LQDL12-6	4		71.5	70	68	66	63	60	56	52	47	42
LQDL12-7	5.5		83.5	82	79.5	77	73.5	70	65.5	61	55	49
LQDL12-8	5.5		95.5	94	91	88	84	80	75	70	63	56
LQDL12-9	5.5		108	106	103	100	95.5	91	85	79	71.5	64
LQDL12-10	7.5		120	118	114.5	111	106	101	94.5	88	80	72
LQDL12-12	7.5		143.5	141	137	133	127	121	113.5	106	96	86
LQDL12-14	11		168	165	160	155	148	141	132.5	124	112	100
LQDL12-16	11		192.5	189	183.5	178	170	162	152	142	128.5	115
LQDL12-18	11		217	213	207.5	202	192.5	183	171.5	160	145	130

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

型号 Model	尺寸Dimensions (mm)						重量 Weight (kg)
	B1	B2	B1+B2	D1	D2	D3	
LQDL12-2	379	290	669	190	155	140	37
LQDL12-3	409		669				40
LQDL12-4	449	325	774	197	165	160	47
LQDL12-5	479		804				48
LQDL12-6	509	335	844	230	188		58
LQDL12-7	559	430	989	260	208	200	76
LQDL12-8	589		1019				76
LQDL12-9	619		1049				78
LQDL12-10	649		1079				78
LQDL12-12	709		1139				80
LQDL12-14	859	505	1364	330	255	350	151
LQDL12-16	919		1424				151
LQDL12-18	979		1484				153

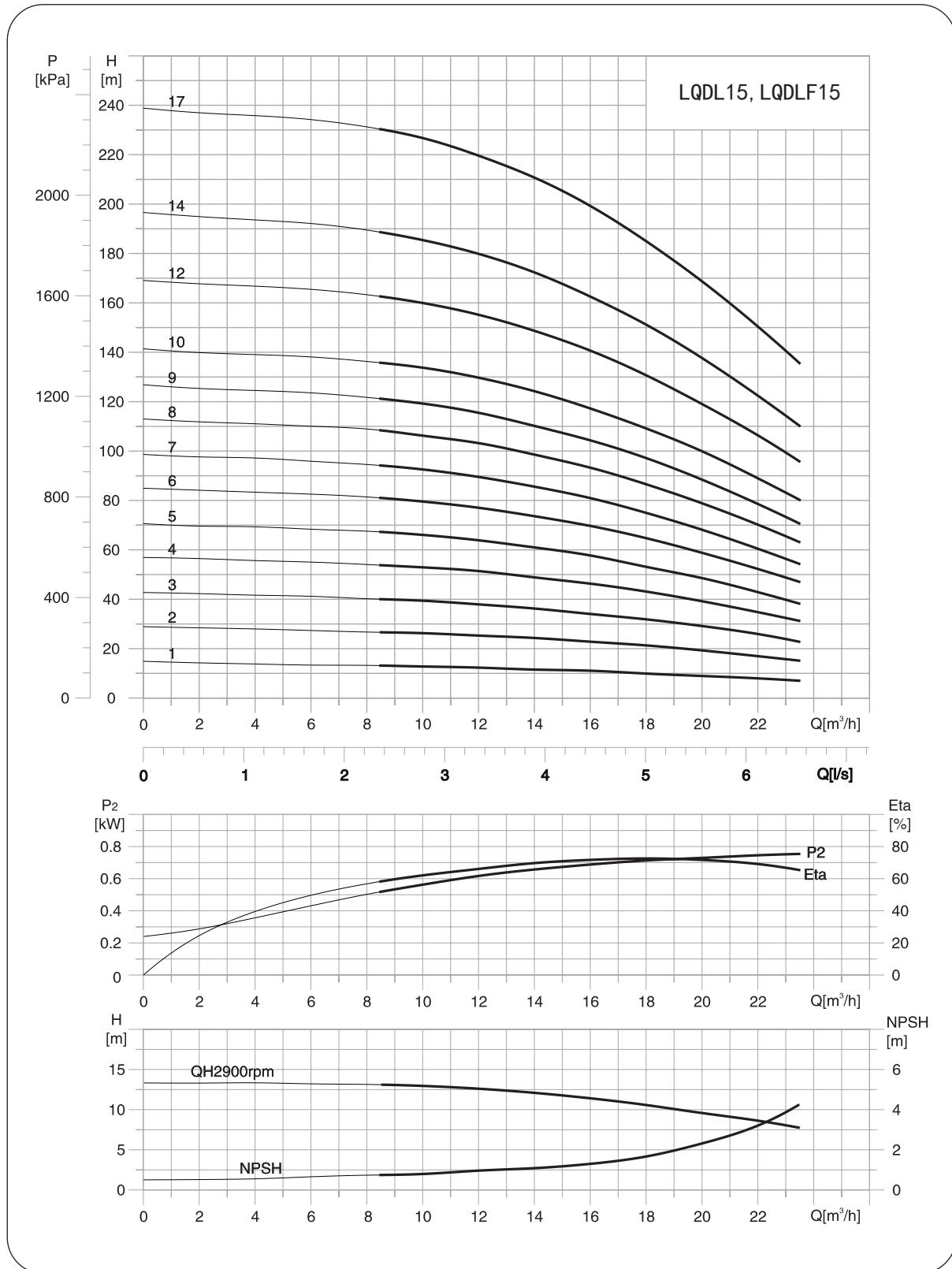
单相电机、隔爆电机外形尺寸有所变动，详情请咨询本公司。

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性能曲线(Performance curves)

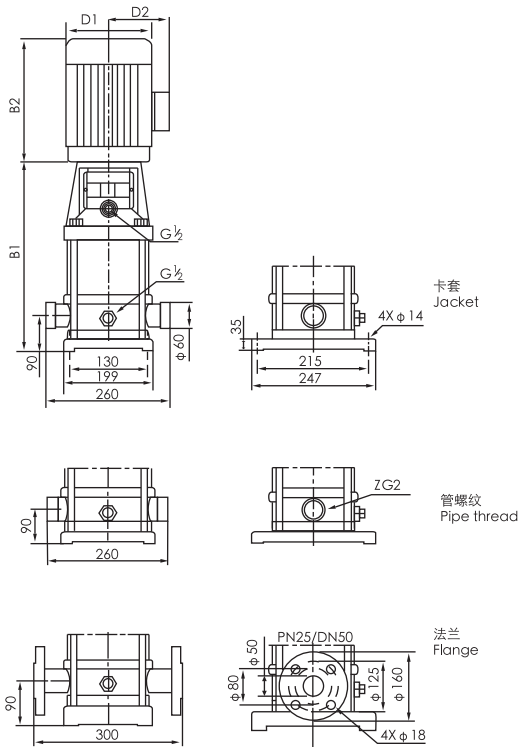
2900rpm



性能表(Performance table)

型号 Model	配电电机 Matching motor (KW)	Q (m ³ /h)	3	6	9	12	15	18	21
LQDL15-1	1.1	H (m)	15	13	13	12	11	10	9
LQDL15-2	2.2		28	27	26	25	23	21	18
LQDL15-3	3.0		42	41	40	38	35	32	28
LQDL15-4	4.0		58	55	55	51	47	43	38
LQDL15-5	4.0		70	68	66	64	58	53	48
LQDL15-6	5.5		83	82	80	77	71	64	58
LQDL15-7	5.5		98	96	94	89	83	75	65
LQDL15-8	7.5		112	110	108	103	96	86	75
LQDL15-9	7.5		125	123	120	115	108	97	84
LQDL15-10	11.0		140	138	136	129	120	109	95
LQDL15-12	11.0		168	165	162	155	142	130	114
LQDL15-14	11.0		194	192	188	180	166	151	130
LQDL15-17	15.0		237	234	230	219	205	185	160

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

型号 Model	尺寸Dimensions (mm)				重量 Weight (kg)
	B1	B1+B2	D1	D2	
LQDL15-1	352	602	150	95	42
LQDL15-2	413	723	168	112	50
LQDL15-3	463	793	194	124	55
LQDL15-4	508	865	212	142	68
LQDL15-5	553	910	212	142	69
LQDL15-6	630	1028	259	164	91
LQDL15-7	675	1073	259	164	93
LQDL15-8	720	1118	259	164	97
LQDL15-9	765	1163	259	164	98
LQDL15-10	887	1392	330	255	141
LQDL15-12	977	1482	330	255	145
LQDL15-14	1067	1572	330	255	148
LQDL15-17	1202	1707	330	255	158

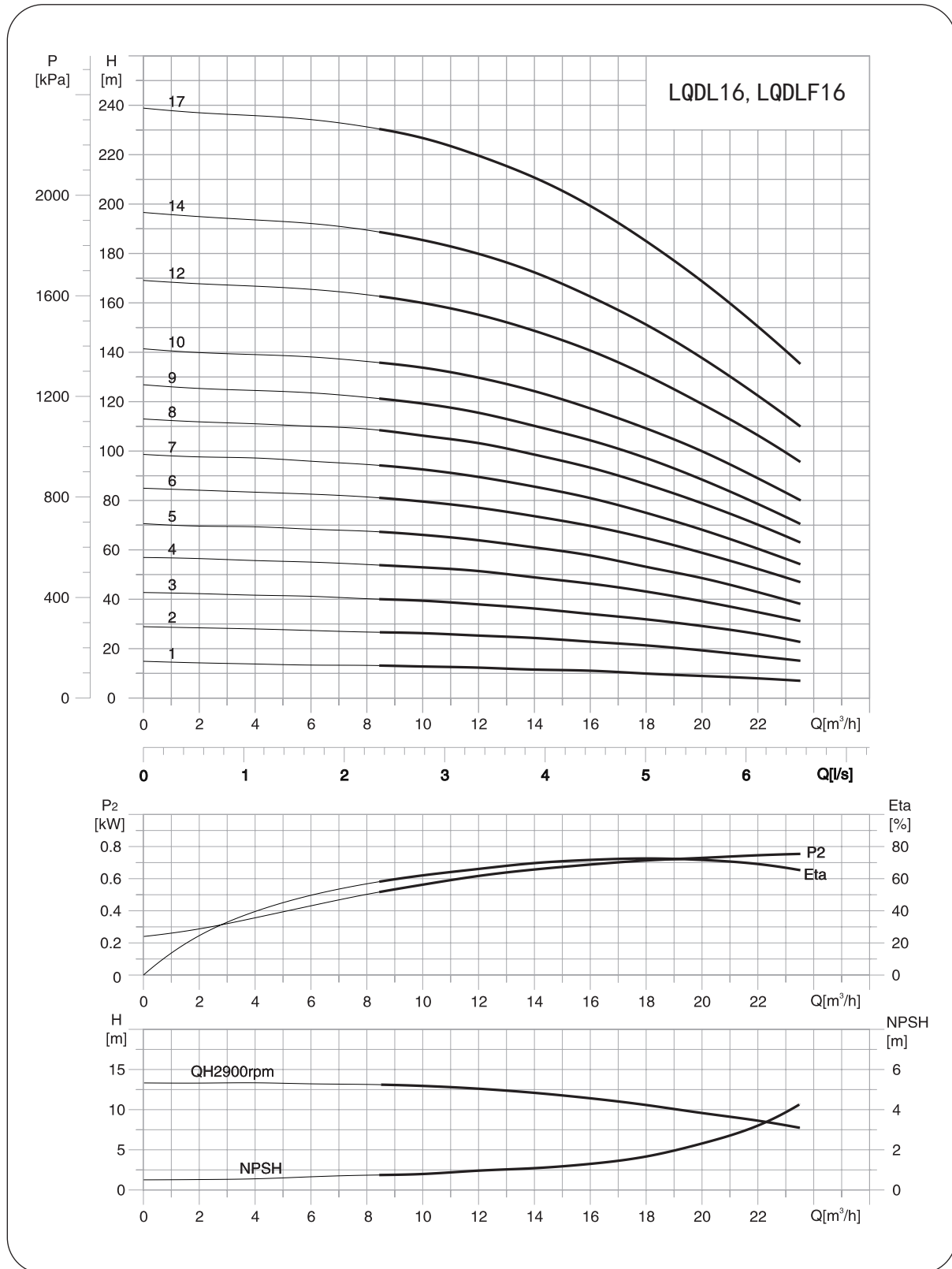
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性能曲线(Performance curves)

2900rpm

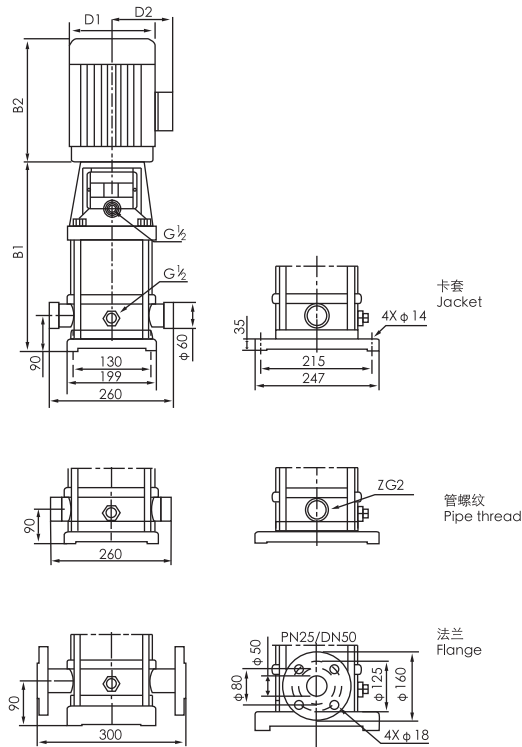


性能表(Performance table)

型号 Model	配电机 Matching motor (KW)	Q (m ³ /h)	3	6	9	12	15	18	21
LQDL16-1	1.1	H (m)	15	13	13	12	11	10	9
LQDL16-2	2.2		28	27	26	25	23	21	18
LQDL16-3	3.0		42	41	40	38	35	32	28
LQDL16-4	4.0		58	55	55	51	47	43	38
LQDL16-5	4.0		70	68	66	64	58	53	48
LQDL16-6	5.5		83	82	80	77	71	64	58
LQDL16-7	5.5		98	96	94	89	83	75	65
LQDL16-8	7.5		112	110	108	103	96	86	75
LQDL16-9	7.5		125	123	120	115	108	97	84
LQDL16-10	11.0		140	138	136	129	120	109	95
LQDL16-12	11.0		168	165	162	155	142	130	114
LQDL16-14	11.0		194	192	188	180	166	151	130
LQDL16-17	15.0		237	234	230	219	205	185	160

安装图(Installation drawing)

尺寸和重量(Dimensions and weight)



型号 Model	尺寸Dimensions (mm)				重量 Weight (kg)
	B1	B1+B2	D1	D2	
LQDL16-1	352	602	150	95	42
LQDL16-2	413	723	168	112	50
LQDL16-3	463	793	194	124	55
LQDL16-4	508	865	212	142	68
LQDL16-5	553	910	212	142	69
LQDL16-6	630	1028	259	164	91
LQDL16-7	675	1073	259	164	93
LQDL16-8	720	1118	259	164	97
LQDL16-9	765	1163	259	164	98
LQDL16-10	887	1392	330	255	141
LQDL16-12	977	1482	330	255	145
LQDL16-14	1067	1572	330	255	148
LQDL16-17	1202	1707	330	255	158

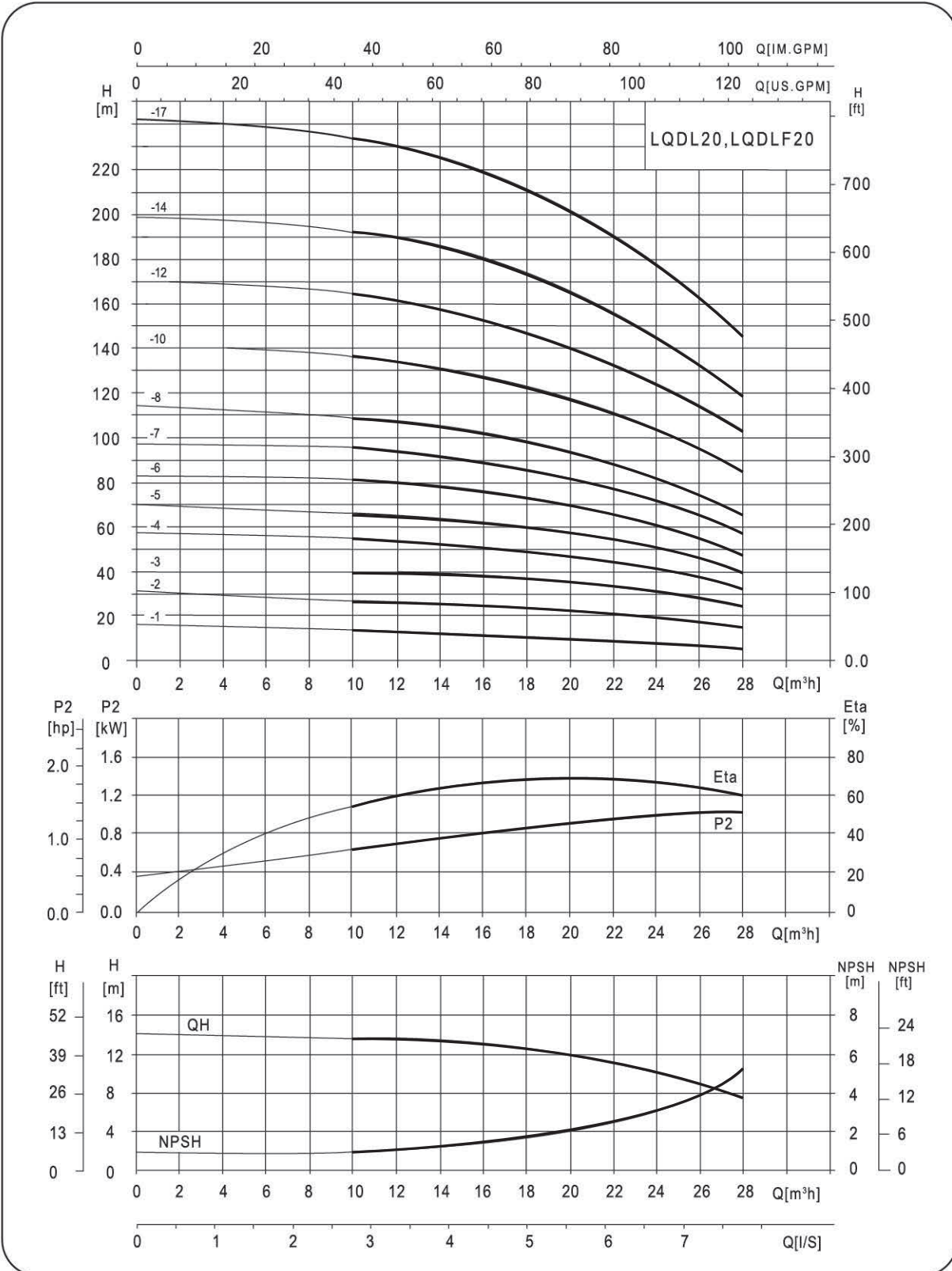
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性能曲线(Performance curves)

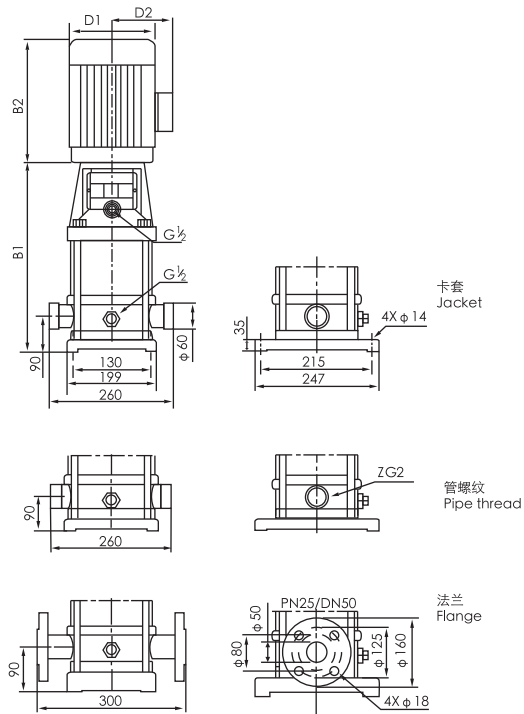
2900rpm



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	10	12	14	16	18	20	22	24	26	28
LQDL 20-1	1.1	H (m)	13.5	13	12.5	12	11	10	9	8	7	6
LQDL 20-2	2.2		27	26.5	26	25	24	23	22	20	18	15
LQDL 20-3	4.0		40	39.5	39	38	37	35	33	30	27	24
LQDL 20-4	5.5		54	53	52	51	49	47	44	41	37	33
LQDL 20-5	5.5		67	66	64	62	60	58	55	50	45	40
LQDL 20-6	7.5		81	79	77	75	73	70	66	61	55	49
LQDL 20-7	7.5		95	93	91	89	86	82	77	71	65	58
LQDL 20-8	11		109	107	105	102	99	94	89	82	75	67
LQDL 20-10	11		136	134	131	128	124	118	111	103	95	85
LQDL 20-12	15		164	162	158	154	149	142	133	124	114	102
LQDL 20-14	15		192	189	185	180	174	166	156	145	133	119
LQDL 20-17	18.5		234	230	225	219	212	202	190	177	162	145

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

型号 Model	尺寸Dimensions (mm)						重量 Weight (kg)
	B1	B2	B1+B2	D1	D2	D3	
LQDL20-1	372	245	617	170	1402	120	33
LQDL20-2	372	290	662	190	155	140	44
LQDL20-3	427	335	762	230	188	160	58
LQDL20-4	517	430	947	260	208	200	73
LQDL20-5	562		897				75
LQDL20-6	627		1057				83
LQDL20-7	672		1102				85
LQDL20-8	717	505	1222	330	255	350	141
LQDL20-10	897		1402				146
LQDL20-12	987		1492				161
LQDL20-14	1077		1582				166
LQDL20-17	1212	560	1772				191

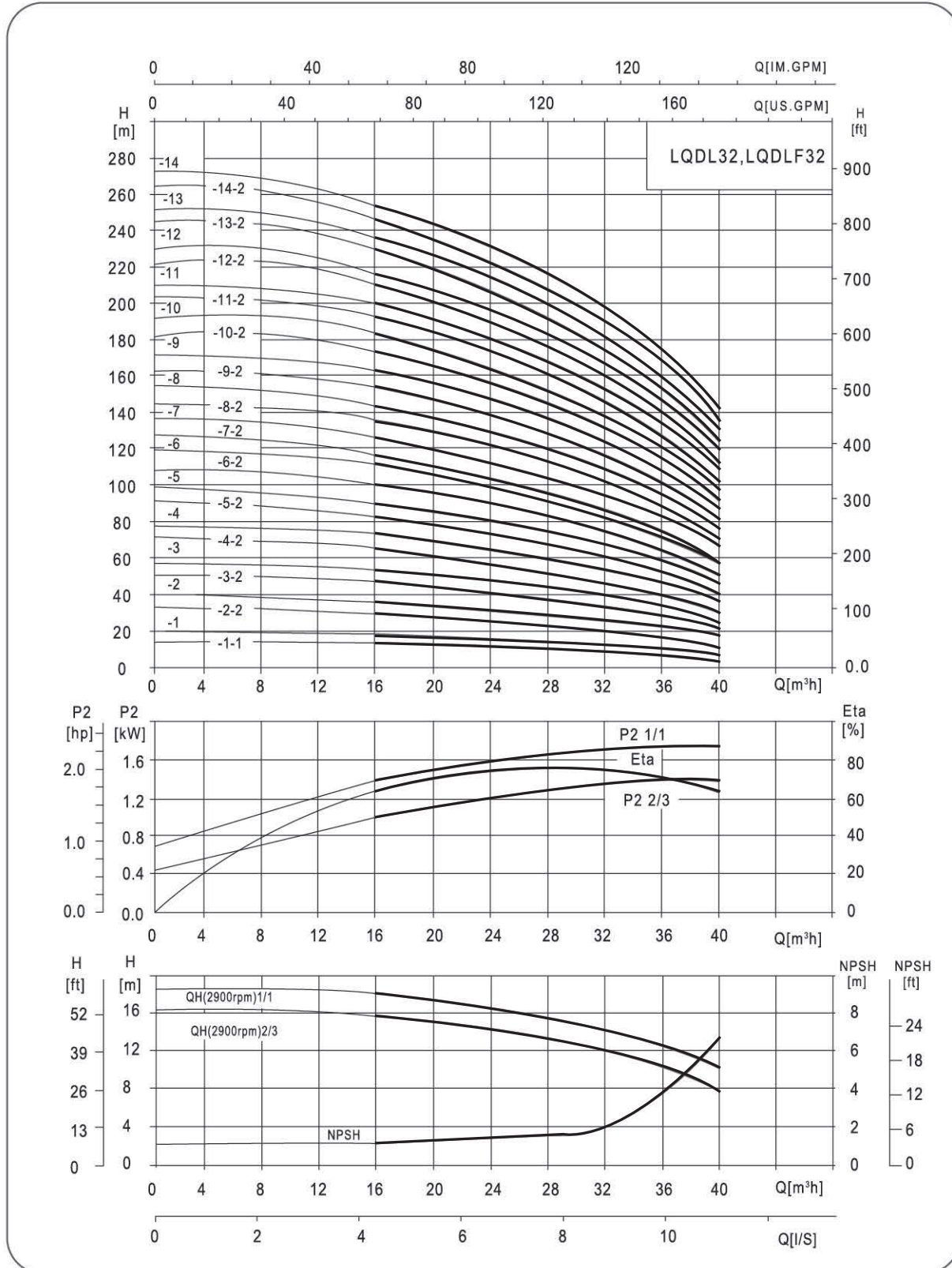
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性能曲线(Performance curves)

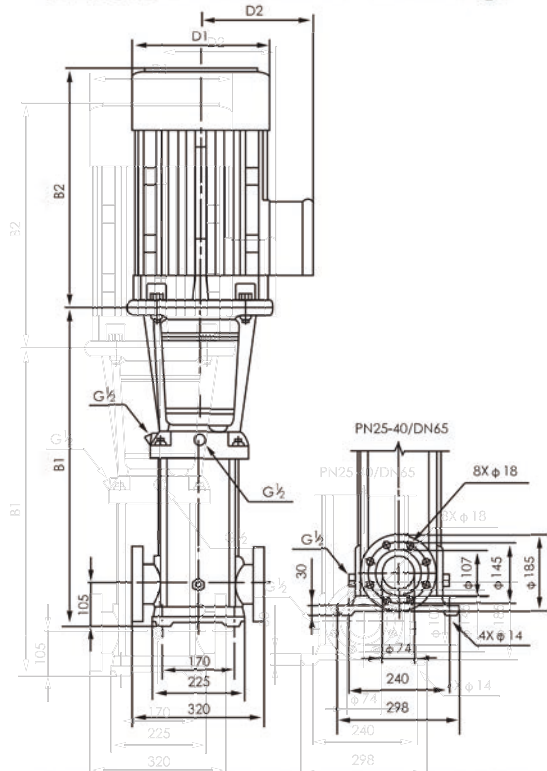
2900rpm



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	16	20	24	28	32	36	40	型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	16	20	24	28	32	36	40
LQDL32-1-1	1.5	H (m)	14	13	12	11	9	7	4	LQDL32-8-2	15	H (m)	136	131	123	114	102	90	71
LQDL32-1	2.2		18	17	15	14	13	11	8	LQDL32-8	15		144	138	130	120	109	97	77
LQDL32-2-2	3.0		29	28	26	23	20	16	11	LQDL32-9-2	18.5		154	148	140	129	117	102	82
LQDL32-2	4.0		36	34	32	29	27	23	18	LQDL32-9	18.5		162	156	147	136	124	109	88
LQDL32-3-2	5.5		47	44	41	38	33	28	21	LQDL32-10-2	18.5		175	166	157	146	131	115	91
LQDL32-3	5.5		54	51	48	44	40	35	27	LQDL32-10	18.5		182	173	164	152	138	122	98
LQDL32-4-2	7.5		65	62	58	53	46	40	30	LQDL32-11-2	22		193	184	173	164	146	128	102
LQDL32-4	7.5		72	69	65	59	53	47	37	LQDL32-11	22		200	191	180	168	153	135	109
LQDL32-5-2	11		83	79	74	68	60	52	41	LQDL32-12-2	22		211	201	189	178	160	140	113
LQDL32-5	11		90	86	81	74	67	59	47	LQDL32-12	22		218	208	196	184	167	147	120
LQDL32-6-2	11		101	97	90	83	74	65	51	LQDL32-13-2	30		230	218	206	193	174	153	124
LQDL32-6	11		108	104	97	90	81	72	57	LQDL32-13	30		237	225	213	200	181	160	131
LQDL32-7-2	15		119	114	107	98	88	78	60	LQDL32-14-2	30		247	235	222	210	189	165	135
LQDL32-7	15		126	121	113	105	95	85	67	LQDL32-14	30		255	242	229	216	196	172	142

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

型号	尺寸Dimensions (mm)						重量 Weight (kg)
	B1	B2	B1+B2	D1	D2	D3	
LQDL32-1-1/32-1	513	290	803	190	150	140	67/70
LQDL32-2-2/32-2	583	325/35	908/918	197/230	165/188	160	77/83
LQDL32-3-2/32-3	653	430	1083	260	208	200	92
LQDL32-4-2/32-4	723		1153				101
LQDL32-5-2/32-5	893	505	1398	330	255	350	177
LQDL32-6-2/32-6	963		1468				175
LQDL32-7-2/32-7	1033		1528				187
LQDL32-8-2/32-8	1103		1608				191
LQDL32-9-2/32-9	1173	560	1733	360	285	350	220
LQDL32-10-2/32-10	1243		1803				223
LQDL32-11-2/32-11	1313	590	1903	400	310	400	260
LQDL32-12-2/32-12	1383		1973				263
LQDL32-130-2/32-130	1453	660	2113	400	310	400	328
LQDL32-140-2/32-140	1523		2183				332

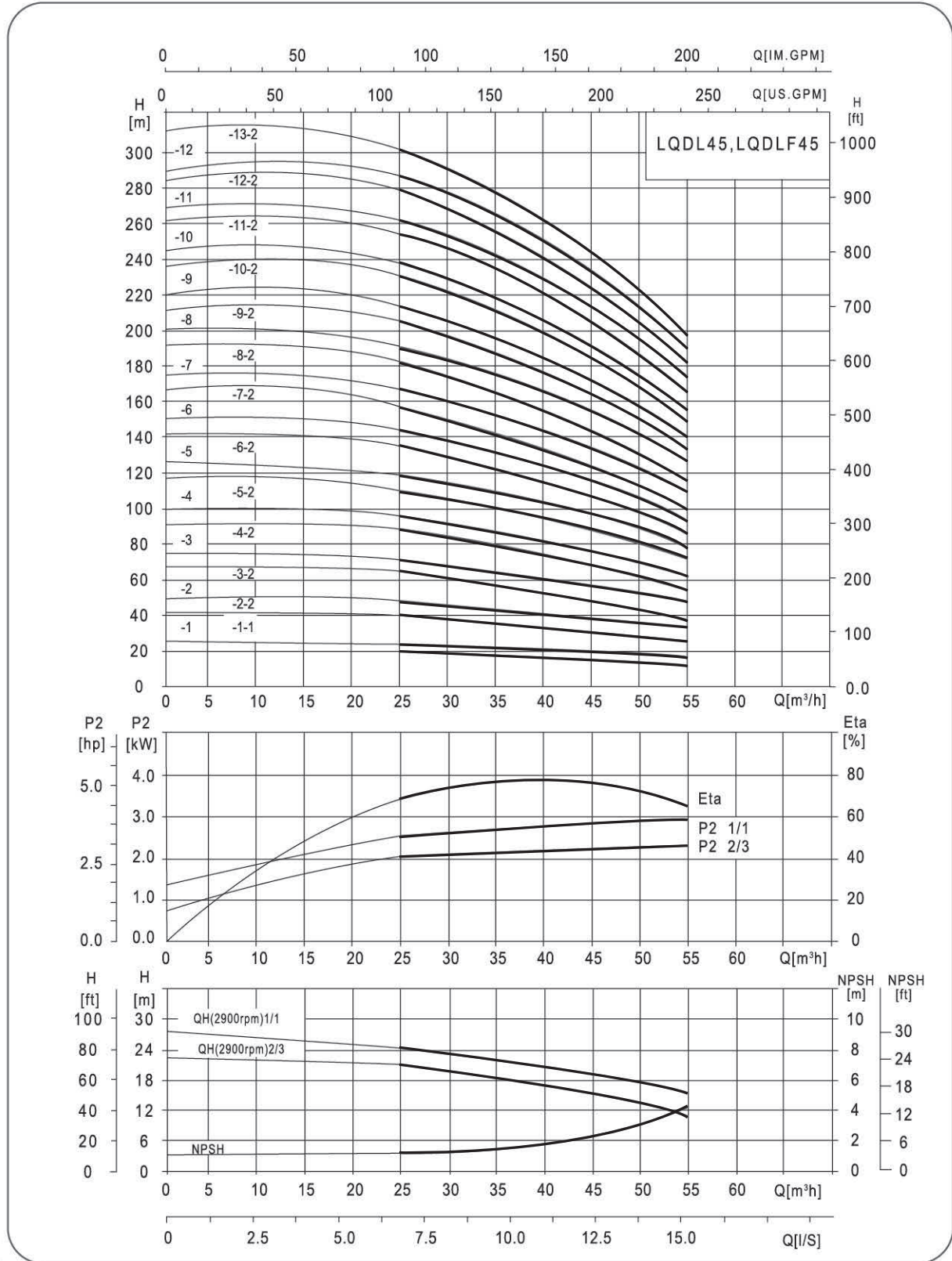
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性能曲线(Performance curves)

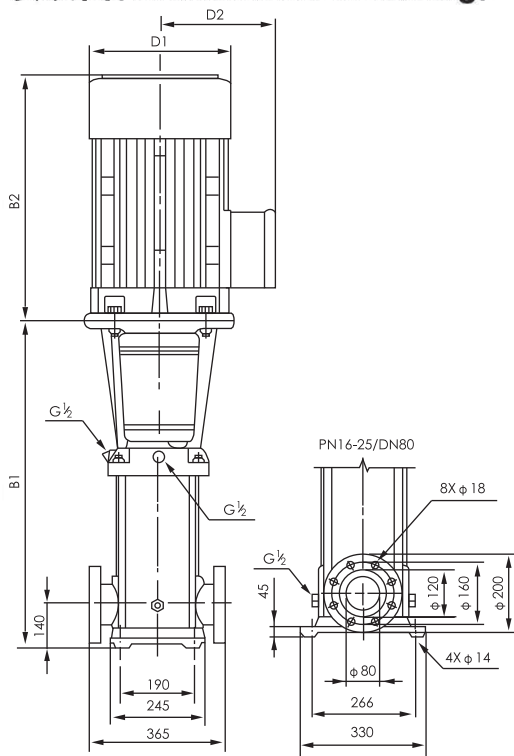
2900rpm



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	25	30	35	40	42	45	50	55
LQDL45-1-1	3.0	H (m)	20	19	18	17	16	15	13	11
LQDL45-1	4.0		24	23	22	21	20	19	18	16
LQDL45-2-2	5.5		40	38	36	33	32	30	27	23
LQDL45-2	7.5		48	46	44	42	41	39	35	31
LQDL45-3-2	11		63	61	58	54	52	50	44	38
LQDL45-3	11		71	69	66	63	61	58	53	47
LQDL45-4-2	15		87	84	80	75	73	69	62	54
LQDL45-4	15		95	92	88	84	81	78	71	62
LQDL45-5-2	18.5		111	107	102	96	93	88	80	69
LQDL45-5	18.5		119	115	110	105	101	97	88	78
LQDL45-6-2	22		135	130	124	117	113	108	97	85
LQDL45-6	22		143	138	132	125	122	116	106	93
LQDL45-7-2	30		158	152	146	138	134	127	115	100
LQDL45-7	30		166	161	154	146	142	135	124	109
LQDL45-8-2	30		182	175	168	159	154	146	133	116
LQDL45-8	30		190	184	176	167	162	154	141	124
LQDL45-9-2	30		205	198	190	180	174	166	150	132
LQDL45-9	37		214	207	198	188	183	174	159	140
LQDL45-10-2	37		230	221	212	200	194	185	168	147
LQDL45-10	37		238	230	220	209	203	193	177	155
LQDL45-11-2	45		255	246	236	223	217	206	188	165
LQDL45-11	45		263	255	244	232	225	214	196	173
LQDL45-12-2	45		280	270	259	245	238	226	206	181
LQDL45-12	45		289	280	268	255	247	236	216	190
LQDL45-13-2	45		305	294	282	267	259	247	225	198

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

型号 Model	尺寸Dimensions (mm)						重量 Weight (kg)
	B1	B2	B1+B2	D1	D2	D3	
LQDL45-1-1/45-1	560	325/335	885/900	197/230	165/188	160	85/91
LQDL45-2-2/45-2	640	430	1070	260	208	200	101/106
LQDL45-3-2/45-3	820	505	1325	330	255	350	176
LQDL45-4-2/45-4	900		1405				188
LQDL45-5-2/45-5	980	560	1540	209			
LQDL45-6-2/45-6	1060	590	1650	360	285		252
LQDL45-7-2/45-7	1140	660	1800	400	310	400	314
LQDL45-8-2/45-8	1220		1880				318
LQDL45-9-2/45-9	1300		1960				322/342
LQDL45-10-2/45-10	1380		2040				346
LQDL45-11-2/45-11	1490		2190				412
LQDL45-12-2/45-12	1570	700	2270	460	340	450	416
LQDL45-13-2/45-13	1650		2350				420

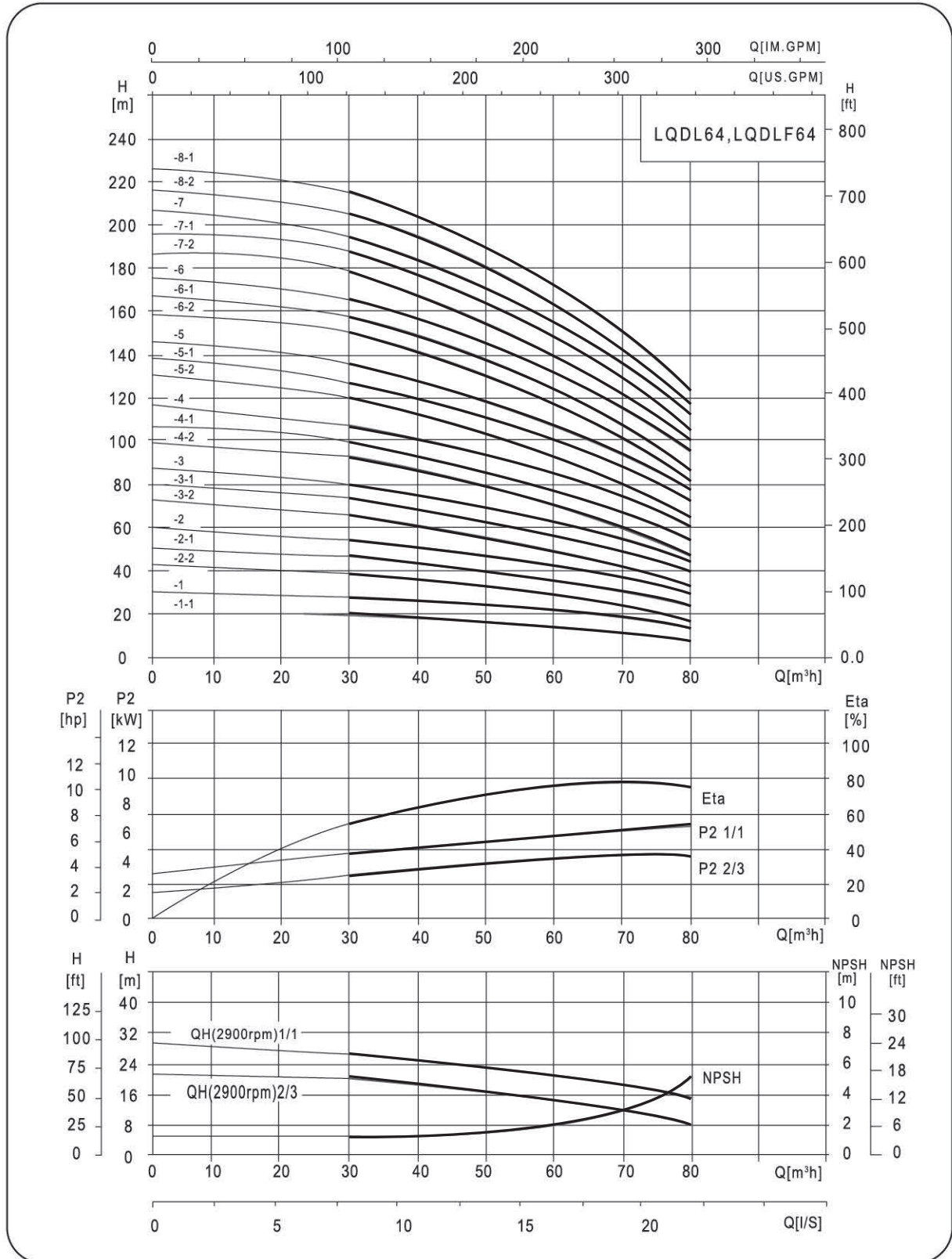
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性能曲线(Performance curves)

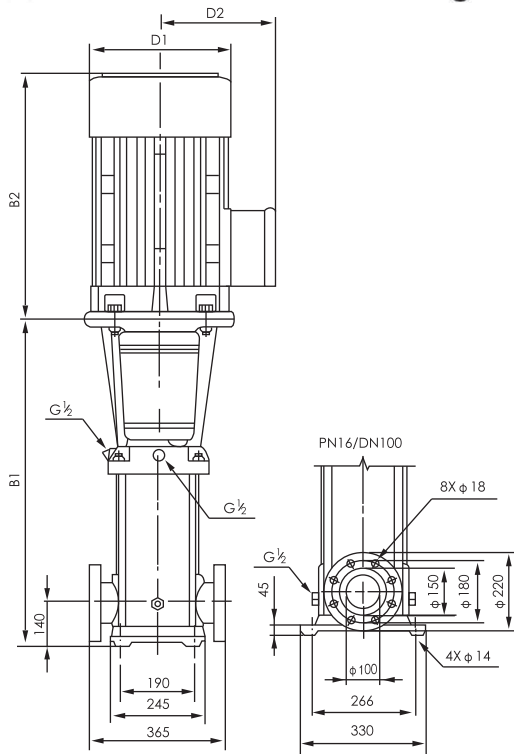
2900rpm



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	30	40	50	60	65	70	80
LQDL64-1-1	4.0	H (m)	19	18	16	14	13	11	8
LQDL64-1	5.5		27	25	23	21	20	18	15
LQDL64-2-2	7.5		39	36	33	29	26	23	17
LQDL64-2-1	11		46	44	40	36	33	30	24
LQDL64-2	11		53	51	47	43	40	37	30
LQDL64-3-2	15		66	62	56	50	46	41	32
LQDL64-3-1	15		73	69	63	57	53	48	39
LQDL64-3	18.5		80	76	70	64	60	55	46
LQDL64-4-2	18.5		92	87	80	71	66	60	47
LQDL64-4-1	22		100	94	87	78	73	67	54
LQDL64-4	22		107	101	94	85	80	74	61
LQDL64-5-2	30		121	114	105	95	88	80	64
LQDL64-5-1	30		128	121	112	102	95	87	71
LQDL64-5	30		136	129	119	109	102	94	78
LQDL64-6-2	30		150	142	131	118	110	101	81
LQDL64-6-1	37		157	149	138	125	117	108	88
LQDL64-6	37		164	156	145	132	124	115	95
LQDL64-7-2	37		179	169	156	141	132	121	99
LQDL64-7-1	37		186	176	163	148	139	128	106
LQDL64-7	45		193	183	170	155	146	135	112
LQDL64-8-2	45	207	196	182	164	154	142	116	
LQDL64-8-1	45	215	203	189	171	161	149	123	

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

型号 Model	尺寸Dimensions (mm)						重量Weight (kg)
	B1	B2	B1+B2	D1	D2	D3	
LQDL64-1-1	576	210	911	230	188	160	106
LQDL64-1		430	1006	260	208	200	111
LQDL64-2-2	1008		121				
LQDL64-2-1	758	505	1263	330	255	350	156
LQDL64-2			1345				196
LQDL64-3-2	840	560	1400	360	285	350	207
LQDL64-3-1			1482				210
LQDL64-3	922	590	1512	400	310	400	261
LQDL64-4-1			1664				346
LQDL64-4	1004	660	1746	460	340	450	351
LQDL64-5-2			1828				371
LQDL64-5-1	1086	660	1828	460	340	450	376
LQDL64-5			1908				437
LQDL64-6-2	1168	710	1908	460	340	450	437
LQDL64-6-1			1990				443
LQDL64-6	1280	710	1990	460	340	450	443
LQDL64-7-2			1990				443
LQDL64-7-1	1198	710	1908	460	340	450	437
LQDL64-7			1908				437
LQDL64-8-2	1280	710	1990	460	340	450	443
LQDL64-8-1			1990				443
LQDL64-8	1280	710	1990	460	340	450	443

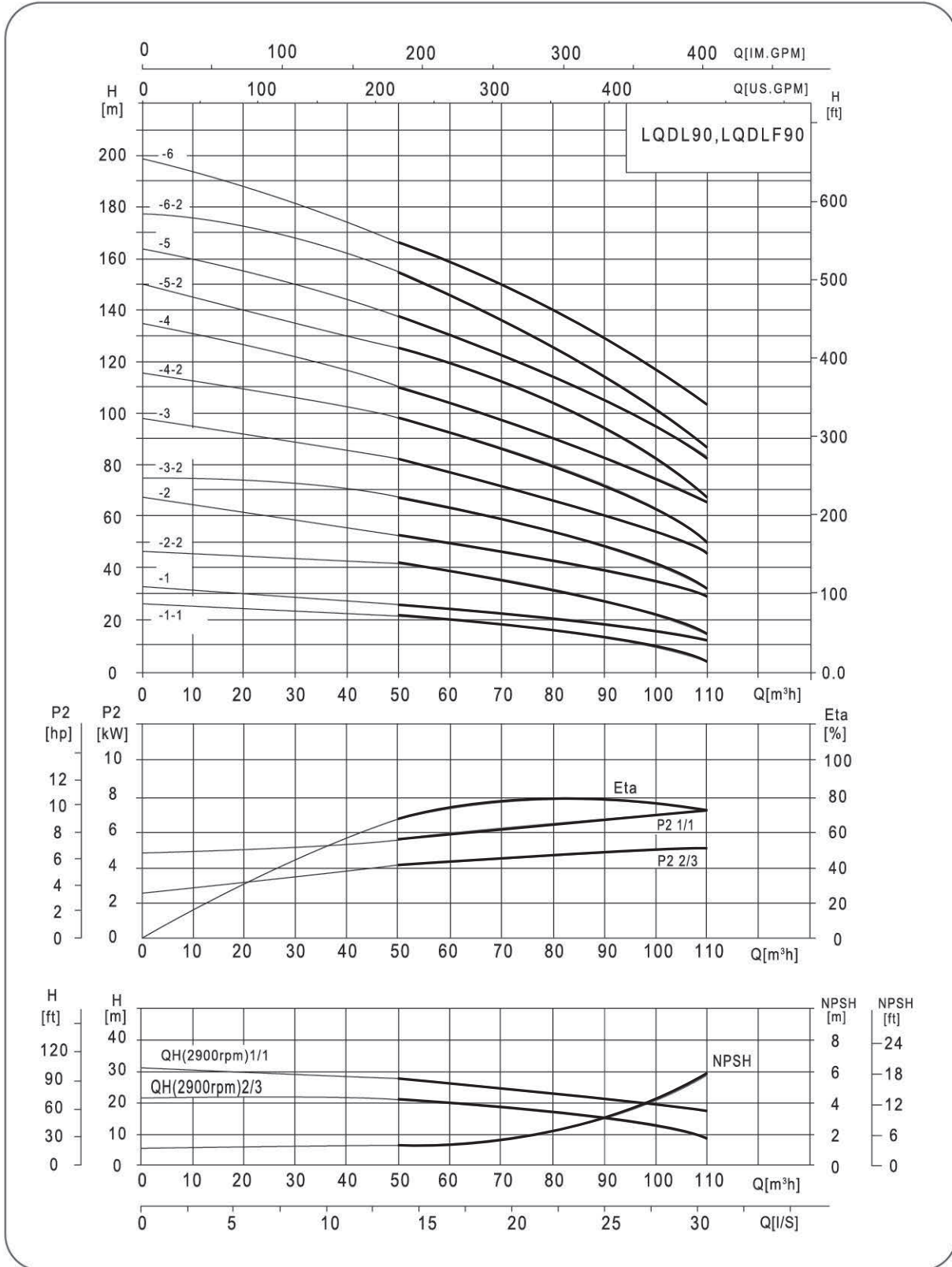
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性能曲线(Performance curves)

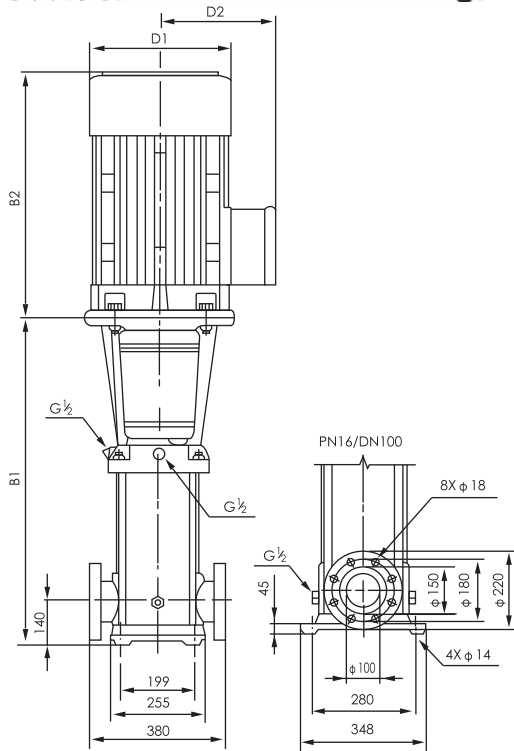
2900rpm



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	50	60	70	80	85	90	100	110
LQDL90-1-1	5.5	H (m)	22	19	17	16	14	13	10	6
LQDL90-1	7.5		25	24	22	21	20	19	16	12
LQDL90-2-2	11		41	39	36	32	30	28	22	15
LQDL90-2	15		53	50	47	44	41	40	36	30
LQDL90-3-2	18.5		68	65	60	55	52	49	41	32
LQDL90-3	22		81	77	72	67	64	62	55	48
LQDL90-4-2	30		98	93	87	80	75	72	62	50
LQDL90-4	30		110	105	100	92	86	84	76	66
LQDL90-5-2	37		126	120	113	104	98	93	81	68
LQDL90-5	37		139	131	124	115	110	106	94	83
LQDL90-6-2	45		155	148	139	129	122	117	102	86
LQDL90-6	45		168	160	150	141	134	130	117	103

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

型号 Model	尺寸Dimensions (mm)						重量 Weight (kg)
	B1	B2	B1+B2	D1	D2	D3	
LQDL90-1-1	587	430	1017	260	208	200	122
LQDL90-1							124
LQDL90-2-2	779	505	1284	330	255	350	167
LQDL90-2							200
LQDL90-3-2	871	560	1431	360	285	350	214
LQDL90-3		590	1461				268
LQDL90-4-2	963	660	1623	400	310	400	350
LQDL90-4							377
LQDL90-5-2	1055	700	1715	460	340	450	377
LQDL90-5							440
LQDL90-6-2	1177	700	1887	460	340	450	440
LQDL90-6							440

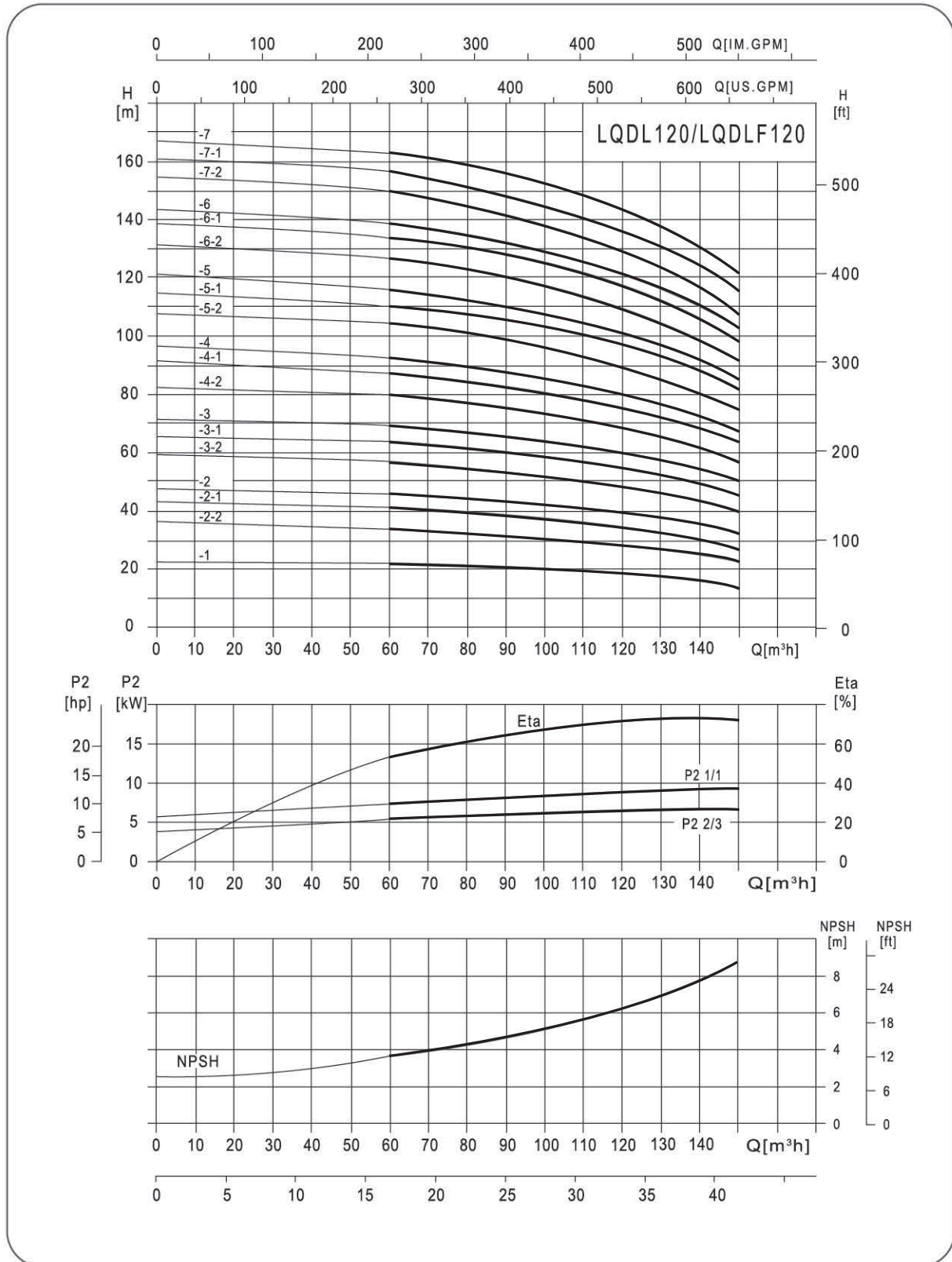
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性能曲线(Performance curves)

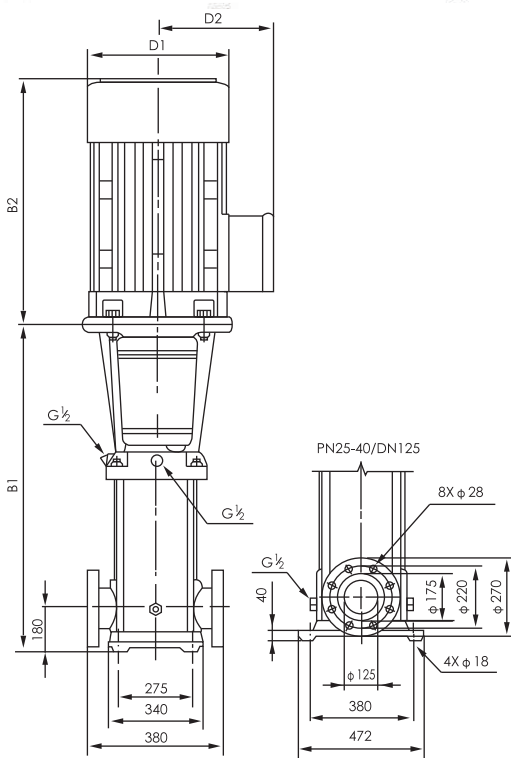
2950rpm



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	60	70	80	90	100	110	120	130	140	150
LQDL 120-1	11	H (m)	22	21.8	21.6	21	20.5	19.5	18.5	17	16	15
LQDL 120-2-1	18.5		41	40	39.5	38.5	37	36.5	34.5	32.5	30	27.5
LQDL 120-2	22		46	45	44.5	43.5	42.4	41	40	38	36	33.5
LQDL 120-3	30		69.5	68.5	67.5	66	64.4	62.5	61	57.5	54.5	51
LQDL 120-4-1	37		87	86	84.5	82	80	78	76	72	68	64.5
LQDL 120-5-1	45		110.5	109	107.5	105	102	100	97	92	86.5	83
LQDL 120-6-1	55		134	132	130.5	127	124	121	118	111	105	100
LQDL 120-7	75		162.5	160.5	158.5	155	151	148	145	137	129	123

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

型号 Model	尺寸Dimensions (mm)					重量Weight (kg)
	B1	B2	B1+B2	D1	D2	
LQDL 120-1	840	490	1330	330	255	230
LQDL 120-2-1	1000	550	1550	330	255	250
LQDL 120-2	1000	590	1590	360	285	285
LQDL 120-3	1160	660	1820	400	310	360
LQDL 120-4-1	1320	660	1980	400	310	400
LQDL 120-5-1	1480	700	2180	460	340	470
LQDL 120-6-1	1670	770	2440	540	370	585
LQDL 120-7	1830	845	2675	580	410	715

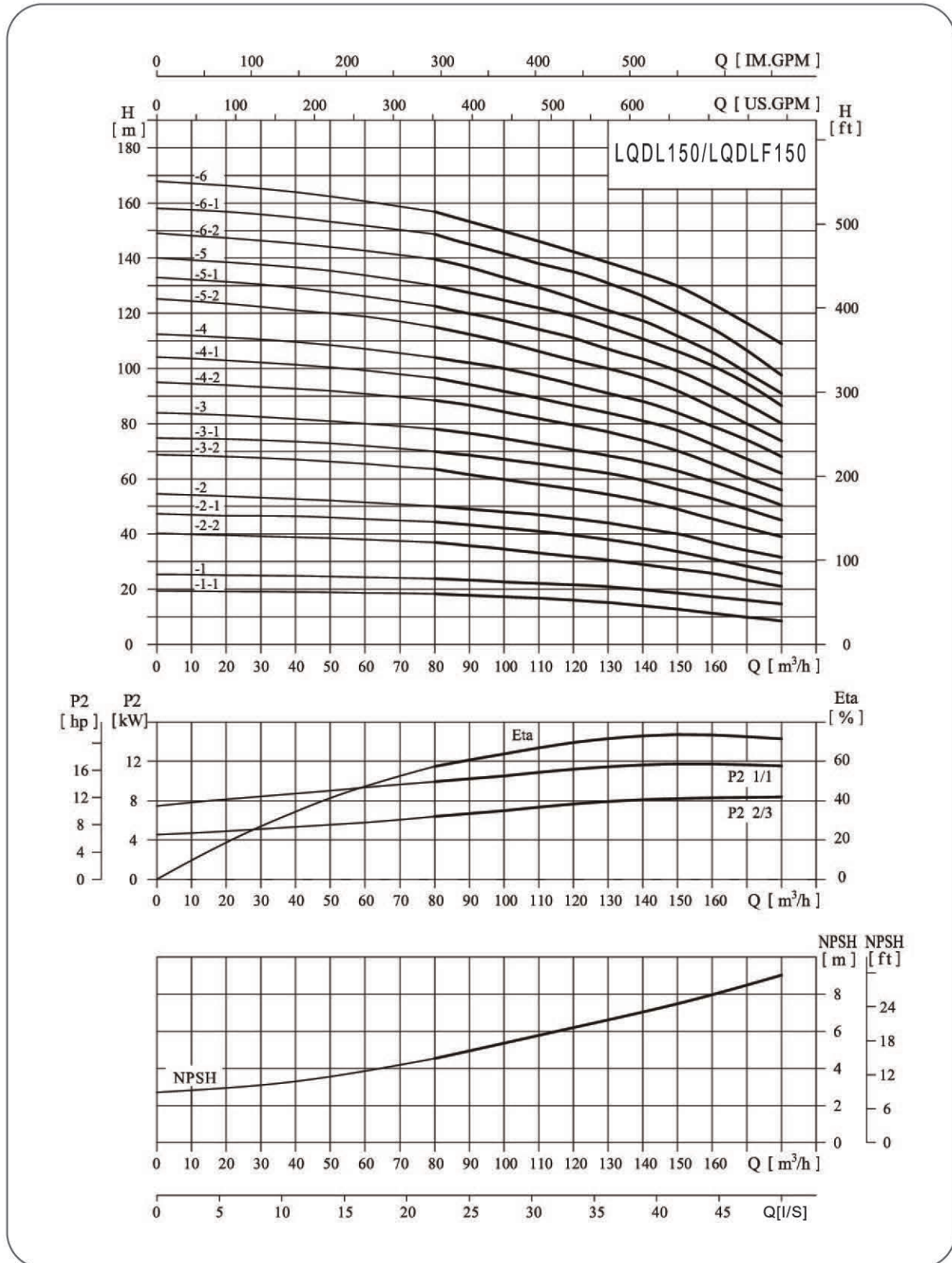
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性能曲线(Performance curves)

2950rpm

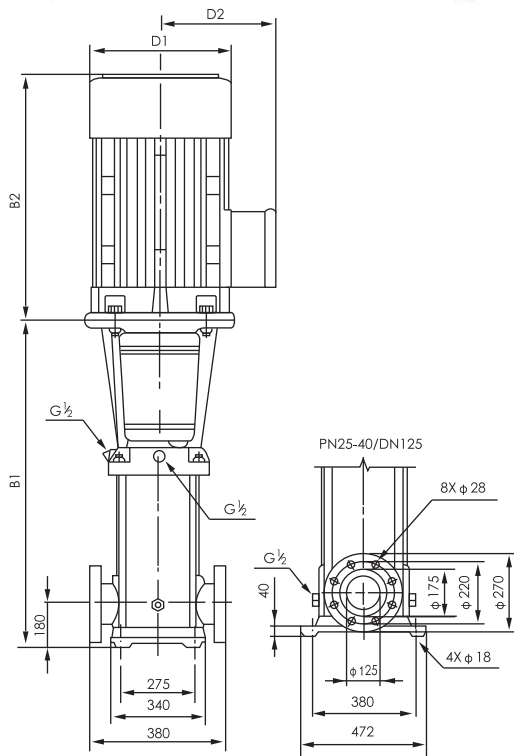


性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	80	90	100	110	120	130	140	150	160	170	180
LQDL 150-1-1	11	H (m)	18.3	17.8	17.3	17	16	15	14	12.5	11	10	8.5
LQDL 150-1	15		24	23	22.5	22	21.5	20.5	20	18.5	17	16	15
LQDL 150-2-1	22		44.3	43	42	40	39	38.5	37.5	35	33	30	27
LQDL 150-3-2	30		63.5	61	59	57.5	56	54.5	53	49	45.5	42	39
LQDL 150-3	37		78	76.5	75	73	70.5	68	66	63	59	55	50.5
LQDL 150-4-1	45		96.5	94	91.5	89	86.5	84	81.5	77	72.5	67	62
LQDL 150-5-2	55		115.5	112	109	106	102.5	100	97	92	86	79	73.5
LQDL 150-6	75		157	153	149	145	142	139.5	137	130	123.5	116	109

安装图(Installation drawing)

尺寸和重量(Dimensions and weight)



型号 Model	尺寸Dimensions (mm)					重量Weight (kg)
	B1	B2	B1+B2	D1	D2	
LQDL 150-1-1	840	490	1330	330	255	230
LQDL 150-1	840	490	1330	330	255	235
LQDL 150-2-1	1000	590	1590	360	285	295
LQDL 150-3-2	1160	660	1820	400	310	360
LQDL 150-3	1160	660	1820	400	310	385
LQDL 150-4-1	1320	700	2020	460	340	460
LQDL 150-5-2	1510	770	2280	540	370	570
LQDL 150-6	1670	845	2515	580	410	700

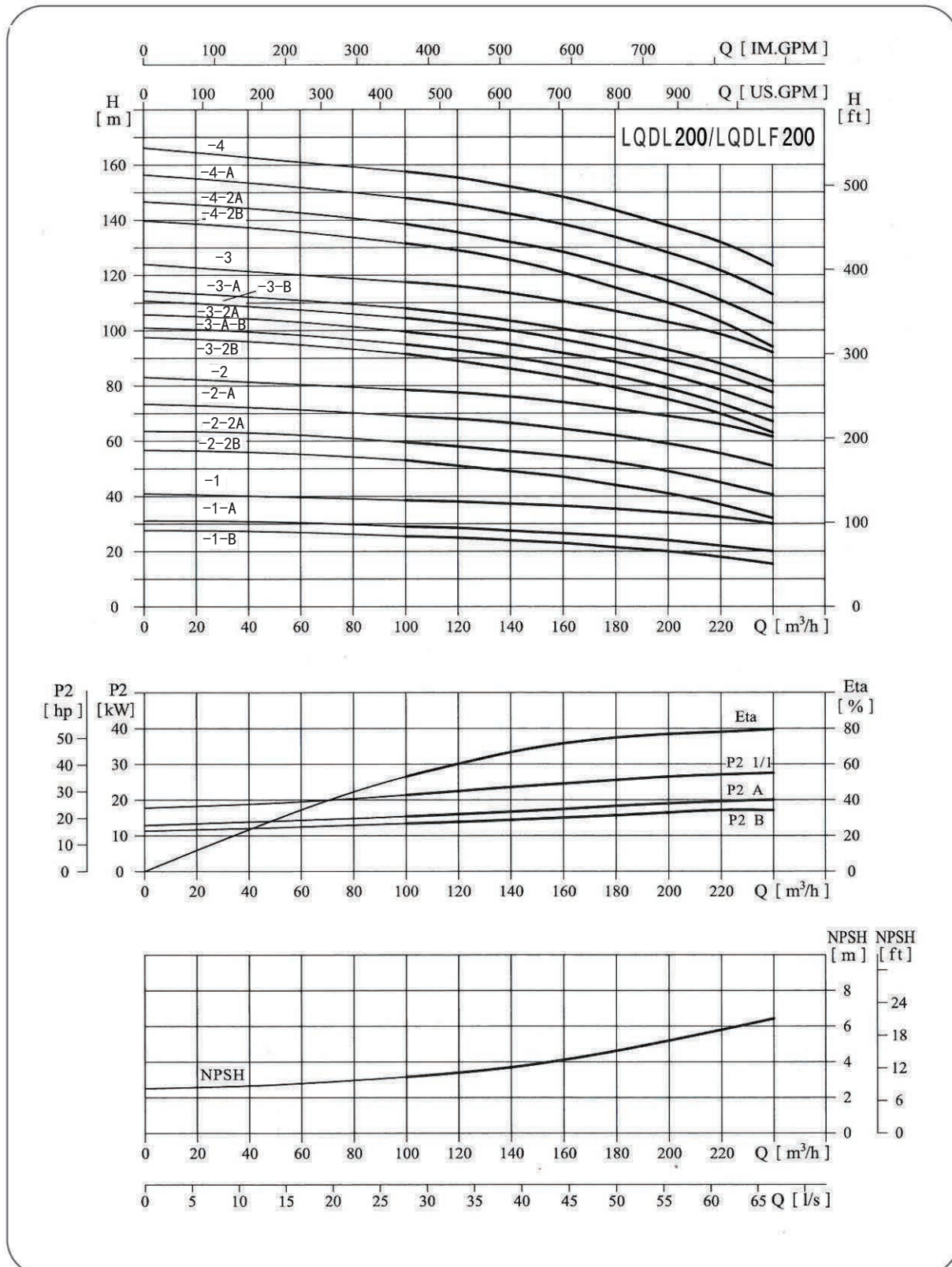
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性能曲线(Performance curves)

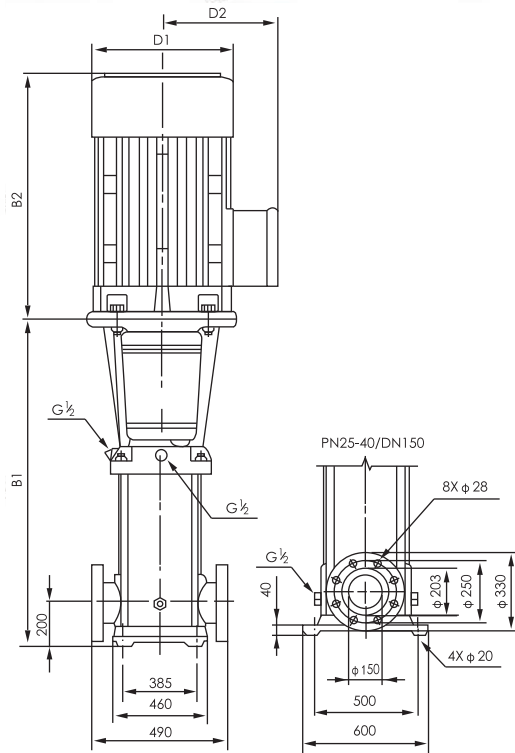
2950rpm



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	100	120	140	160	180	200	220	240
LQDL 200-1-B	18.5	H (m)	25.5	25	24	23	21.5	20	18	15.5
LQDL 200-1-A	22		29	28.5	27.5	26.5	25.5	24	22	20
LQDL 200-1	30		38.5	38	37.5	36.5	35	34	32.5	30
LQDL 200-2-2B	37		53	51	49	47	44	41	37	32
LQDL 200-2-2A	45		59.5	58	56	54	52.5	49	44.5	40.5
LQDL 200-2-A	55		69	68	66	64	62	59	55.5	51
LQDL 200-2	55		78.5	77.5	76	74	71.5	69	66	61.5
LQDL 200-3-2B	75		91.5	89	86.5	83.5	79	75	70	63
LQDL 200-3-A-B	75		95	93	90	87	83.5	79	73.5	67
LQDL 200-3-2A	75		99.5	97.5	94.5	91.5	89	84	78.5	72
LQDL 200-3-B	75		104.5	102.5	100	97	93	89	84.5	77.5
LQDL 200-3-A	75		108	106	103.5	100.5	97.5	93	88	81.5
LQDL 200-3	90		117.5	116	113.5	110.5	107	103	99	92
LQDL 200-4-2B	90		131.5	129	125.5	121	115.5	110	103.5	94
LQDL 200-4-2A	110		138.5	136	132	128	124	118	111	102.5
LQDL 200-4-A	110		148	145.5	142.5	138	134	128	122	113
LQDL 200-4	110		157.5	155.5	152.5	148	143.5	138	132.5	123.5

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

型号 Model	尺寸Dimensions (mm)					重量Weight (kg)
	B1	B2	B1+B2	D1	D2	
LQDL 200-1-B	907	550	1457	330	255	311
LQDL 200-1-A	907	575	1482	360	285	347
LQDL 200-1	907	650	1557	400	310	403
LQDL 200-2-2B	1101	650	1751	400	310	447
LQDL 200-2-2A	1101	685	1786	460	340	504
LQDL 200-2-A	1131	760	1891	540	370	595
LQDL 200-2	1131	760	1891	540	370	595
LQDL 200-3-2B	1325	845	2170	580	410	748
LQDL 200-3-A-B	1325	845	2170	580	410	748
LQDL 200-3-2A	1325	845	2170	580	410	748
LQDL 200-3-B	1325	845	2170	580	410	748
LQDL 200-3-A	1325	845	2170	580	410	748
LQDL 200-3	1325	895	2220	580	410	817
LQDL 200-4-2B	1519	895	2414	580	410	830
LQDL 200-4-2A	1519	1140	2659	645	550	1180
LQDL 200-4-A	1519	1140	2659	645	550	1180
LQDL 200-4	1519	1140	2659	645	550	1180

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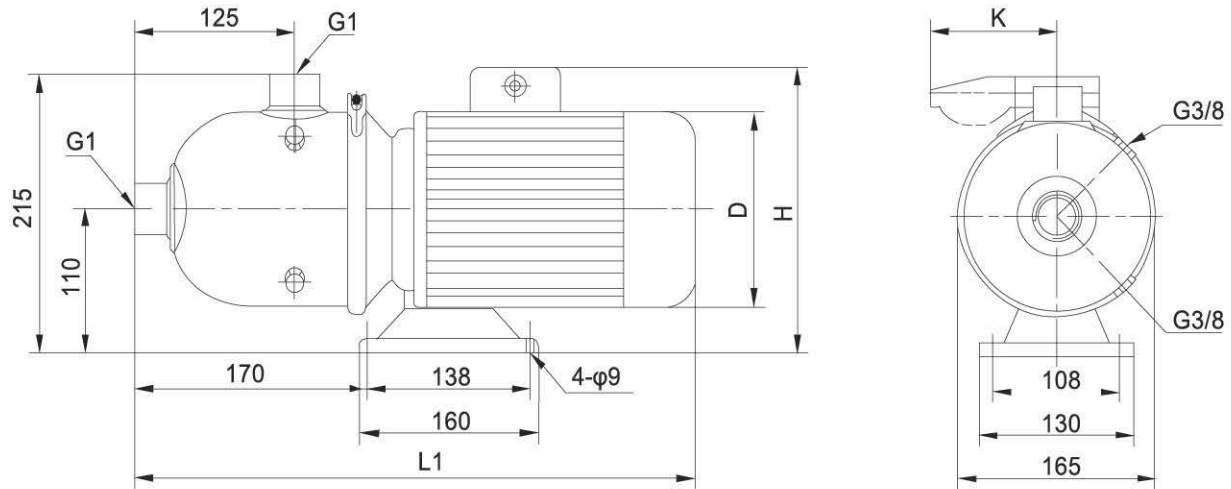
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性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5
LQDWF2-2	0.37	H (m)	19	18	16	14	13	11	9
LQDWF2-3	0.37		28	27	24	21	20	17	14
LQDWF2-4	0.55		36	34	32	28	26	23	17
LQDWF2-5	0.55		46	43	40	35	33	28	22
LQDWF2-6	0.75		54	50	48	42	38	33	25

安装图(Installation drawing)



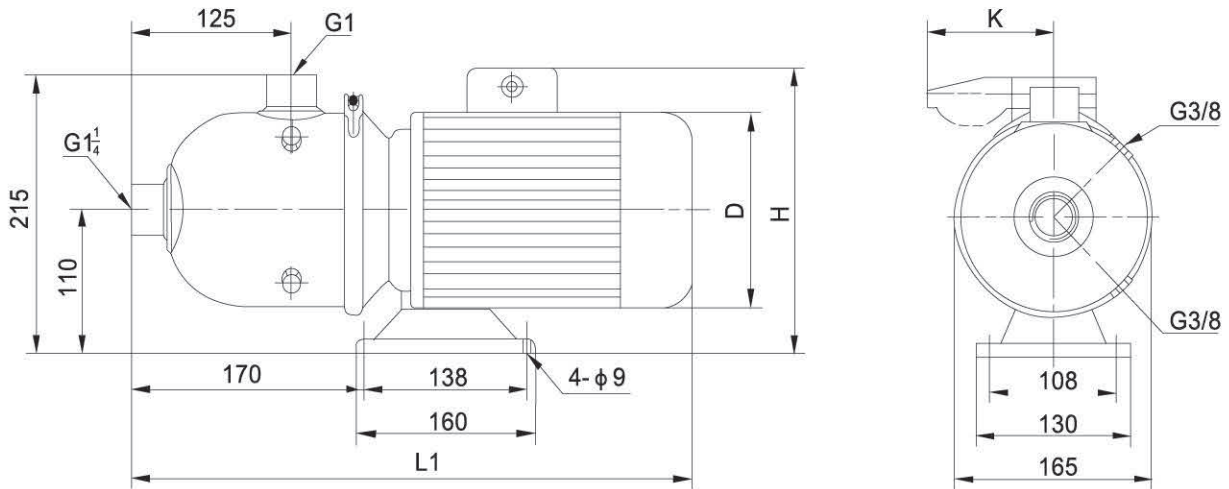
尺寸和重量(Dimensions and weight)

电机 Motor	型号 Model	尺寸Dimensions (mm)				重量Weight (kg)
		L1	D	H	K	
三相/单相 Three-phase/ single-phase	LQDWF2-2	407	145	215/230	/96	13
	LQDWF2-3	407	145	215/230	/96	13
	LQDWF2-4	407	145	215/230	/96	13
	LQDWF2-5	407	145	215/230	/96	13
	LQDWF2-6	446	170	225/245	/100	15

性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	1	2	3	4	5	6	7
LQDWF4-2	0.37	H (m)	19	18	16	15	13	10	7
LQDWF4-3	0.55		28	27	24	22	19	15	10
LQDWF4-4	0.75		38	36	32	30	26	20	14

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

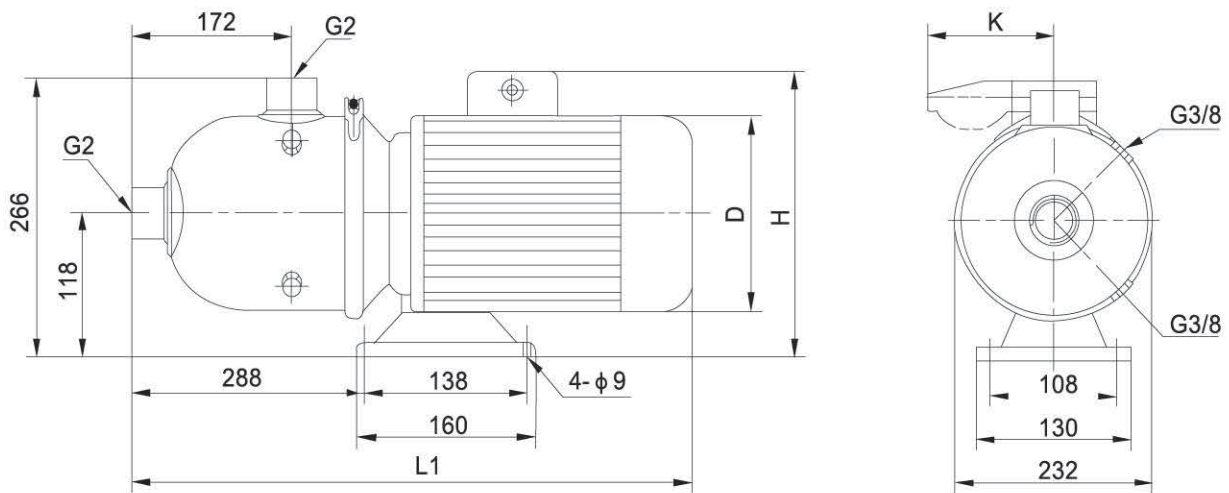
电机 Motor	型号 Model	尺寸Dimensions (mm)				重量Weight (kg)
		L1	D	H	K	
三相/单相 Three-phase/ single-phase	LQDWF4-2	407	145	215/230	/96	12
	LQDWF4-3	446	170	225/245	/100	15
	LQDWF4-4	446	170	225/245	/100	15



性能表(Performance table)

型号 Model	配用电机 Matching motor (kW)	Q (m ³ /h)	5	6	7	8	9	10	11
LQDWF8-1	0.75	H (m)	9.5	9.3	9	8.5	7.5	6.5	5.5
LQDWF8-2	0.75		19	18.5	18	17	15	13	11
LQDWF8-3	1.1		29	28	27	25.5	22.5	20	17.5
LQDWF8-4	1.5		39	38	36	34	30	26.5	22.5
LQDWF8-5	2.2		49	47	45	42.5	38	33.5	28

安装图(Installation drawing)



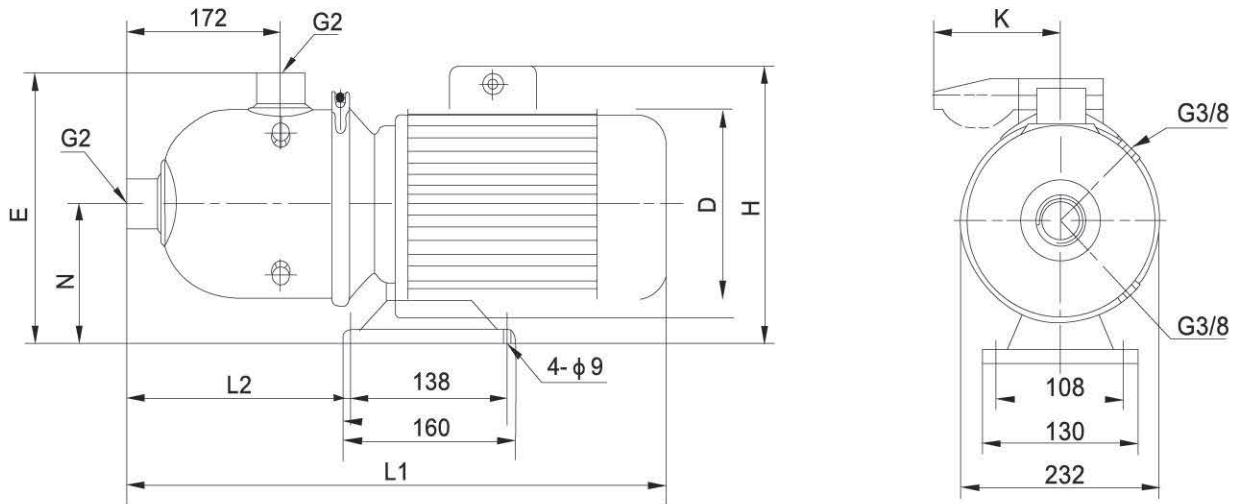
尺寸和重量(Dimensions and weight)

电机 Motor	型号 Model	尺寸Dimensions (mm)				重量Weight (kg)
		L1	D	H	K	
三相/单相 Three-phase/ single-phase	LQDWF8-1	566	170	230/265	/100	20
	LQDWF8-2	566	170	230/265	/100	20
	LQDWF8-3	566	170	230/265	/100	25
	LQDWF8-4	618	180	240/270	/100	25
	LQDWF8-5	618	180	240/270	/100	30

性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	7	8	9	10	11	12	13	14	15	16
LQDWF12-1	0.75	H (m)	11.5	11.2	11	10.5	10	9.5	9	8	7	6
LQDWF12-2	1.5		23	22.5	22	21.5	20.5	19.5	18.5	17	15.5	13
LQDWF12-3	2.2		35	34.5	33.5	32.5	31	29.5	28	26	23.5	20
LQDWF12-4	2.4		47	46	45	43.5	41.5	39.5	37.5	35	31.5	27.5
LQDWF12-5	3		60	58	56.5	55	52.5	50	47	44	40	35

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

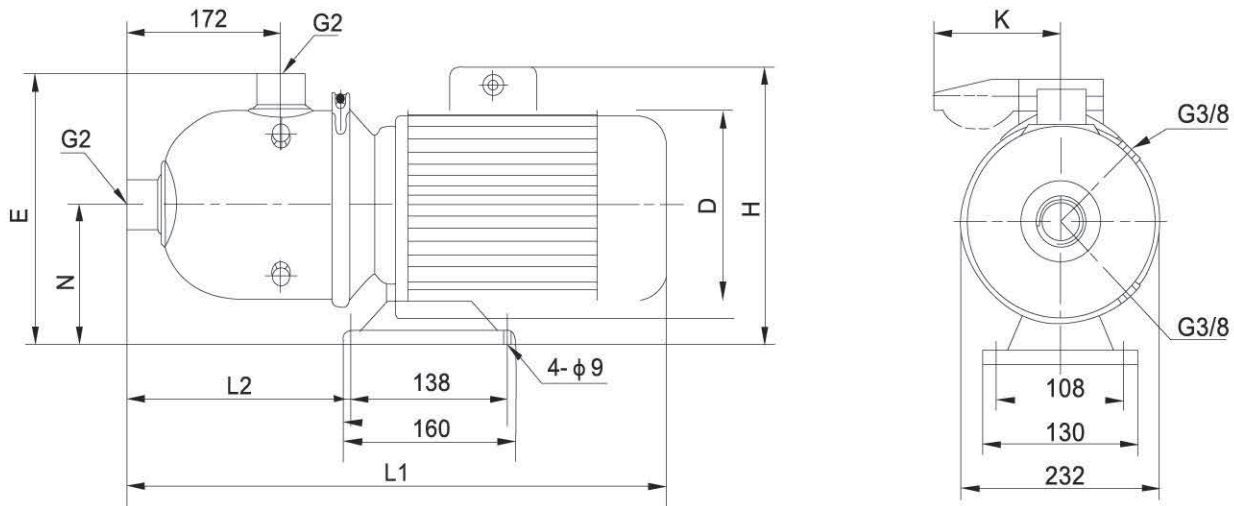
电机 Motor	型号 Model	尺寸Dimensions (mm)							重量Weight (kg)
		L1	L2	H	D	E	N	K	
三相/单相 Three-phase/ single-phase	LQDWF12-1	566	288	230/265	170	268	118	/100	20
	LQDWF12-2	566	288	230/265	170	268	118	/100	21
	LQDWF12-3	618	288	240/270	180	268	118	/100	25
	LQDWF12-4	618	288	240/270	180	268	118	/100	29
	LQDWF12-5	626	278	270/	195	276	126		34



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	8	10	12	14	16	18	20	22
LQDWF15-1	1.1	H (m)	12.5	12	11.5	10.5	10	9	7.5	6.5
LQDWF15-2	2.2		25.5	24	23	22	21	19	17	14.5
LQDWF15-3	3		38.5	37	36	34	32	30	27	23

安装图(Installation drawing)



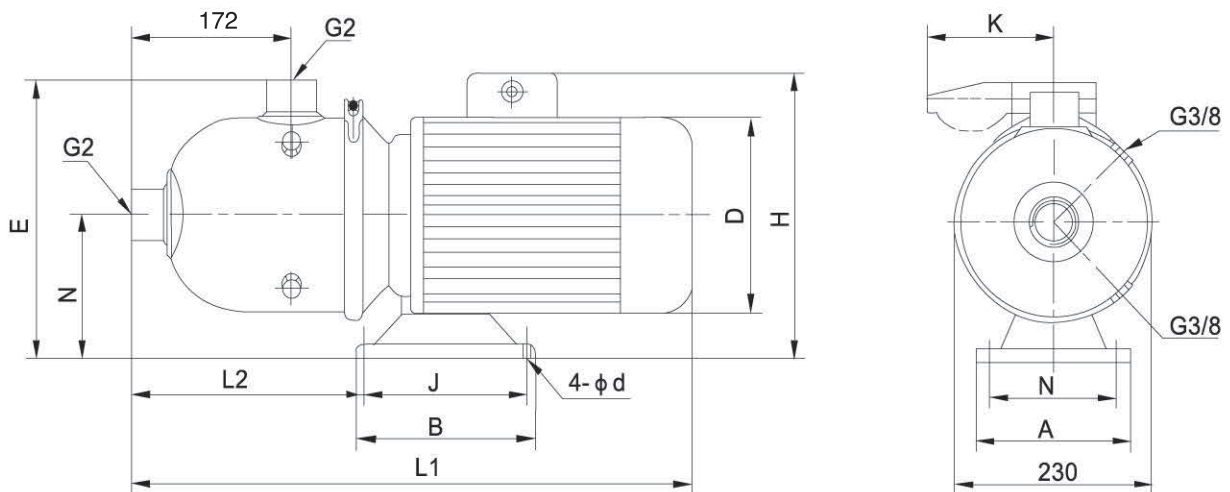
尺寸和重量(Dimensions and weight)

电机 Motor	型号 Model	尺寸Dimensions (mm)							重量Weight (kg)
		L1	L2	E	N	D	H	K	
三相/单相 Three-phase/ single-phase	LQDWF15-1	566	288	268	118	170	230/265	/100	20
	LQDWF15-2	618	288	268	118	180	240/270	/100	27
	LQDWF15-3	626	278	276	126	195	270/		34

性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	10	12	14	16	18	20	22	24	26	28
LQDWF20-1	1.1	H (m)	12.5	12	11.5	11	10.5	9.5	8.5	7.5	6.5	5.5
LQDWF20-2	2.2		25.5	24.5	24	23	22	21	20	18	16	13.5
LQDWF20-3	4		38	37.5	37	36	35	33	31	28	25	22

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

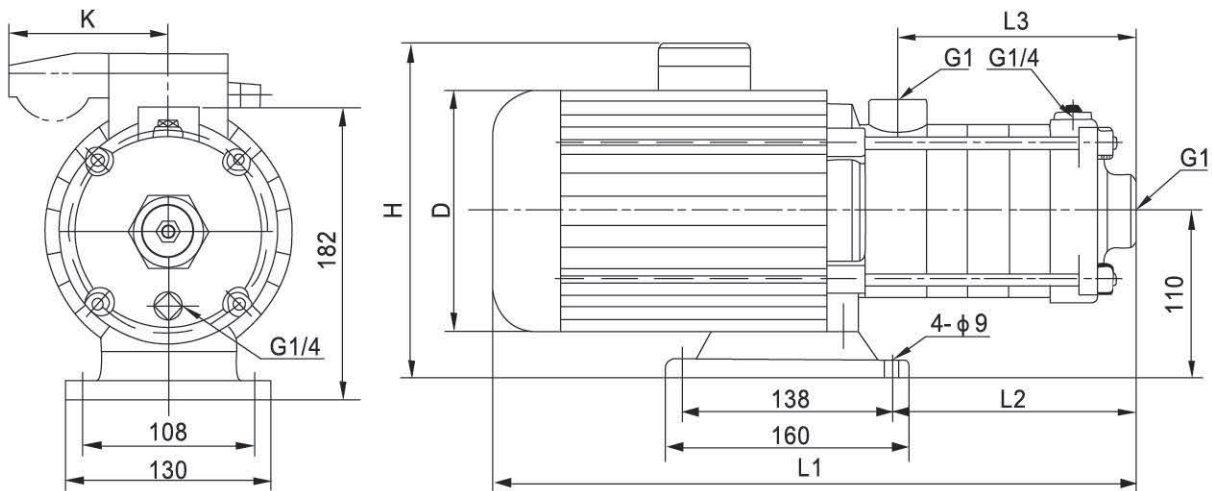
电机 Motor	型号 Model	尺寸Dimensions (mm)												重量 Weight (kg)
		L1	L2	H	D	E	N	A	M	B	J	d	K	
三相/单相 Three-phase/ single-phase	LQDWF20-1	560	280	230/265	170	268	118	130	108	160	138	9	/100	21
	LQDWF20-2	580	280	240/270	180	268	118	130	108	160	138	9	/100	28
	LQDWF20-3	650	360	270/	220	270	120	230	190	170	140	12		42



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5
LQDWJ(T)2-2	0.37	H (m)	19	18	16	14	13	11	9
LQDWJ(T)2-3	0.37		28	27	24	21	20	17	14
LQDWJ(T)2-4	0.55		36	34	32	28	26	23	17
LQDWJ(T)2-5	0.55		46	43	40	35	33	28	22
LQDWJ(T)2-6	0.75		54	50	48	42	38	33	25

安装图(Installation drawing)



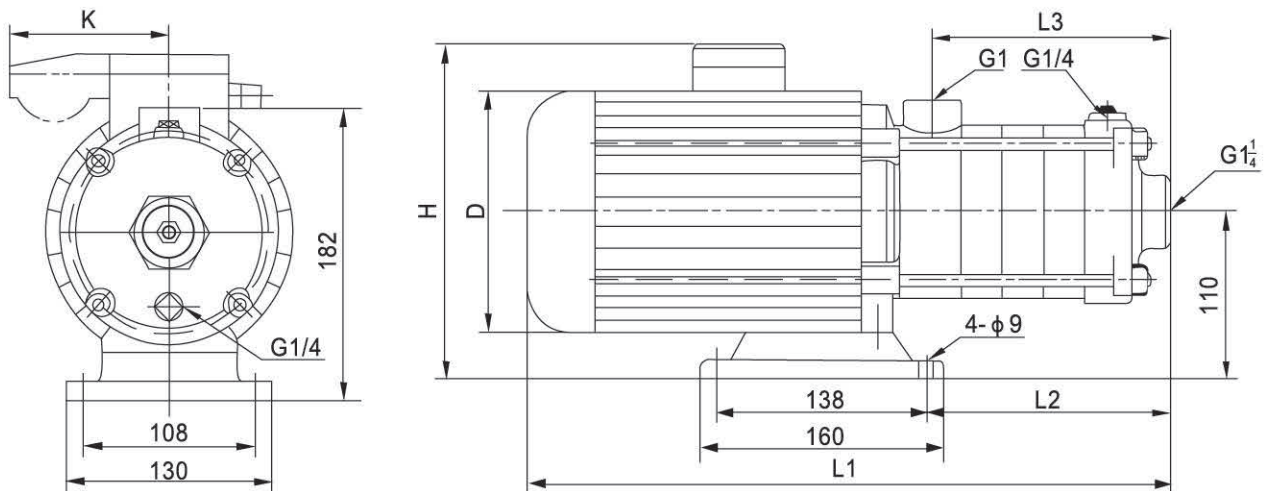
尺寸和重量(Dimensions and weight)

电机 Motor	型号 Model	尺寸Dimensions (mm)						重量Weight (kg)
		L1	L2	L3	D	H	K	
三相/单相 Three-phase/ single-phase	LQDWJ(T)2-2	305	87	84	145	215/230	/96	15
	LQDWJ(T)2-3	323	105	102	145	215/230	/96	15
	LQDWJ(T)2-4	341	123	120	145	215/230	/96	15
	LQDWJ(T)2-5	359	141	138	145	215/230	/96	15
	LQDWJ(T)2-6	422	159	156	170	225/245	/100	17

性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	1	2	3	4	5	6	7
LQDWJ(T)4-2	0.37	H (m)	19	18	16	15	13	10	7
LQDWJ(T)4-3	0.55		28	27	24	22	19	15	10
LQDWJ(T)4-4	0.75		38	36	32	30	26	20	14
LQDWJ(T)4-5	1.1		46	44	41	38	32	26	20
LQDWJ(T)4-6	1.1		55	53	50	45	37	31	26

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

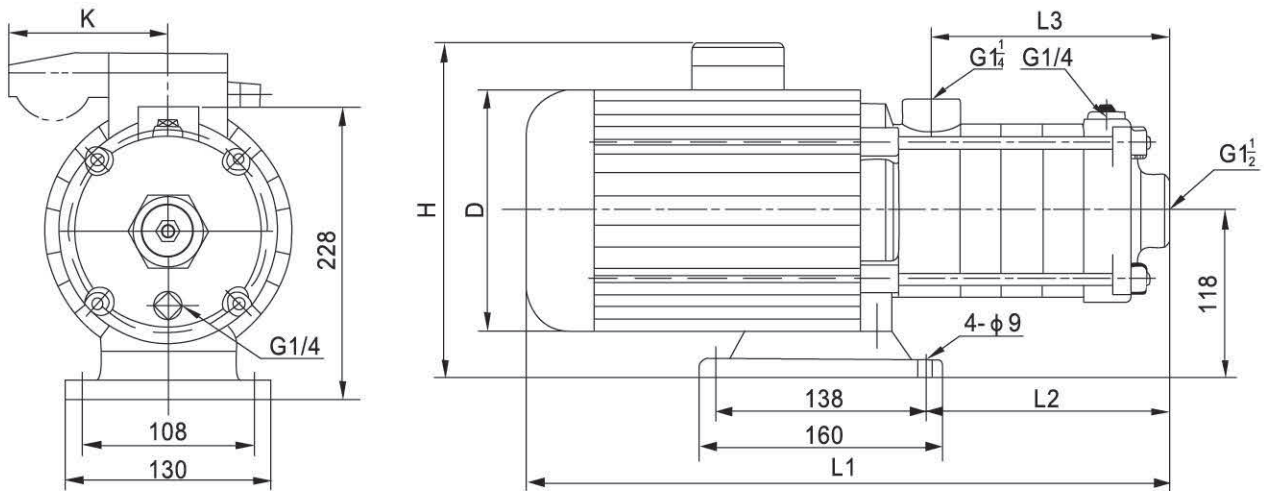
电机 Motor	型号 Model	尺寸Dimensions (mm)						重量Weight (kg)
		L1	L2	L3	D	H	K	
三相/单相 Three-phase/ single-phase	LQDWJ(T)4-2	329	105	102	145	215/230	/96	15
	LQDWJ(T)4-3	356	132	126	145	215/230	/96	15
	LQDWJ(T)4-4	416	162	156	170	225/245	/100	17
	LQDWJ(T)4-5	455	188	183	170	225/245	/100	17
	LQDWJ(T)4-6	482	213	210	170	225/245	/100	17



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	5	6	7	8	9	10	11
LQDWJ(T)8-1	0.75	H (m)	9.5	9.3	9	8.5	7.5	6.5	5
LQDWJ(T)8-2	0.75		19	18.5	18	17	15	13	11
LQDWJ(T)8-3	1.1		29	28	27	25.5	22.5	20	17.5
LQDWJ(T)8-4	1.5		39	38	36	34	30	26.5	22.5
LQDWJ(T)8-5	2.2		49	47	45	42.5	38	33.5	28

安装图(Installation drawing)



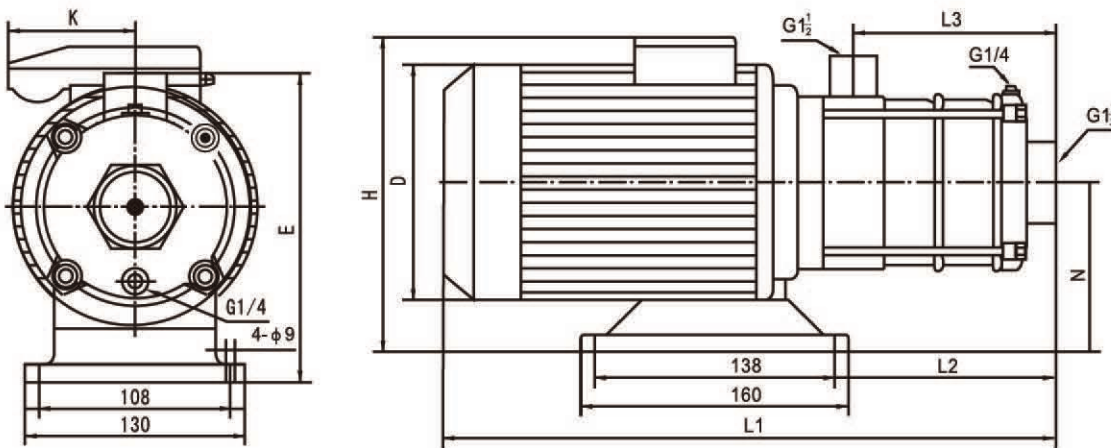
尺寸和重量(Dimensions and weight)

电机 Motor	型号 Model	尺寸Dimensions (mm)						重量Weight (kg)
		L1	L2	L3	D	H	K	
三相/单相 Three-phase/ single-phase	LQDWJ(T)8-1	395	126	108	170	230/265	/100	20
	LQDWJ(T)8-2	395	126	108	170	230/265	/100	20
	LQDWJ(T)8-3	425	156	138	170	230/265	/100	25
	LQDWJ(T)8-4	490	186	168	180	240/270	/100	28
	LQDWJ(T)8-5	520	216	198	180	240/270	/100	30

性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	7	8	9	10	11	12	13	14	15	16
LQDWJ(T)12-1	0.75	H (m)	11.5	11.2	11	10.5	10	9.5	9	8	7	6
LQDWJ(T)12-2	1.5		23	22.5	22	21.5	20.5	19.5	18.5	17	15.5	13
LQDWJ(T)12-3	2.2		35	34.5	33.5	32.5	31	29.5	28	26	23.5	20
LQDWJ(T)12-4	2.4		47	46	45	43.5	41.5	39.5	37.5	35	31.5	27.5
LQDWJ(T)12-5	3		60	58	56.5	55	52.5	50	47	44	40	35

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

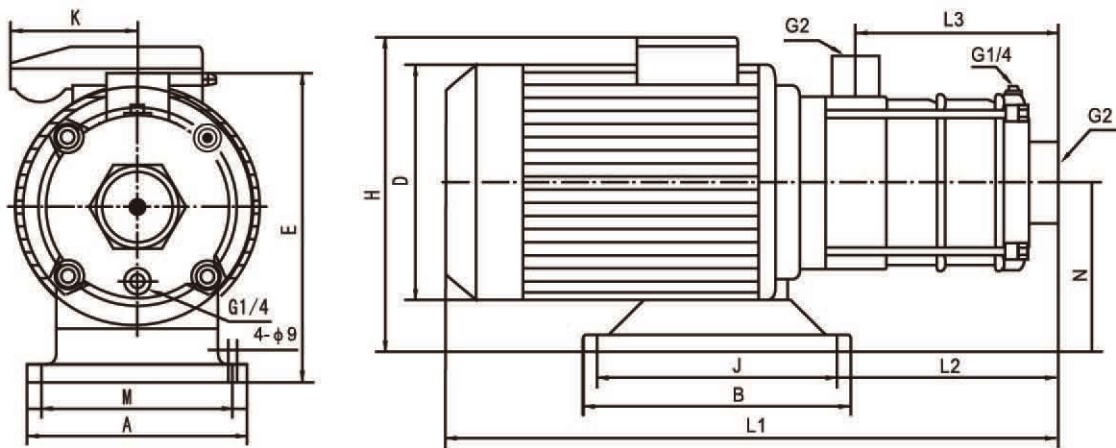
电机 Motor	型号 Model	尺寸Dimensions (mm)								重量Weight (kg)
		L1	L2	L3	H	D	E	N	K	
三相/单相 Three-phase/ single-phase	LQDWJ(T)12-1	395	126	108	230/265	170	228	118	/100	20
	LQDWJ(T)12-2	395	126	108	230/265	170	228	118	/100	21
	LQDWJ(T)12-3	460	156	138	240/270	180	228	118	/100	25
	LQDWJ(T)12-4	490	186	168	240/270	180	228	118	/100	29
	LQDWJ(T)12-5	555	216	198	270/	195	240	126		34



性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	8	10	12	14	16	18	20	22
LQDWJ(T)15-1	1.1	H (m)	12.5	12	11.5	10.5	10	9	7.5	6.5
LQDWJ(T)15-2	2.2		25.5	24	23	22	21	19	17	14.5
LQDWJ(T)15-3	3		38.5	37	36	34	32	30	27	23
LQDWJ(T)15-4	4		51.5	50.5	49	46	43	40.5	36	31.5

安装图(Installation drawing)



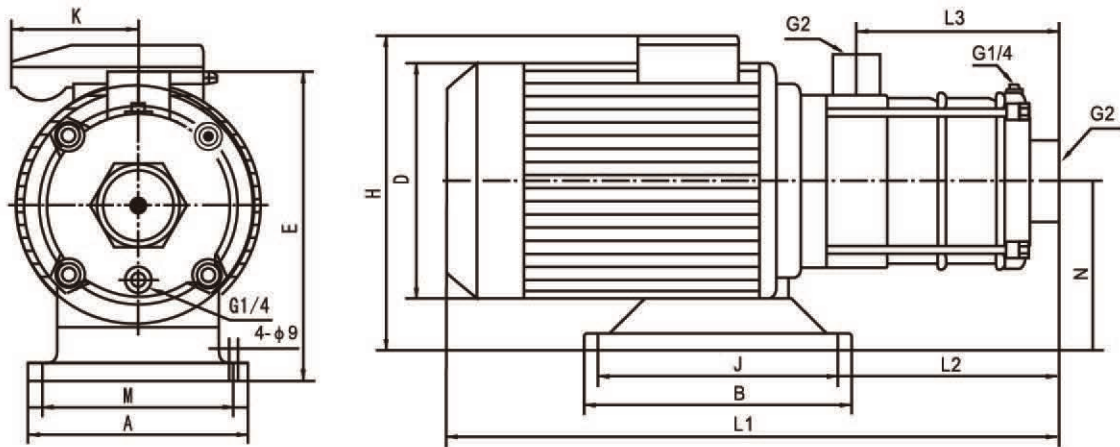
尺寸和重量(Dimensions and weight)

电机 Motor	型号 Model	尺寸Dimensions (mm)													重量 Weight (kg)
		L1	L2	L3	H	D	E	N	A	M	B	J	d	K	
三相/单相 Three-phase/ single-phase	LQDWJ(T)15-1	423	151	126	230/265	180	227	117	130	108	160	138	9	/100	17.5
	LQDWJ(T)15-2	455	151	126	240/270	180	228	118	130	108	160	138	9	/100	27
	LQDWJ(T)15-3	561	196	171	270/	195	240	130	130	108	160	138	9		33
	LQDWJ(T)15-4	621	340	216	270/	220	230	120	230	190	170	140	12		41

性能表(Performance table)

型号 Model	配用电机 Matching motor (KW)	Q (m ³ /h)	10	12	14	16	18	20	22	24	26	28
LQDWJ(T)20-1	1.1	H (m)	12.5	12	11.5	11	10.5	9.5	8.5	7.5	6.5	5.5
LQDWJ(T)20-2	2.2		25.5	24.5	24	23	22	21	20	18	16	13.5
LQDWJ(T)20-3	4		38	37.5	37	36	35	33	31	28	25	22
LQDWJ(T)20-4	4.4		51	50	49	48	47	44.5	41.5	37.5	33.5	30

安装图(Installation drawing)



尺寸和重量(Dimensions and weight)

电机 Motor	型号 Model	尺寸Dimensions (mm)													重量 Weight (kg)
		L1	L2	L3	H	D	E	N	A	M	B	J	d	K	
三相/单相 Three-phase/ single-phase	LQDWJ(T)20-1	423	151	126	230/265	180	227	117	130	108	160	138	9	/100	17.5
	LQDWJ(T)20-2	455	151	126	240/270	180	228	118	130	108	160	138	9	/100	27
	LQDWJ(T)20-3	576	294	171	270/	220	230	120	230	190	170	140	12		41
	LQDWJ(T)20-4	621	340	216	270/	220	230	120	230	190	170	140	12		44



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