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**LAIKO® 雷客**



**KWD**

**KWD卧式多级离心泵**

HORIZONTAL MULTI-STAGE CENTRIFUGAL PUMP SERIES

股票简称:大元泵业  
股票代码:603757

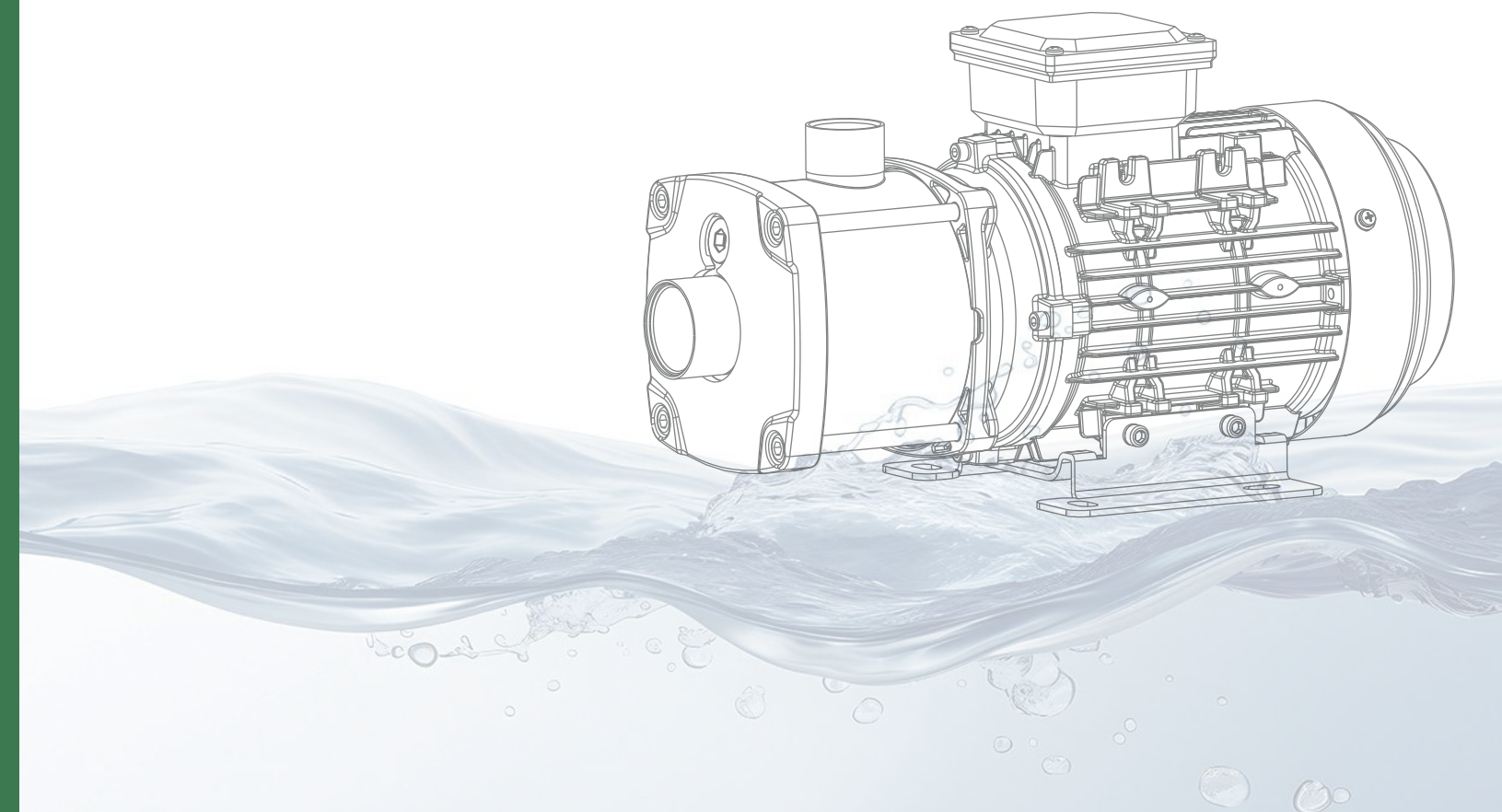
泵与系统解决方案提供商  
PUMP AND SYSTEM SOLUTION PROVIDER

LAIKO® 雷客

## KWD卧式多级离心泵

Horizontal Multi-Stage Centrifugal Pump Series

泵与系统解决方案提供商  
PUMP AND SYSTEM SOLUTION PROVIDER



懂水 更懂节能

Superior in Pump, Superior in Energy-Saving.



节能用泵的研发与制造，泵与系统解决方案提供商



LAIKO® 雷客

大元泵业旗下品牌 | 专注于节能用泵研发与制造  
股票简称:大元泵业 股票代码:603757

浙江雷客泵业有限公司

是浙江大元泵业股份有限公司(股票代码:603757)旗下品牌，注册资金8000万，与新沪同为大元子公司，总部位于浙江温岭。拥有超34年的实力积淀，联盟国内顶级水泵研发、生产、销售、技术团队，综合实力位居行业前列。母公司大元泵业是泵产品国家标准、行业标准的起草单位，是国家认定、授予的“高新技术企业”、“省级企业技术中心”大元旗下自主品牌（“大元”牌、“雷客”牌、“新沪”牌、“SHINHOO”）产品业已通过CE、GS、TUV、ROHS等多项质量和产品认证，销售服务网点遍布全国达10000余家，并出口东南亚、欧洲、中东和南美等近150个国家和地区。

使命——聚焦高效节能泵解决方案  
愿景——为泵行业节能革新注入新活力  
价值观——以人为本、精益求精



LAIKO 浙江雷客泵业有限公司  
Laiko Pump (Zhejiang) Co., Ltd.

浙江雷客泵业有限公司是浙江大元泵业股份有限公司(股票代码：603757)旗下品牌,成立背景源于大元泵业超过34年的深厚行业经验与技术积累，在泵领域内拥有全面的产品线和领先的制造技术。专注于节能用泵的研发与制造。

雷客泵业的应用领域涵盖了建筑领域、市政领域以及工业领域。拥有立式多级泵、立式管道泵、卧式多级泵、冷热水循环管道泵、单级离心泵、标准离心泵、不锈钢卧式单级离心泵、潜污泵、浸入式多级离心泵等产品线。并在国内建立了广泛的办事处网络，覆盖研发、生产、销售的完整链条，产品远销欧美亚多个国家和地区。

标准的研发、生产、销售和服务体系，奠定了雷客泵业的核心竞争力和可持续发展空间。可靠的产品品质，贴心的售后服务，为雷客赢得了广泛的美誉。

我们保持锐意进取，始终坚持科技创新理念，为我们的客户提供更节能高效的解决方案与服务！

专注专业 绿色创新 品质至上 合作共赢

雷客泵业全国主要城市都设立了办事处，专业、高效的办事处服务团队，从咨询、购买、售后、维护等各个环节，全程提供高效、专业、及时、贴心的服务。秉持“全心全意，客户至上”的精神，快速响应需求，为客户提供精准的产品推荐与解决方案，提供更具针对性的服务，全方位全周期的提供无忧服务。







## 科技赋能、品质护航，引领泵业绿色智能新时代

大元泵业集团携手子公司雷客泵业重要战略布局，占地185亩、总投资10亿元的现代化生产基地，规划年产700万台水泵。生产全流程智能化体系：从智能自动化产线、精准检测包装系统，到智能物流仓储，全方位提升生产效率与品质稳定性；更配备国家 CNAS 认证测试实验室，以国际标准严控产品质量。同时，通过太阳能覆盖、环保设备应用践行绿色发展理念，打造绿色智能标杆工厂，以科技创新为驱动、以卓越品质为根基，引领泵业行业迈向绿色智造新时代。

## 技术创新 专利护航

**346+** 境内专利  
**29+** 发明专利  
**242+** 新型实用专利  
**75+** 外观专利  
**6+** 境外专利

拥有研发人员177名+专利超542项的实力积淀  
产品荣获“浙江名牌产品”、“浙江出口名牌”等荣誉  
产品远销欧美亚多个国家和地区，综合实力位居行业前列  
公司通过多年持续的研发投入，形成了较为明显的技术创新优势





# KWD卧式多级离心泵

节能高效 | 稳定可靠 | 灵活适配 | 低噪运行



技术参数/TECHNICAL DATA

流量范围Flow range:0.4~29m³/h 扬程范围Head range:5~87m 功率范围Power range:0.25~7.5kW  
全封闭标准风冷二级标准电机Fully enclosed standard air-cooled secondary standard motor  
防护等级Protection level:IP55 绝缘等级Insulation level:F

# KWD

## HORIZONTAL MULTI-STAGE CENTRIFUGAL PUMP SERIES

# 卧式多级离心泵

应用领域 / APPLICATION FIELD

|             |                                                |
|-------------|------------------------------------------------|
| 冷却系统        | Cooling System                                 |
| 空调系统        | Air Conditioning System                        |
| 水处理(水的净化)   | Water Treatment (purification of water)        |
| 工业清洗系统      | Industrial Cleaning System                     |
| 液体的输送、循环和提升 | Transport, Circulation, and Lifting of Liquids |
| 热水和冷水       | Hot and Cold Water                             |
| 食品饮料        | Food and Beverage                              |
| 制药行业        | Pharmaceutical Industry                        |

KWD是全新一代非自吸卧式多级离心泵，全新工业外观设计，泵为轴向吸入、径向排出，关键过流部件用不锈钢冲压焊接工艺。出色的水力性能与独特结构设计，具有高效率、低噪音、低振动、稳定可靠、耐轻度腐蚀及结构紧凑、外形美观、体积小、重量轻、使用维护方便等特点，实现各类场景流体输送的高效运作，能有效降低用户泵运行成本。

运行条件：稀薄、干净、无腐蚀性、非易燃易爆易汽化且不含固体颗粒和纤维的液体；所输送介质的密度大于清水时，需要配用大功率电机，详情请咨询本公司。

液体温度范围：

常温型：-20℃ ~ +70℃

热水型：-20℃ ~ +105℃

最大运行压力：10bar

最高海拔：1000m

最高环境温度：+40℃

介质pH值：3~9

KWD is a new generation of non self suction horizontal multi-stage centrifugal pump with a brand new industrial appearance design. The pump adopts axial suction and radial discharge, and the key flow components are made of stainless steel stamping and welding technology. Excellent hydraulic performance and unique structural design, characterized by high efficiency, low noise, low vibration, stability and reliability, resistance to mild corrosion, compact structure, beautiful appearance, small size, light weight, and easy maintenance, achieve efficient operation of fluid transportation in various scenarios, and effectively reduce the operating costs of users' pumps. Operating conditions: a liquid that is thin, clean, non corrosive, non flammable, non explosive, easily vaporized, and does not contain solid particles or fibers; When the density of the conveyed medium is greater than that of clean water, a high-power motor is required. Please consult our company for details.

Liquid temperature range:

Room temperature type: -20 °C~+70 °C

Hot water type: -20 °C~+105 °C

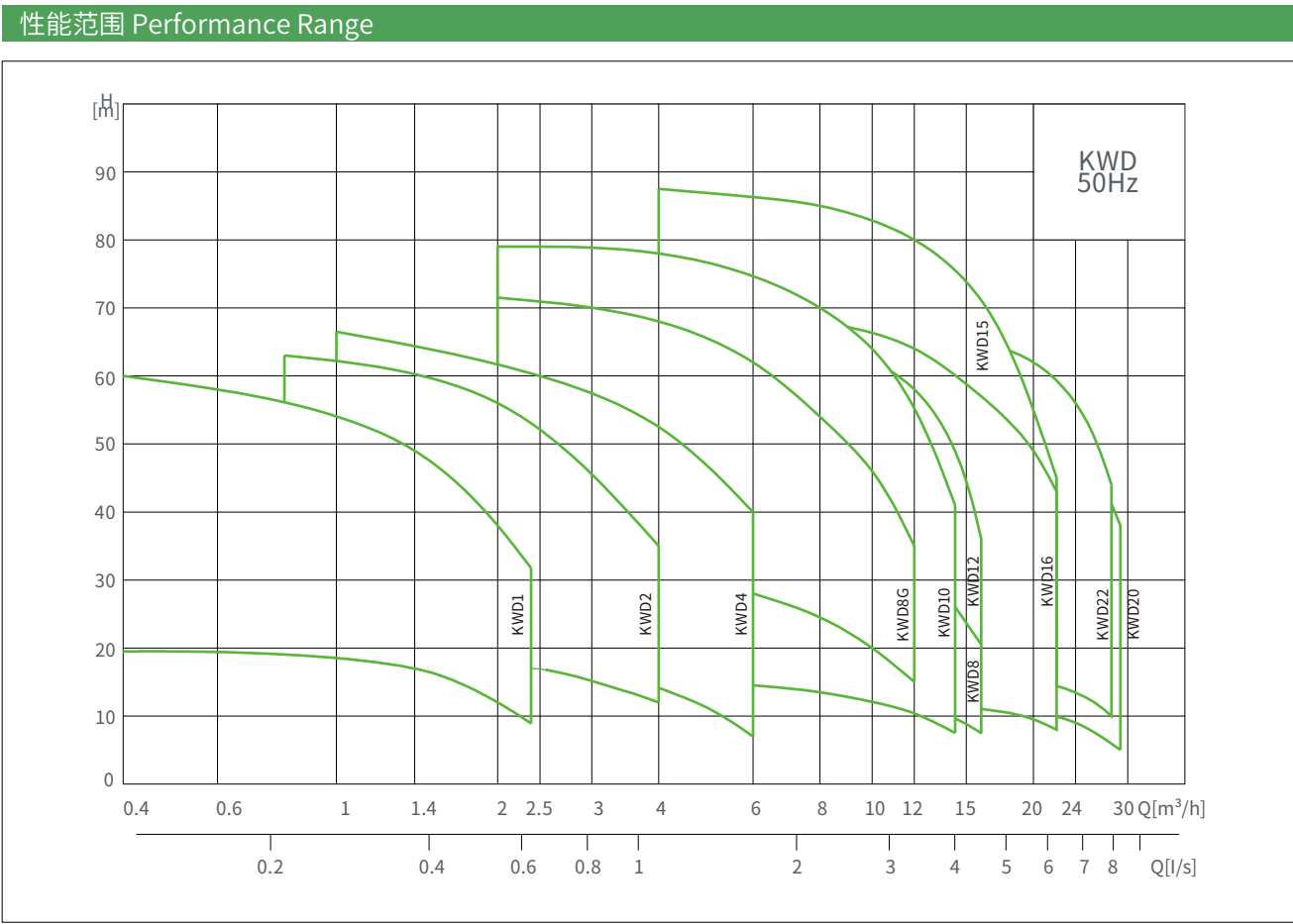
Maximum operating pressure: 10 bar

Maximum altitude: 1000m

Maximum ambient temperature: +40 °C

Medium pH value: 3~9

Superior in Pump, Superior in Energy-Saving. 懂水 更懂节能



产品概述 Product Overview

KWD为卧式多级离心泵，产品适用于稀薄、干净、无腐蚀性、非易燃易爆且不含固体颗粒及纤维的液体，在家庭供水、工业、建筑方面有广泛的用途。可用于：

冷却系统  
空调系统  
水处理(水的净化)  
工业清洗系统  
液体的输送、循环和提升  
热水和冷水  
其它:食品饮料、制药行业等

KWD is a horizontal multi-stage centrifugal pump and suitable for transporting thin, clean, non-corrosive, non-flammable, non-explosive liquids that do not contain solid particles or fibers. It has a wide range of applications, including:

Cooling system  
Air conditioning system  
Water treatment (purification of water)  
Industrial cleaning system  
Transport, circulation, and lifting of liquids  
Hot and cold water  
Food and beverage, pharmaceutical industry, etc

曲线条件 Curve Conditions

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的测量值。

2、曲线容差符合ISO9906:2012。

3、测试采用20℃不含空气的水，运动粘度1mm²/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或流量过大使电机过载等。

The following notes apply to the performance curves shown later:

1. All curves are based on measurements at constant speeds of 2900rpm.

2. The curve tolerances comply with ISO9906:2012.

3. The test uses 20°C water without air and the kinematic viscosity is 1 mm²/s.

4. The pump's usage should refer to the performance range of the bold curve to prevent issues such as overheating due to too low flow or motor overload due to too high flow.

工作条件 Operating Conditions

稀薄、干净、无腐蚀性、非易燃易爆且不含固体颗粒及纤维的液体;所输送介质的密度大于清水时，需配用大功率电机，详情请咨询本公司。

液体的温度范围：  
常温型: -20℃~+70℃  
热水型: -20℃~+105℃  
最大运行压力: 10bar  
海拔: 最高1000m  
最高环境温度: +40℃  
最大吸程: 与泵的NPSH(汽蚀余量)、介质温度、安装位置海平面高度以及进口管路损失等因素相关。  
最大进口压力: 受最大工作压力限制。

Liquids: thin, clean, non-corrosive, non-flammable, non-explosive, and free of solid particles and fibers. When the density of the conveyed medium is greater than that of clean water, a high-power motor is required. For more details, consult us please.

Liquid temperature: common temperature type: -20°C~+70°C;hot water type: -20°C~+105°C

Altitude: up to 1000m

Maximum ambient temperature: +40°C

Maximum working pressure: 10bar

电机 Motor

泵配全封闭、风冷、鼠笼式电机。

防护等级: IP55

绝缘等级: F

标准电压: 1×220V, 50Hz  
3×380V, 50Hz

单相电机最大功率为2.2kW。

单相电机配有内置热过载保护器，三相电机必须根据当地规定接电机启动器。

The pump is equipped with fully enclosed, air-cooled, squirrel-cage motor.

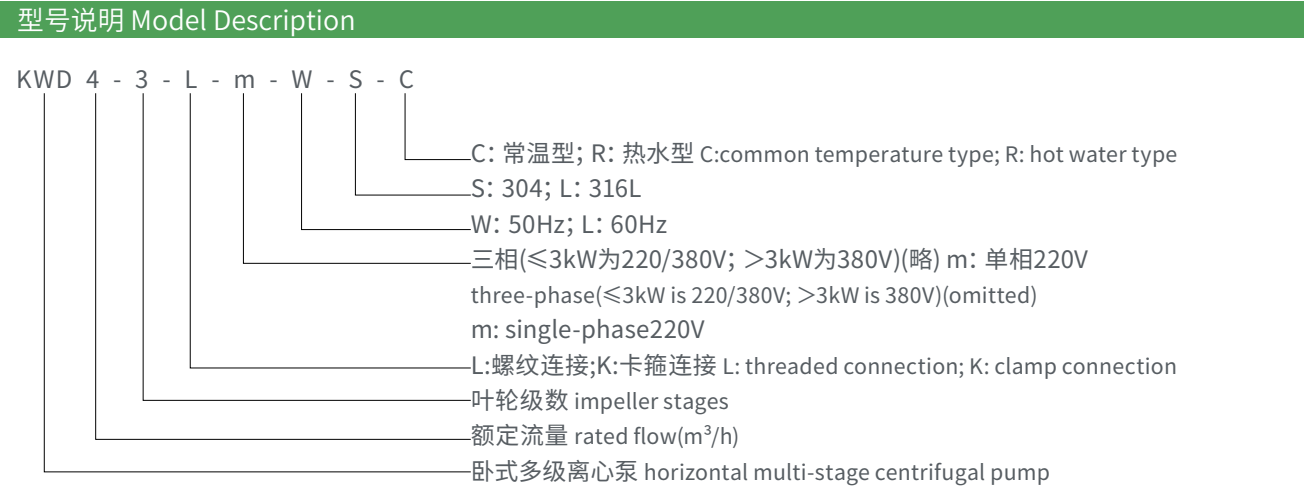
Protection level: IP55

Insulation level: F

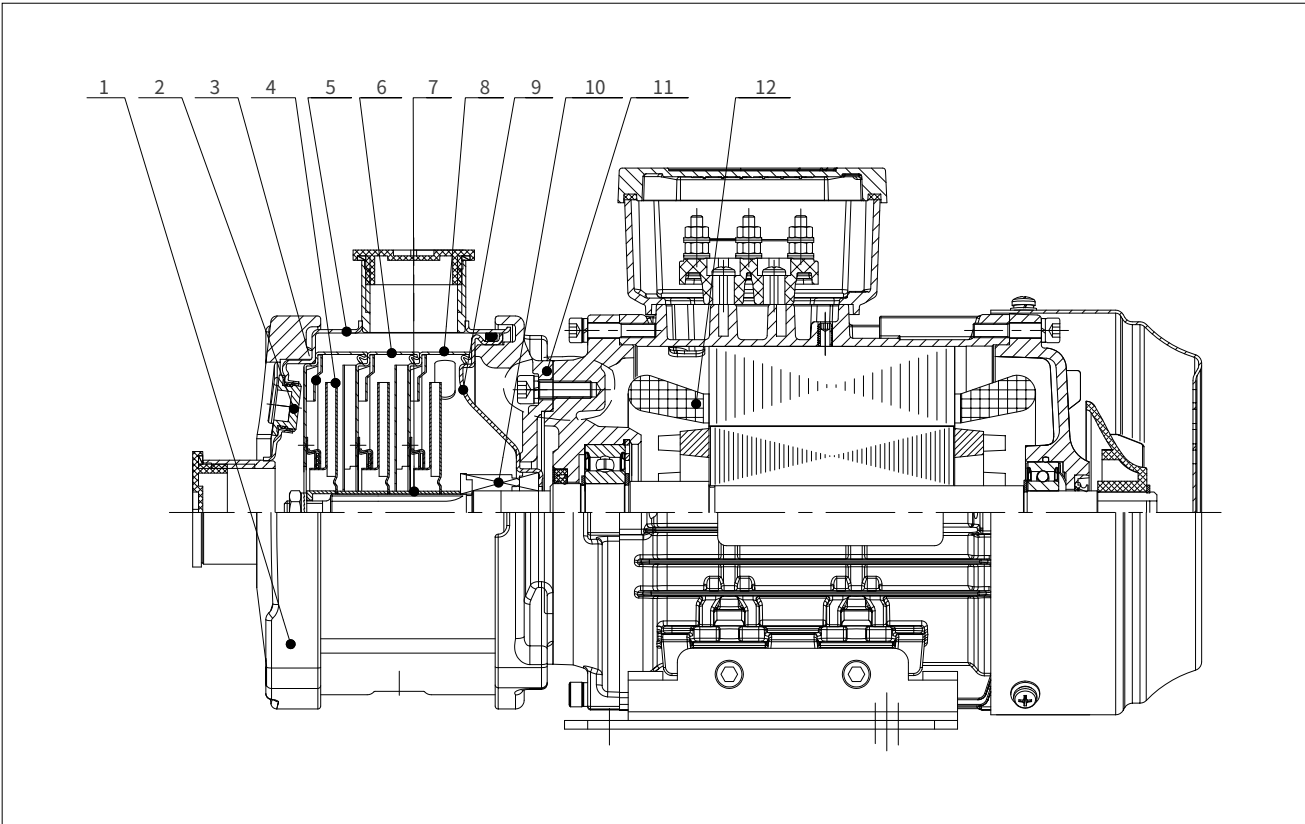
Standard voltage: 1×220, 50Hz  
3×380, 50Hz

The maximum power of single-phase motor is 2.2kW.

Single-phase motor is equipped with built-in thermal overload protection, and three-phase motor must be connected to a motor starter according to local regulations.

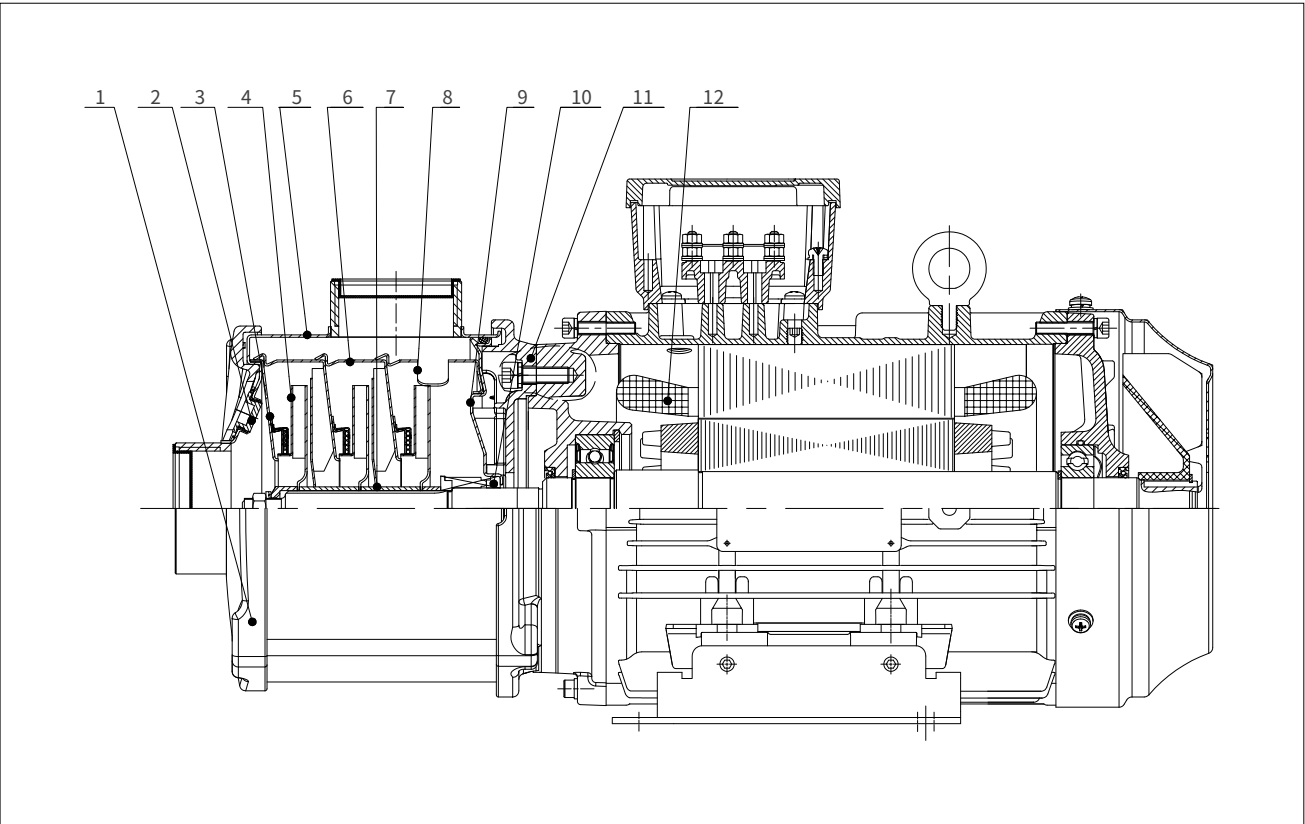


KWD1, 2, 4结构图 Structure Diagram



| 序号 No. | 名称 Name              | 材料 Materials         | GB                    | AISI/ASTM |
|--------|----------------------|----------------------|-----------------------|-----------|
| 1      | 泵盖Pump cover         | 压铸铝Die-cast aluminum | GB/T 15115-YL113      | ASTM383.1 |
| 2      | 螺塞G3/8 PulgG3/8      | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 3      | 首级导流体First diffuser  | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 4      | 叶轮 Impeller          | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 5      | 泵体Pump body          | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 6      | 中导流体 Medium diffuser | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 7      | 轴套Spindle sleeve     | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 8      | 末级导流体Final diffuser  | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 9      | 机械密封Mechanical seal  | /                    | /                     | /         |
| 10     | 连接盖Connecting cover  | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 11     | 连接Connect            | 压铸铝Die-cast aluminum | GB/T 15115-YL113      | ASTM383.1 |
| 12     | 电机Motor              | /                    | /                     | /         |

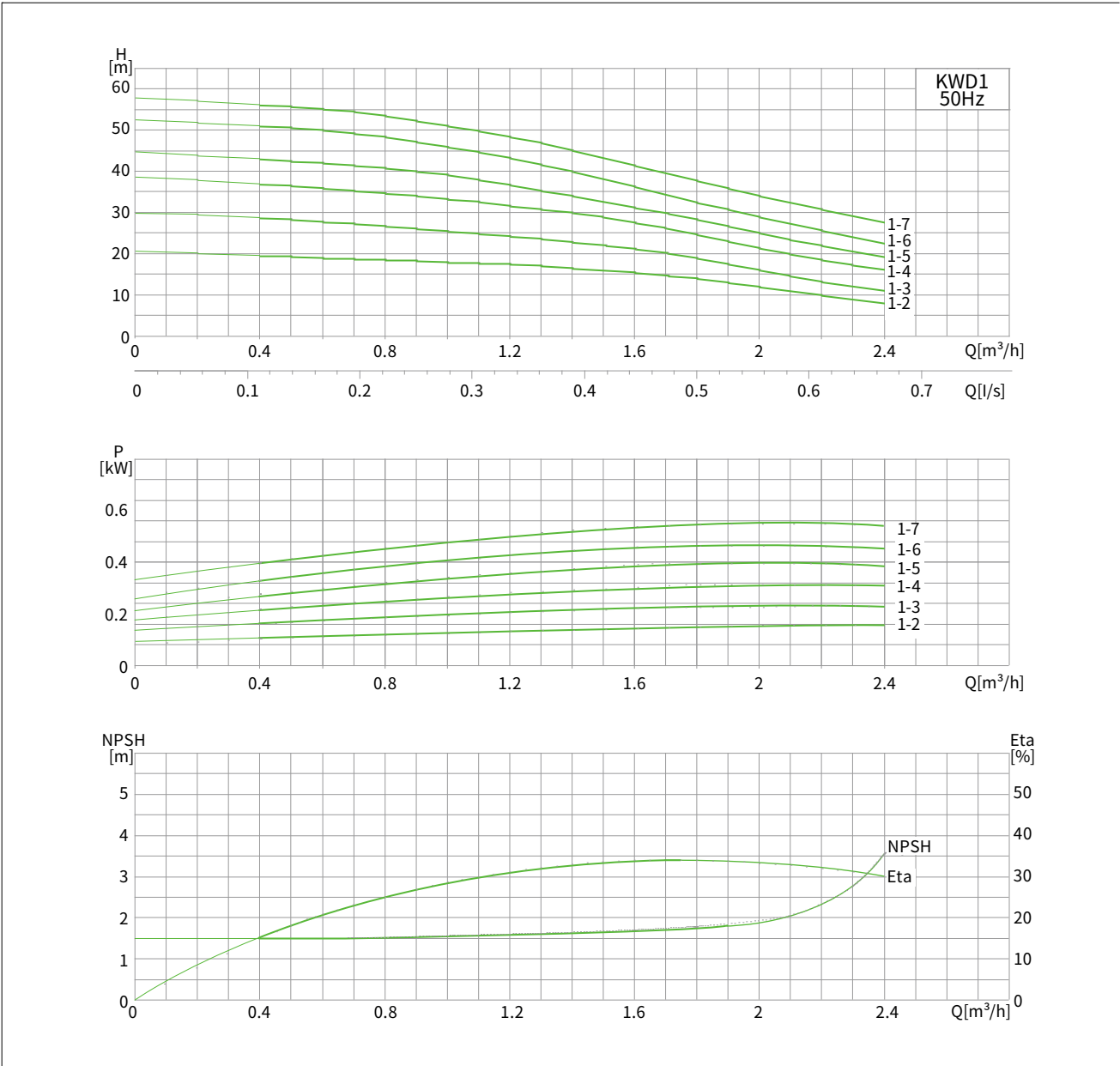
KWD8, 10, 12, 15, 16, 20, 22结构图 Structure Diagram



| 序号 No. | 名称 Name              | 材料 Materials         | GB                    | AISI/ASTM |
|--------|----------------------|----------------------|-----------------------|-----------|
| 1      | 泵盖Pump cover         | 压铸铝Die-cast aluminum | GB/T 15115-YL113      | ASTM383.1 |
| 2      | 螺塞G3/8 PulgG3/8      | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 3      | 首级导流体First diffuser  | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 4      | 叶轮 Impeller          | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 5      | 泵体Pump body          | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 6      | 中导流体 Medium diffuser | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 7      | 轴套Spindle sleeve     | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 8      | 末级导流体Final diffuser  | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 9      | 机械密封Mechanical seal  | /                    | /                     | /         |
| 10     | 连接盖Connecting cover  | 不锈钢Stainless steel   | GB/T 20878-06Cr19Ni10 | AISI304   |
| 11     | 连接Connect            | 压铸铝Die-cast aluminum | GB/T 15115-YL113      | ASTM383.1 |
| 12     | 电机Motor              | /                    | /                     | /         |



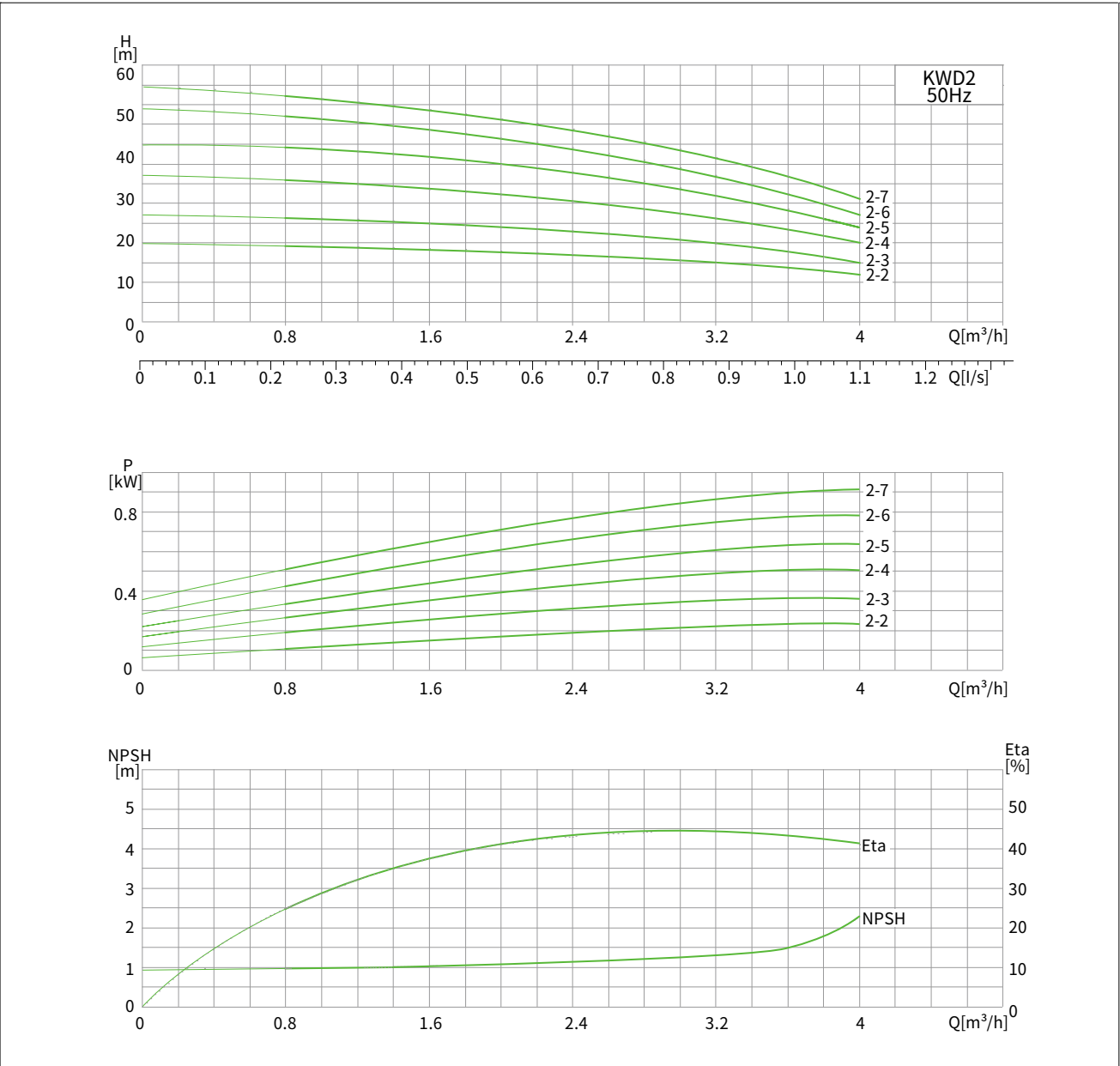
性能曲线说明 Performance Curve Description



性能曲线说明 Performance Curve Description

| 型号<br>Model | 功率<br>Power [kW] | 流量<br>Flow(m³/h) | 0.4  | 0.6  | 0.8  | 1  | 1.2  | 1.4  | 1.6 | 1.8 | 2  | 2.2 | 2.4 |
|-------------|------------------|------------------|------|------|------|----|------|------|-----|-----|----|-----|-----|
| KWD1-2      | 0.25             | 扬程<br>H(m)       | 19.5 | 19   | 18.5 | 18 | 17.5 | 17   | 15  | 14  | 12 | 12  | 12  |
| KWD1-3      | 0.25             |                  | 29   | 28.5 | 26   | 25 | 24.5 | 23.5 | 21  | 19  | 16 | 17  | 16  |
| KWD1-4      | 0.37             |                  | 37   | 36   | 35   | 33 | 32   | 30   | 27  | 26  | 20 | 22  | 20  |
| KWD1-5      | 0.45             |                  | 43   | 42   | 41   | 40 | 36   | 34   | 29  | 27  | 22 | 25  | 22  |
| KWD1-6      | 0.45             |                  | 51   | 50   | 49   | 46 | 44   | 42   | 36  | 32  | 26 | 30  | 26  |
| KWD1-7      | 0.55             |                  | 60   | 58   | 56   | 53 | 51   | 49   | 45  | 42  | 38 | 34  | 30  |

性能曲线说明 Performance Curve Description

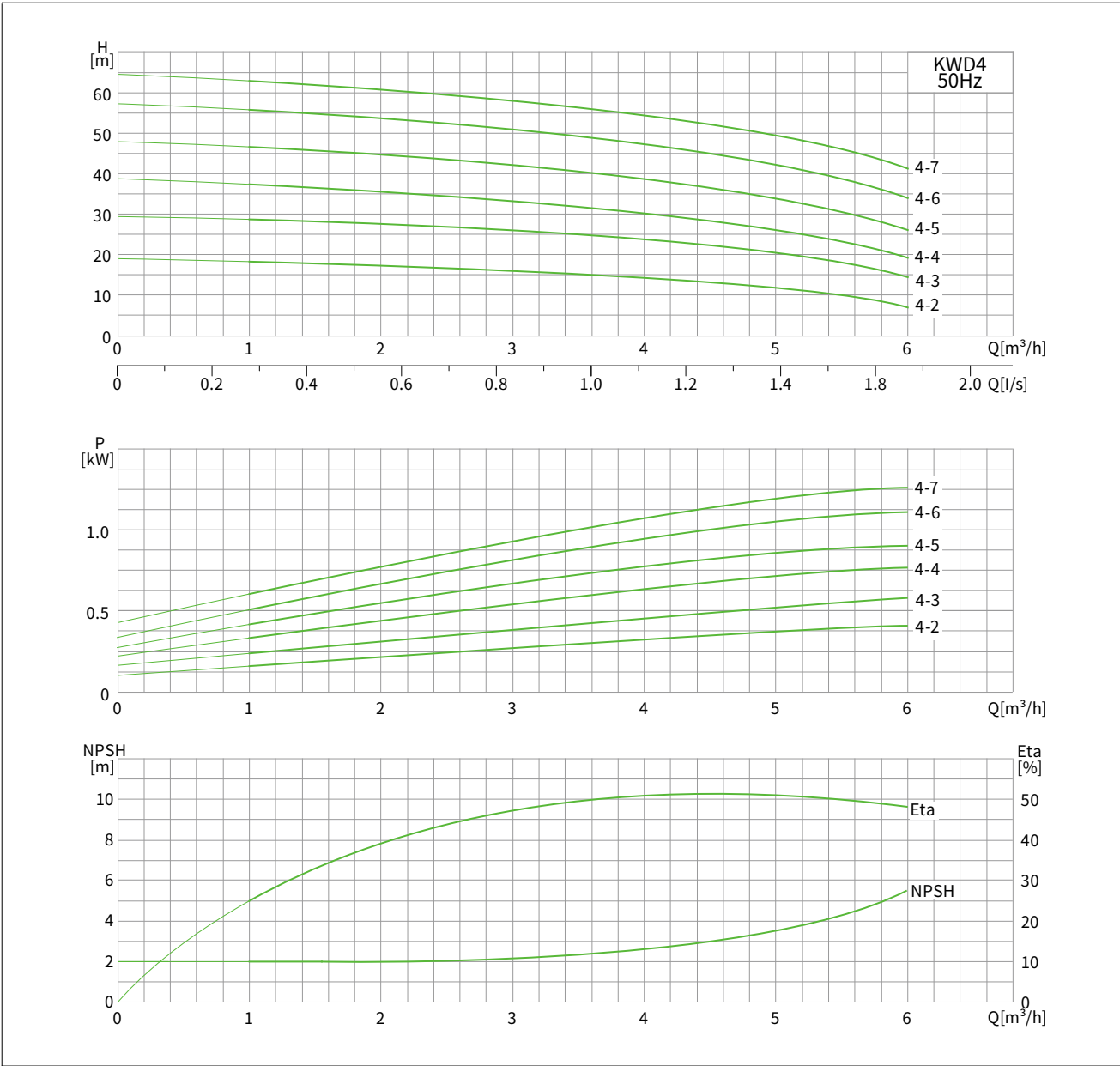


性能曲线说明 Performance Curve Description

| 型号<br>Model | 功率<br>Power[kW] | 流量<br>Flow(m³/h) | 0.8  | 1.2  | 1.6  | 2.0 | 2.4 | 2.8  | 3.2  | 3.6  | 4.0 |
|-------------|-----------------|------------------|------|------|------|-----|-----|------|------|------|-----|
| KWD2-2      | 0.37            | 扬程<br>H(m)       | 19.5 | 19   | 18.5 | 18  | 17  | 16.5 | 14.5 | 13.5 | 12  |
| KWD2-3      | 0.37            |                  | 27   | 26   | 25   | 24  | 23  | 22   | 20   | 17   | 15  |
| KWD2-4      | 0.55            |                  | 36   | 35   | 34   | 32  | 31  | 29   | 27   | 23   | 20  |
| KWD2-5      | 0.55            |                  | 44   | 43   | 42   | 40  | 38  | 36   | 33   | 28.5 | 24  |
| KWD2-6      | 0.75            |                  | 53   | 51.5 | 48   | 47  | 45  | 41   | 36   | 31.5 | 27  |
| KWD2-7      | 1               |                  | 63   | 61   | 59   | 56  | 54  | 51   | 47   | 41   | 35  |



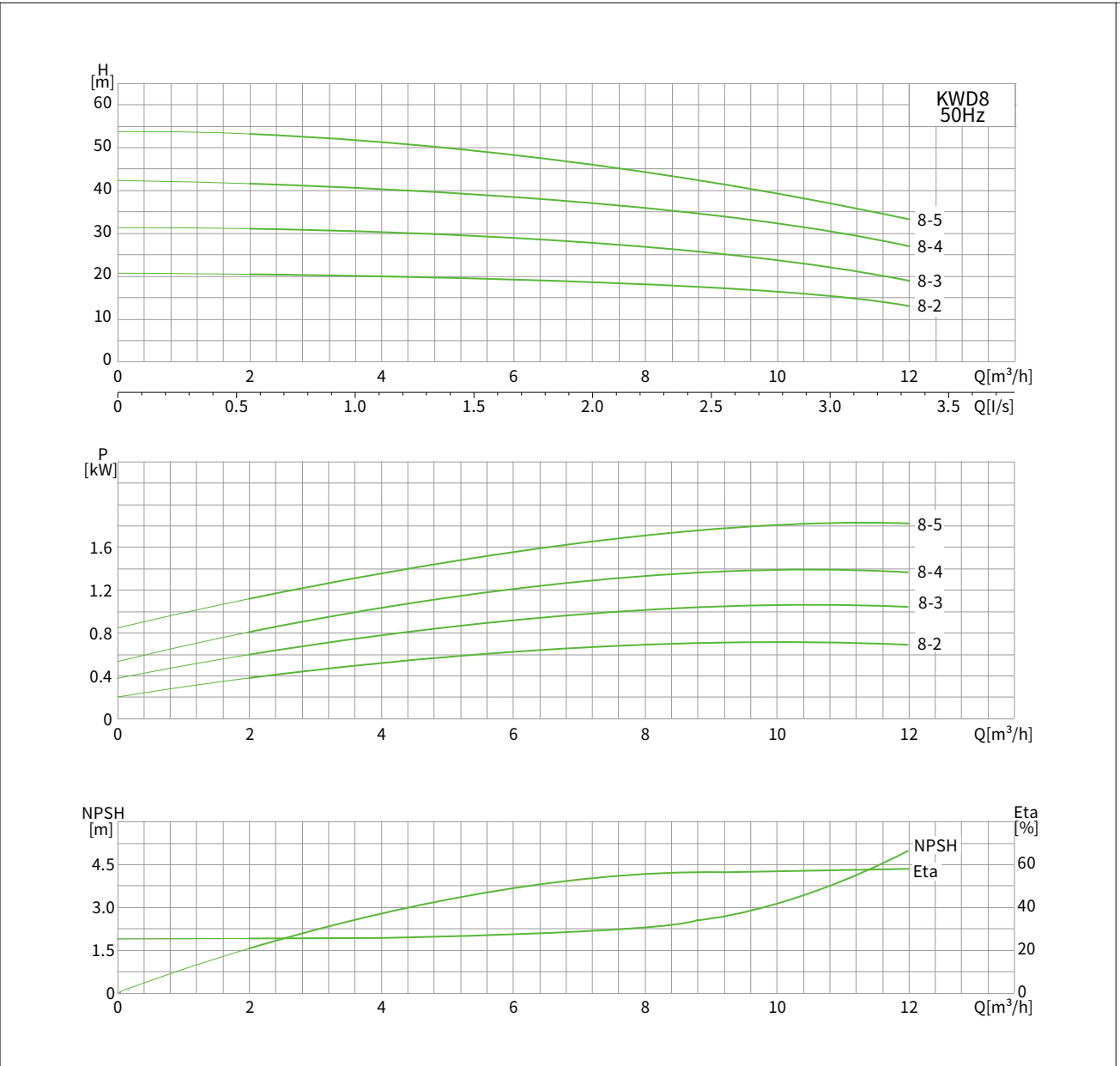
性能曲线说明 Performance Curve Description



性能曲线说明 Performance Curve Description

| 型号<br>Model | 功率<br>Power [kW] | 流量<br>Flow(m³/h) | 1.0  | 1.6  | 2.2 | 2.8 | 3.4  | 4.0 | 4.6  | 5.2 | 5.8 | 6.0  |
|-------------|------------------|------------------|------|------|-----|-----|------|-----|------|-----|-----|------|
| KWD4-2      | 0.37             | 扬程<br>H(m)       | 18.5 | 18   | 17  | 16  | 15.5 | 15  | 13.5 | 12  | 8   | 7    |
| KWD4-3      | 0.55             |                  | 29   | 28.5 | 28  | 26  | 25.5 | 25  | 23   | 21  | 16  | 14   |
| KWD4-4      | 0.75             |                  | 38   | 37   | 36  | 33  | 32   | 30  | 28   | 26  | 20  | 18   |
| KWD4-5      | 1                |                  | 47   | 46   | 45  | 43  | 41   | 40  | 36   | 34  | 28  | 25   |
| KWD4-6      | 1.3              |                  | 56.5 | 55   | 54  | 52  | 51   | 49  | 45   | 42  | 36  | 33   |
| KWD4-7      | 1.5              |                  | 69   | 67   | 66  | 64  | 62   | 61  | 57   | 53  | 47  | 31.5 |

性能曲线说明 Performance Curve Description

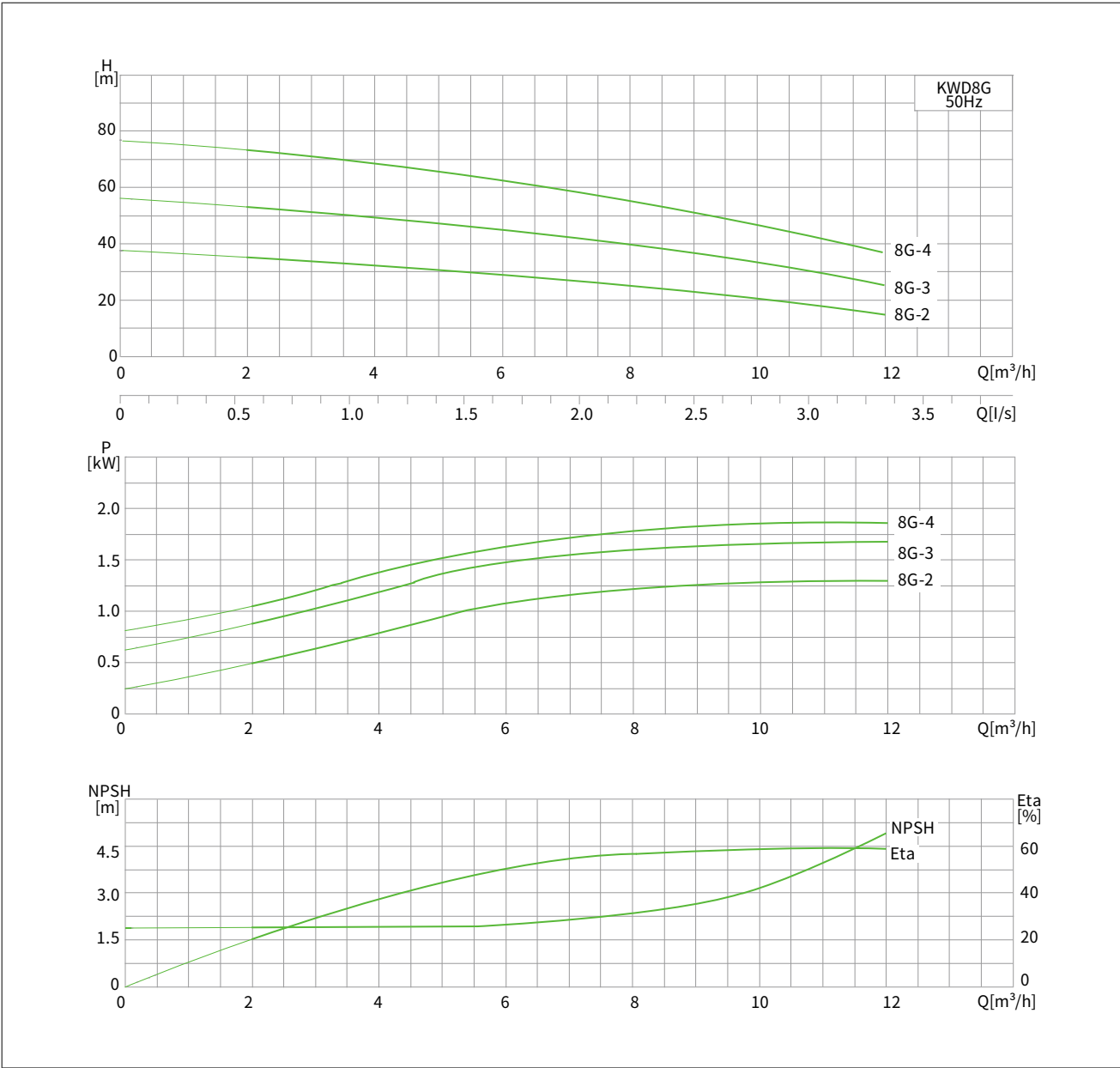


性能曲线说明 Performance Curve Description

| 型号<br>Model | 功率<br>Power [kW] | 流量<br>Flow(m³/h) | 2.0  | 4.0  | 6.0  | 8.0 | 10.0 | 12.0 | 14.0 | 16.0 |
|-------------|------------------|------------------|------|------|------|-----|------|------|------|------|
| KWD8-2      | 0.75             | 扬程<br>H(m)       | 20.5 | 20   | 19.5 | 18  | 16   | 13   | 9.5  | 6.5  |
| KWD8-3      | 1                |                  | 31   | 30   | 29.5 | 27  | 24   | 19   | 15.5 | 11   |
| KWD8-4      | 1.5              |                  | 42   | 40.5 | 39.5 | 36  | 32   | 26   | 22   | 15.5 |
| KWD8-5      | 2.2              |                  | 53   | 51   | 50   | 45  | 40   | 32   | 29   | 20.5 |
|             |                  |                  |      |      |      |     |      |      |      |      |



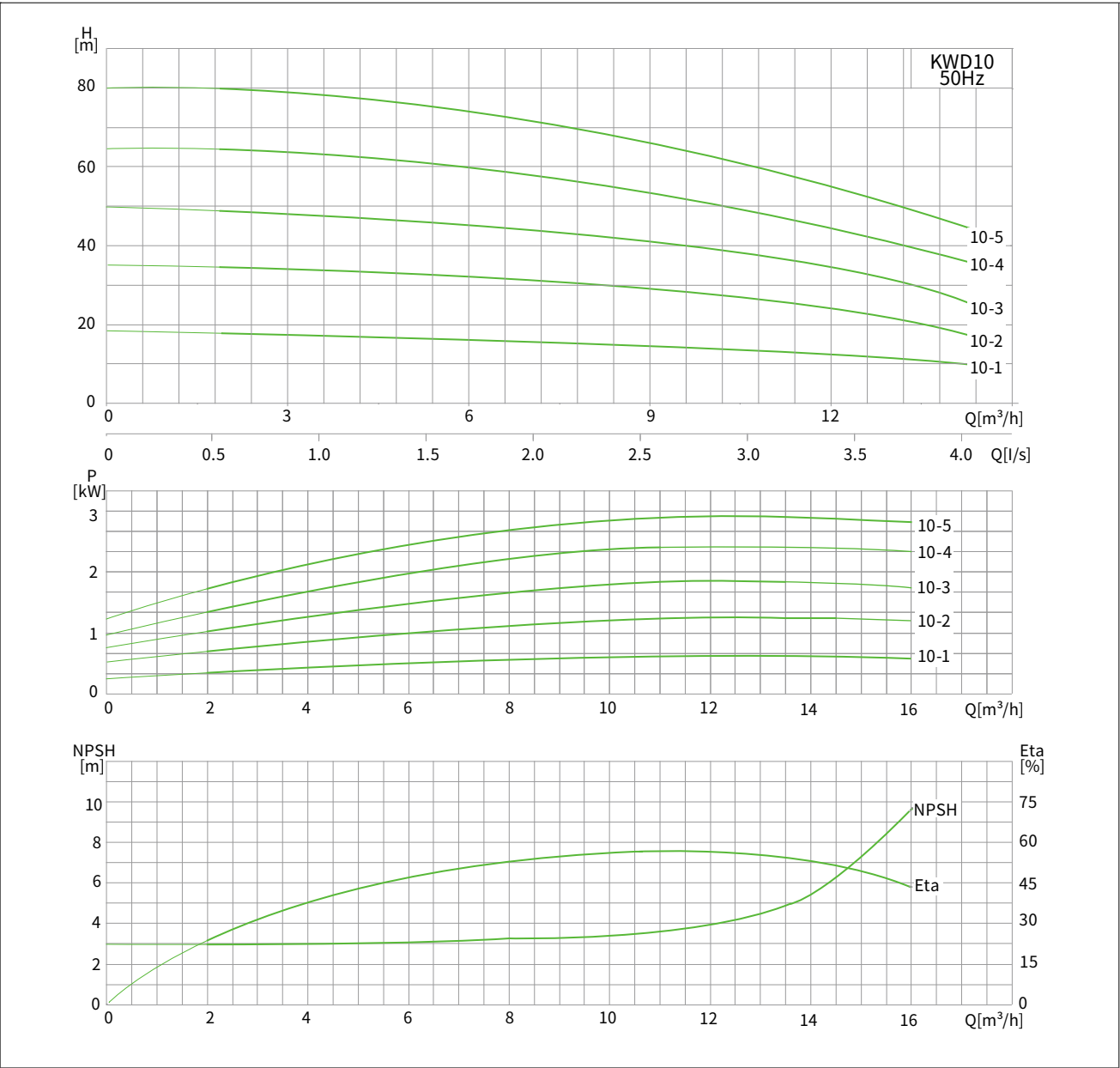
性能曲线说明 Performance Curve Description



性能曲线说明 Performance Curve Description

| 型号<br>Model | 功率<br>Power [kW] | 流量<br>Flow(m³/h) | 2.0  | 4.0  | 6.0  | 8.0  | 10.0 | 12.0 |
|-------------|------------------|------------------|------|------|------|------|------|------|
| KWD8G-2     | 1                | 扬程<br>H(m)       | 34   | 31.5 | 28   | 24.5 | 20   | 15   |
| KWD8G-3     | 1.85             |                  | 53.5 | 50   | 45.5 | 40   | 33   | 25.5 |
| KWD8G-4     | 2.2              |                  | 71.5 | 68   | 62   | 54   | 46   | 35   |

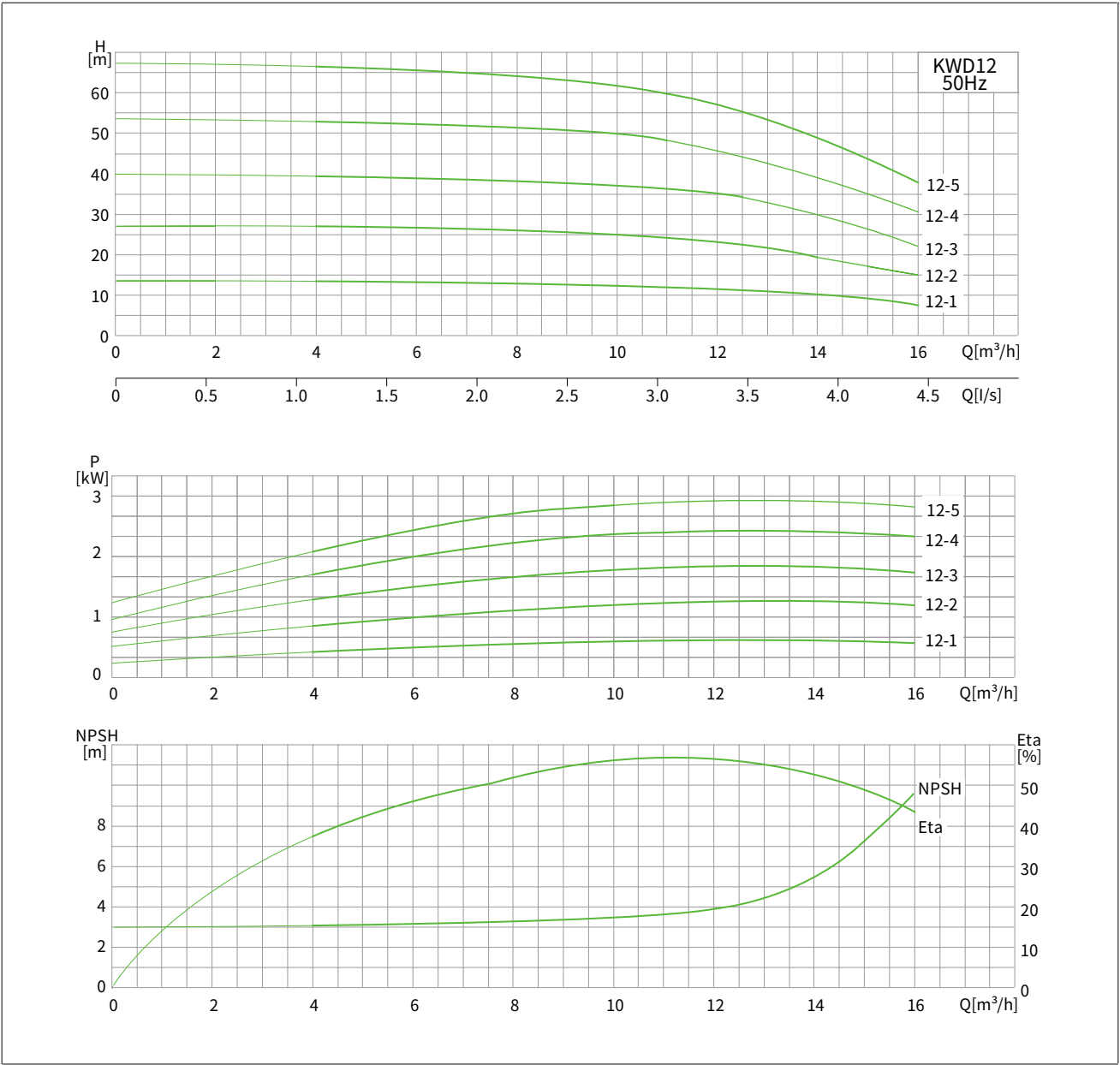
性能曲线说明 Performance Curve Description



性能曲线说明 Performance Curve Description

| 型号<br>Model | 功率<br>Power [kW] | 流量<br>Flow(m³/h) | 2.0  | 4.0 | 6.0  | 8.0  | 10.0 | 12.0 | 14.0 |
|-------------|------------------|------------------|------|-----|------|------|------|------|------|
| KWD10-1     | 0.75             | 扬程<br>H(m)       | 15.5 | 15  | 14.5 | 13.5 | 12   | 10.5 | 7.5  |
| KWD10-2     | 1.3              |                  | 31.5 | 31  | 29.5 | 27   | 25   | 21   | 16   |
| KWD10-3     | 2.2              |                  | 47.5 | 47  | 45.5 | 43   | 38   | 33   | 26   |
| KWD10-4     | 2.7              |                  | 63   | 62  | 60   | 56   | 51   | 44   | 33   |
| KWD10-5     | 3                |                  | 79   | 78  | 74   | 70   | 64   | 54   | 41   |

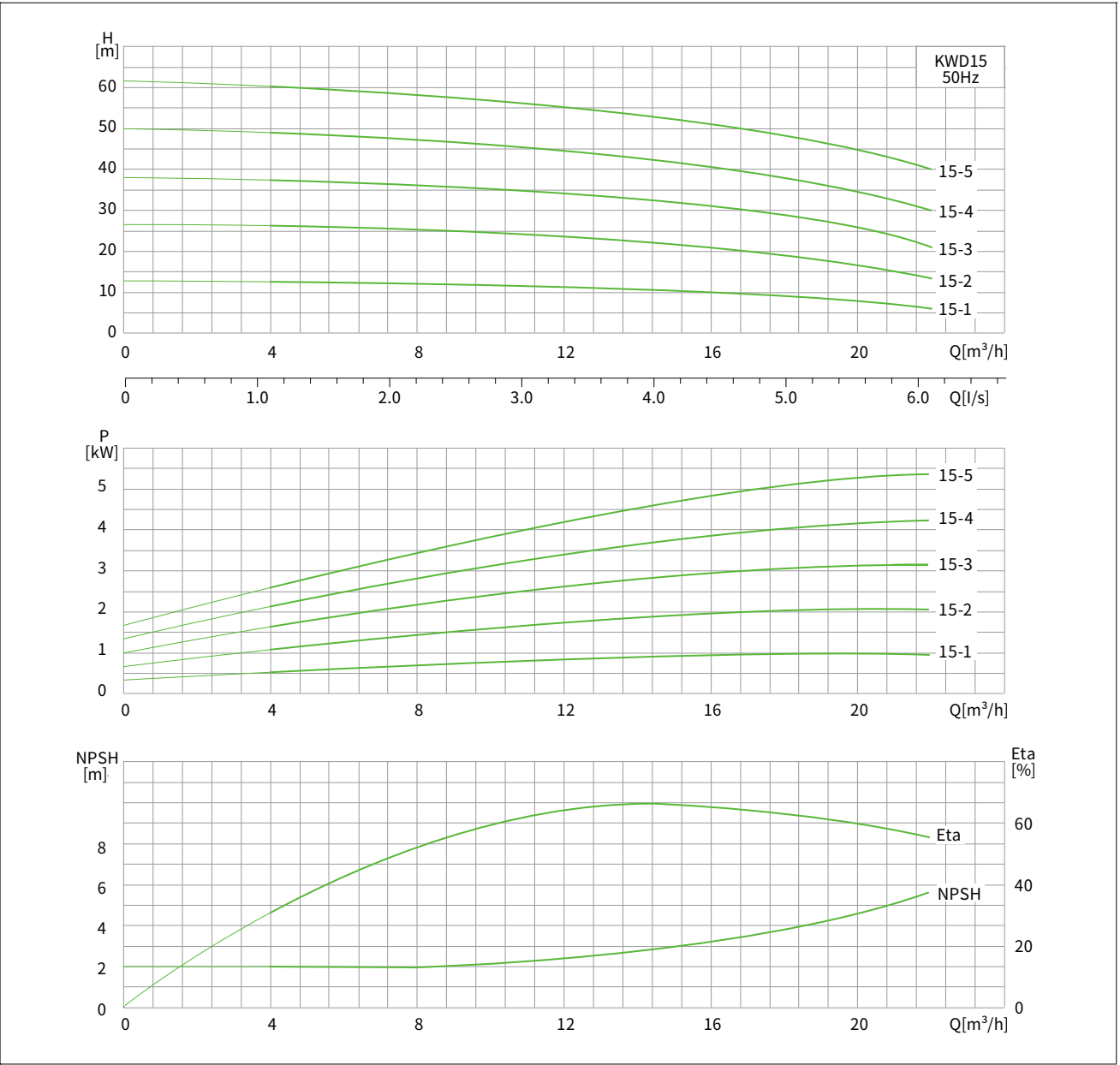
性能曲线说明 Performance Curve Description



性能曲线说明 Performance Curve Description

| 型号<br>Model | 功率<br>Power [kW] | 流量<br>Flow(m³/h) | 4.0  | 8.0 | 10.0 | 12.0 | 14.0 | 16.0 |
|-------------|------------------|------------------|------|-----|------|------|------|------|
| KWD12-1     | 0.75             | 扬程<br>H(m)       | 13.2 | 13  | 12.5 | 12   | 10   | 7.5  |
| KWD12-2     | 1.3              |                  | 26.5 | 26  | 25.5 | 24   | 20   | 15   |
| KWD12-3     | 2.2              |                  | 39.5 | 39  | 38   | 36   | 30   | 22   |
| KWD12-4     | 2.7              |                  | 53   | 52  | 50   | 47   | 39   | 29   |
| KWD12-5     | 3                |                  | 66.5 | 65  | 63   | 58   | 49   | 36   |

性能曲线说明 Performance Curve Description

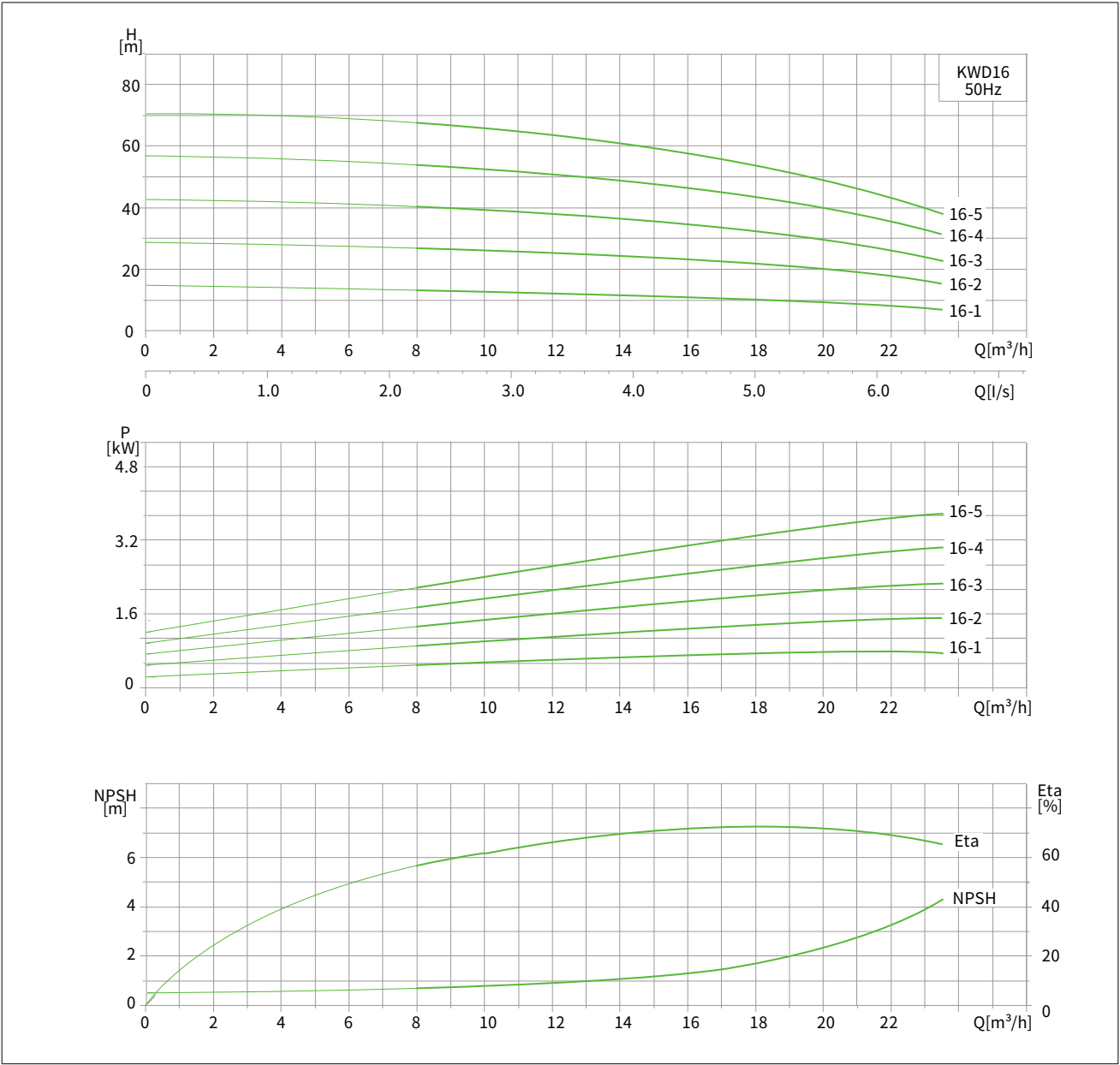


性能曲线说明 Performance Curve Description

| 型号<br>Model | 功率<br>Power [kW] | 流量<br>Flow(m³/h) | 4.0  | 6.0  | 8.0  | 10.0 | 12.0 | 15.0 | 18.0 | 20.0 | 22.0 |
|-------------|------------------|------------------|------|------|------|------|------|------|------|------|------|
| KWD15-1     | 1.3              | 扬程<br>H(m)       | 17   | 16.8 | 16.5 | 16   | 15.5 | 15   | 13   | 10   | 8    |
| KWD15-2     | 2.2              |                  | 35   | 34.5 | 34   | 33.5 | 32   | 30   | 26   | 22   | 18   |
| KWD15-3     | 3.5              |                  | 50   | 49   | 48   | 47.5 | 46   | 45   | 40   | 34   | 28   |
| KWD15-4     | 5.5              |                  | 70   | 69   | 68   | 67   | 64   | 60   | 52   | 44   | 36   |
| KWD15-5     | 7.5              |                  | 87.5 | 86   | 85   | 83.5 | 80   | 75   | 65   | 55   | 45   |



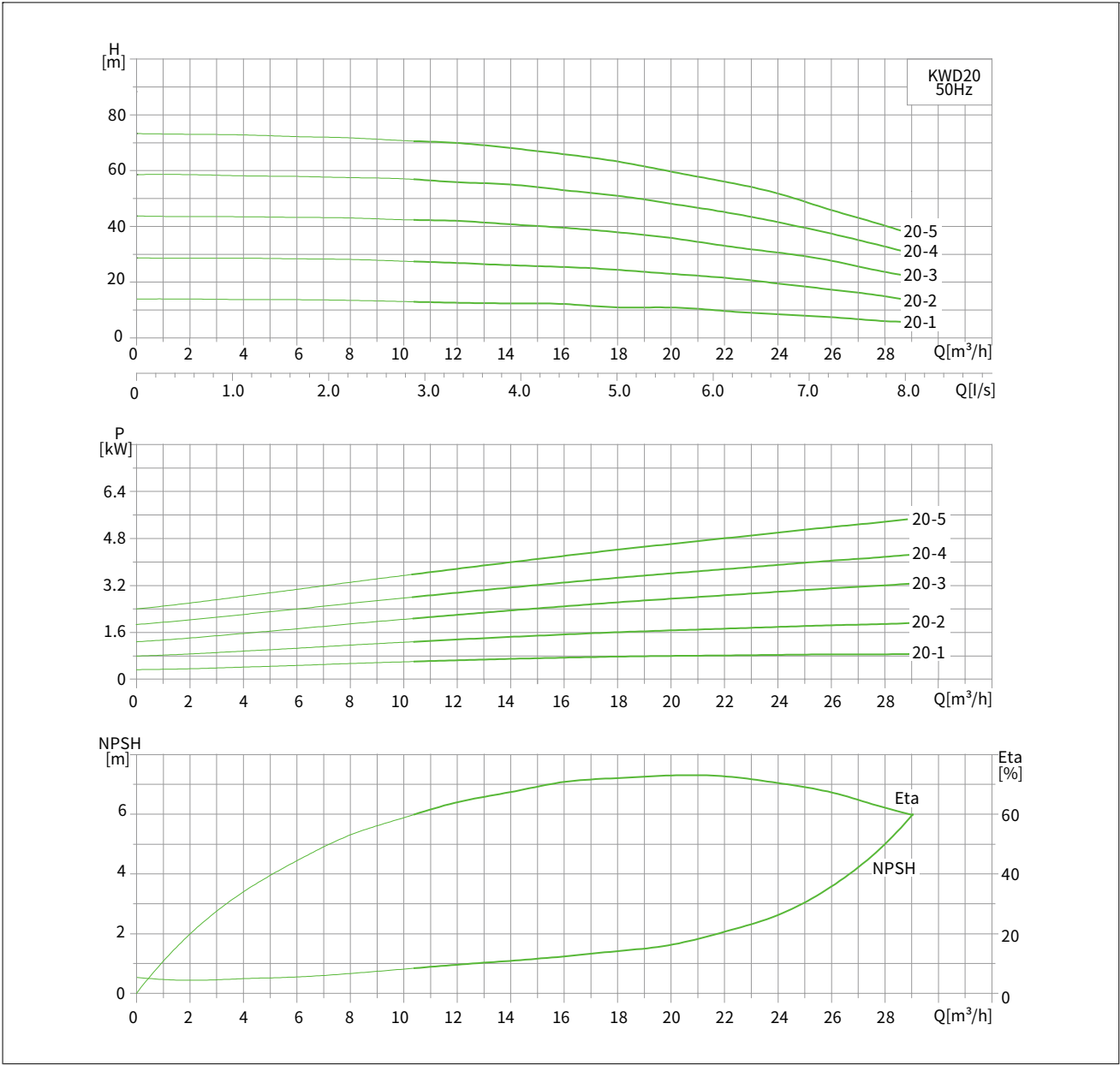
性能曲线说明 Performance Curve Description



性能曲线说明 Performance Curve Description

| 型号<br>Model | 功率<br>Power [kW] | 流量<br>Flow(m³/h) | 8.0  | 9.0 | 12.0 | 15.0 | 16.0 | 18.0 | 20.0 | 22.0 |
|-------------|------------------|------------------|------|-----|------|------|------|------|------|------|
| KWD16-1     | 1                | 扬程<br>H (m)      | 13.5 | 13  | 12   | 11   | 10.5 | 10   | 9.5  | 8    |
| KWD16-2     | 1.6              |                  | 28   | 26  | 25   | 23   | 21   | 20   | 19   | 17   |
| KWD16-3     | 2.7              |                  | 41   | 40  | 38   | 35   | 33.5 | 32   | 29   | 25   |
| KWD16-4     | 3.5              |                  | 56   | 55  | 51   | 47   | 46   | 43   | 39   | 35   |
| KWD16-5     | 4                |                  | 68   | 66  | 64   | 58   | 56.5 | 53   | 49   | 43   |

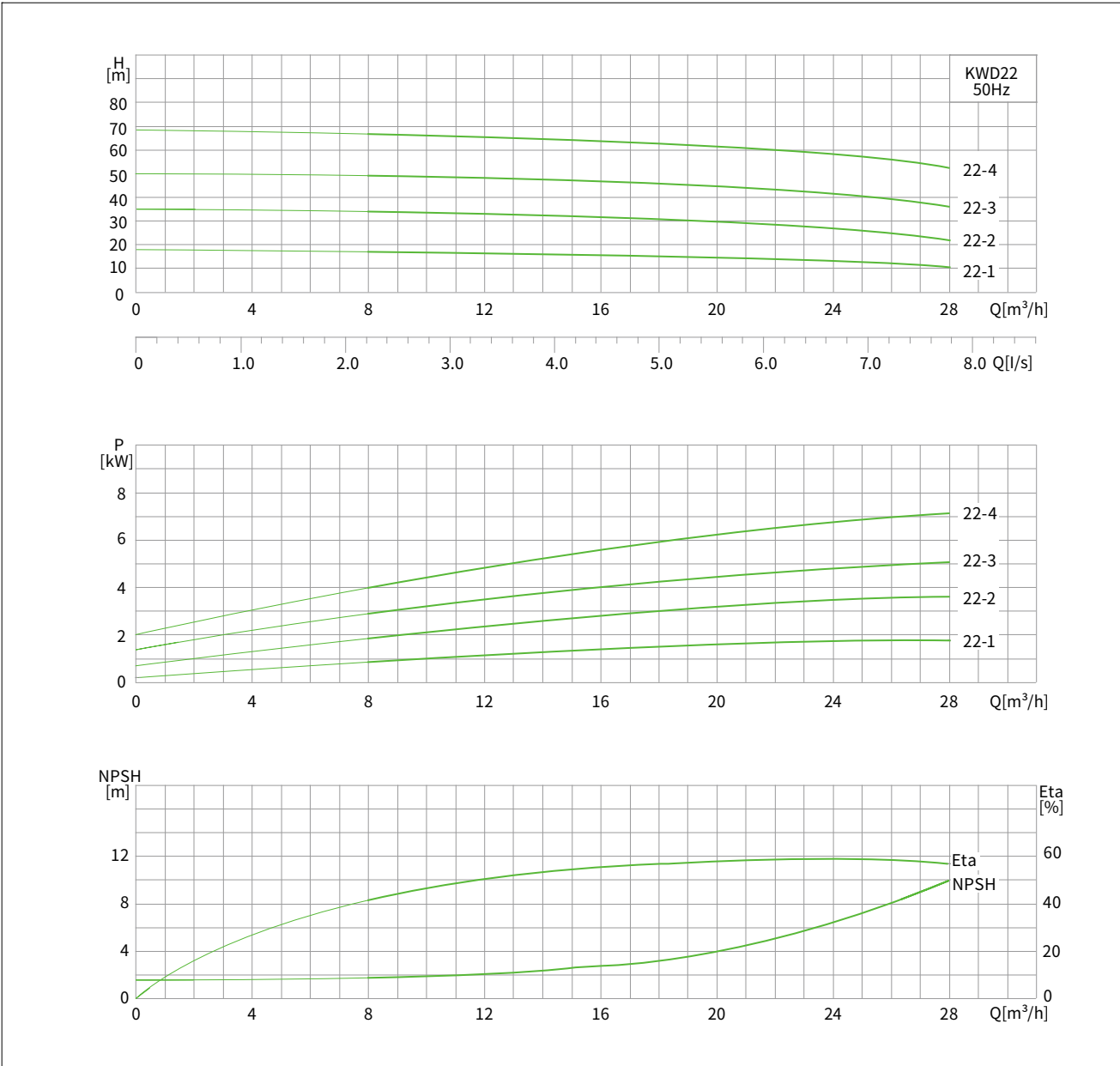
性能曲线说明 Performance Curve Description



性能曲线说明 Performance Curve Description

| 型号<br>Model | 功率<br>Power [kW] | 流量<br>Flow(m³/h) | 10.0 | 12.0 | 16.0 | 18.0 | 20.0 | 24.0 | 26.0 | 29.0 |
|-------------|------------------|------------------|------|------|------|------|------|------|------|------|
| KWD20-1     | 1                | 扬程<br>H(m)       | 13   | 13   | 12   | 11   | 10.5 | 9    | 8    | 5    |
| KWD20-2     | 2.2              |                  | 28   | 27   | 25   | 24   | 22.5 | 19   | 18   | 12   |
| KWD20-3     | 3.5              |                  | 43   | 42   | 39   | 38   | 36   | 30   | 28   | 22   |
| KWD20-4     | 4                |                  | 54   | 53   | 50   | 48   | 46   | 40   | 36   | 31   |
| KWD20-5     | 5.5              |                  | 71   | 70   | 66   | 63   | 60   | 52   | 46   | 38   |

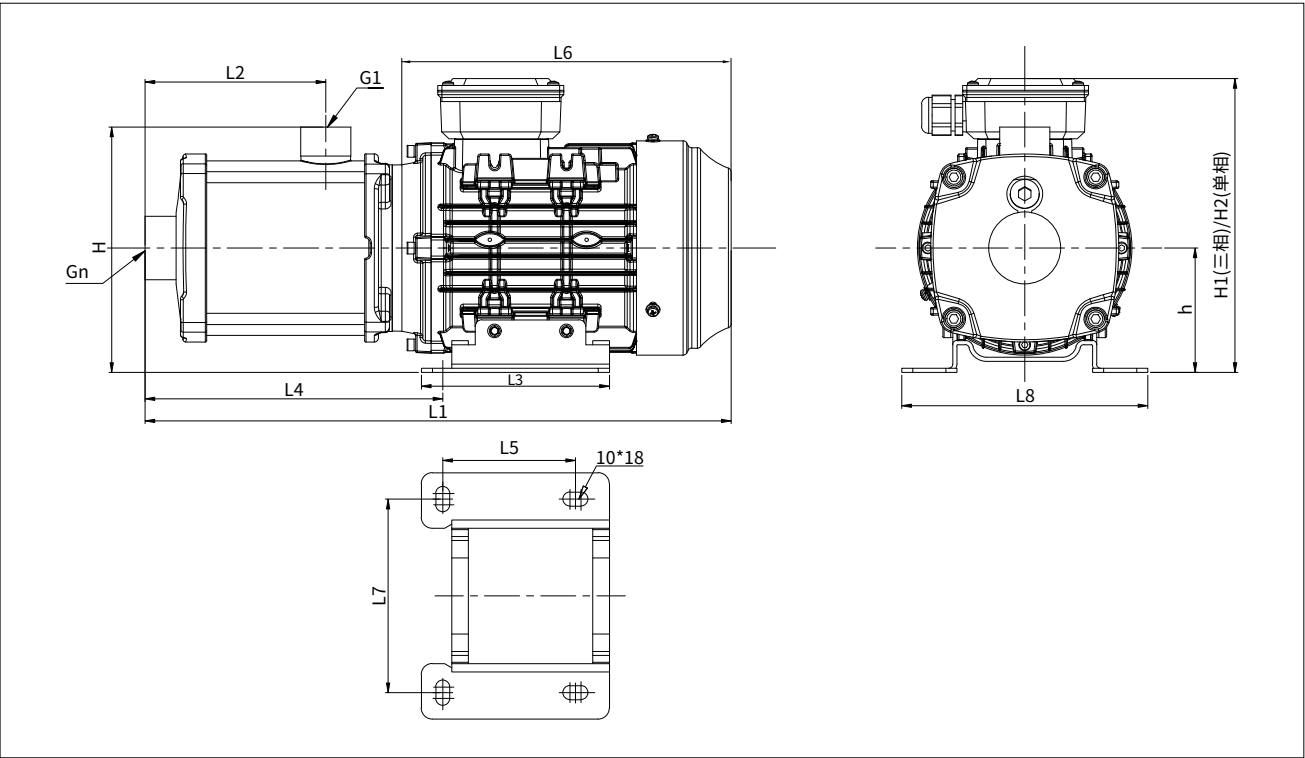
性能曲线说明 Performance Curve Description



性能曲线说明 Performance Curve Description

| 型号<br>Model | 功率<br>Power [kW] | 流量<br>Flow(m³/h) | 8.0  | 10.0 | 12.0 | 16.0 | 20.0 | 22.0 | 24.0 | 26.0 | 28.0 |
|-------------|------------------|------------------|------|------|------|------|------|------|------|------|------|
| KWD22-1     | 2.2              | 扬程<br>H(m)       | 17.5 | 17   | 16.5 | 16   | 15   | 14.5 | 14   | 12   | 10   |
| KWD22-2     | 4                |                  | 34   | 33.5 | 33   | 32   | 31   | 30   | 28   | 25   | 22   |
| KWD22-3     | 5.5              |                  | 51   | 50   | 49.5 | 48   | 46.5 | 45   | 42   | 37.5 | 33   |
| KWD22-4     | 7.5              |                  | 68   | 67   | 66   | 64   | 62   | 60   | 56   | 50   | 44   |

KWD1,2,4安装尺寸说明 Installation Dimension Description

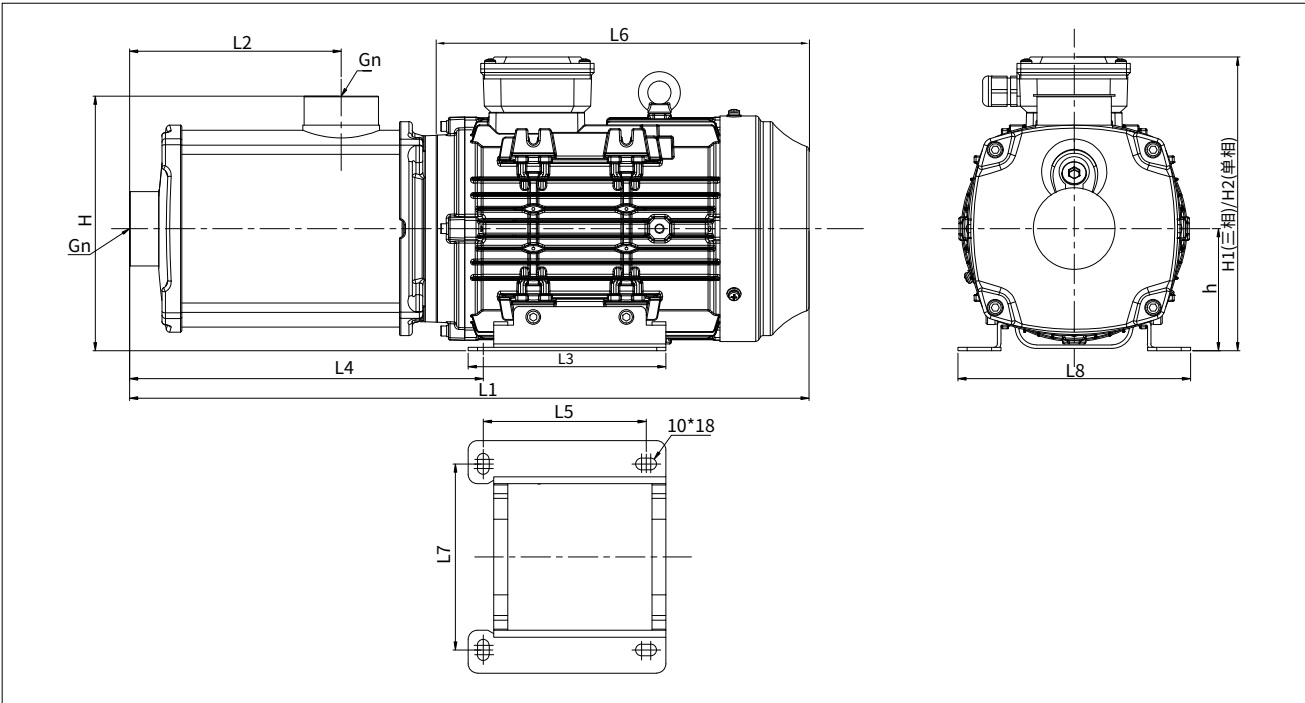


KWD1,2,4尺寸和重量 Dimensions and Weight

| 型号<br>Model | 功率<br>Power | 机座<br>Base | 尺寸Dimension(mm) |     |     |       |    |         |     |     |    |       |     |         |         |
|-------------|-------------|------------|-----------------|-----|-----|-------|----|---------|-----|-----|----|-------|-----|---------|---------|
|             |             |            | L1              | L2  | L3  | L4    | L5 | L6      | L7  | L8  | h  | n     | H   | H1 (三相) | H2 (单相) |
| KWD1-2      | 0.25        | 63#        | 322.2           | 72  | 136 | 137.1 | 96 | 202     | 125 | 158 | 75 | 1     | 163 | 182.5   | 205.5   |
| KWD1-3      | 0.25        | 63#        | 322.2           | 72  | 136 | 137.1 | 96 | 202     | 125 | 158 | 75 | 1     | 163 | 182.5   | 205.5   |
| KWD1-4      | 0.37        | 63#        | 340.2           | 90  | 136 | 155.1 | 96 | 202     | 125 | 158 | 75 | 1     | 163 | 182.5   | 205.5   |
| KWD1-5      | 0.45        | 63#        | 358.2           | 108 | 136 | 173.1 | 96 | 202     | 125 | 158 | 75 | 1     | 163 | 182.5   | 205.5   |
| KWD1-6      | 0.45        | 63#        | 376.2           | 126 | 136 | 191.1 | 96 | 202     | 125 | 158 | 75 | 1     | 163 | 182.5   | 205.5   |
| KWD1-7      | 0.55        | 71#        | 414.7           | 144 | 136 | 211.6 | 96 | 222.5   | 125 | 158 | 75 | 1     | 163 | 191.5   | 214.5   |
| KWD2-2      | 0.37        | 63#        | 322.2           | 72  | 136 | 137.1 | 96 | 202     | 125 | 158 | 75 | 1     | 163 | 182.5   | 205.5   |
| KWD2-3      | 0.37        | 63#        | 322.2           | 72  | 136 | 137.1 | 96 | 202     | 125 | 158 | 75 | 1     | 163 | 182.5   | 205.5   |
| KWD2-4      | 0.55        | 71#        | 360.7           | 90  | 136 | 157.6 | 96 | 222.5   | 125 | 158 | 75 | 1     | 163 | 191.5   | 214.5   |
| KWD2-5      | 0.55        | 71#        | 378.7           | 108 | 136 | 175.6 | 96 | 222.5   | 125 | 158 | 75 | 1     | 163 | 191.5   | 214.5   |
| KWD2-6      | 0.75        | 71#        | 396.7           | 126 | 136 | 193.6 | 96 | 222.5   | 125 | 158 | 75 | 1     | 163 | 191.5   | 214.5   |
| KWD2-7      | 1           | 71#        | 414.7           | 144 | 136 | 211.6 | 96 | 222.5   | 125 | 158 | 75 | 1     | 163 | 191.5   | 214.5   |
| KWD4-2      | 0.37        | 63#        | 322.2           | 72  | 136 | 137.1 | 96 | 202     | 125 | 158 | 75 | 1 1/4 | 163 | 182.5   | 205.5   |
| KWD4-3      | 0.55        | 71#        | 342.7           | 72  | 136 | 140.2 | 96 | 222     | 125 | 158 | 75 | 1 1/4 | 163 | 191.5   | 214.5   |
| KWD4-4      | 0.75        | 71#        | 360.7           | 90  | 136 | 158.2 | 96 | 222     | 125 | 158 | 75 | 1 1/4 | 163 | 191.5   | 214.5   |
| KWD4-5      | 1           | 71#        | 378.7           | 108 | 136 | 176.2 | 96 | 222     | 125 | 158 | 75 | 1 1/4 | 163 | 191.5   | 214.5   |
| KWD4-6      | 1.3         | 80#        | 419.2           | 126 | 136 | 211.2 | 96 | 245     | 140 | 178 | 90 | 1 1/4 | 178 | 213.5   | 236.5   |
| KWD4-7      | 1.5         | 80#        | 437.2/467.2     | 144 | 136 | 229.2 | 96 | 245/275 | 140 | 178 | 90 | 1 1/4 | 178 | 213.5   | 236.5   |



KWD8,8G,10,12,15,16,20,22安装尺寸说明 Installation Dimension Description



KWD8,8G,10,12,15,16,20,22尺寸和重量 Dimensions and Weight

| 型号<br>Model | 功率<br>Power | 机座<br>Base | 尺寸Dimension(mm) |       |     |       |     |             |     |     |     |       |     |         |         |
|-------------|-------------|------------|-----------------|-------|-----|-------|-----|-------------|-----|-----|-----|-------|-----|---------|---------|
|             |             |            | L1              | L2    | L3  | L4    | L5  | L6          | L7  | L8  | h   | n     | H   | H1 (三相) | H2 (单相) |
| KWD8-2      | 0.75        | 80S#       | 419.6           | 102.5 | 136 | 211.1 | 96  | 245         | 140 | 182 | 100 | 1 1/2 | 210 | 223.5   | 246.5   |
| KWD8-3      | 1           | 80S#       | 419.6           | 102.5 | 136 | 211.1 | 96  | 245         | 140 | 182 | 100 | 1 1/2 | 210 | 223.5   | 246.5   |
| KWD8-4      | 1.5         | 90D#       | 480.1           | 132.5 | 136 | 246.6 | 96  | 275.5       | 140 | 182 | 100 | 1 1/2 | 210 | 230.5   | 253.5   |
| KWD8-5      | 2.2         | 90D#/90S#  | 510.1/535.1     | 162.5 | 136 | 276.6 | 96  | 275.5/300.5 | 140 | 182 | 100 | 1 1/2 | 210 | 230.5   | 253.5   |
| KWD8G-2     | 1           | 80#        | 419.6           | 102.5 | 136 | 211.1 | 96  | 245         | 140 | 182 | 100 | 1 1/2 | 210 | 223.5   | 246.5   |
| KWD8G-3     | 1.85        | 90D#       | 450.1           | 102.5 | 136 | 216.6 | 96  | 275.5       | 140 | 182 | 100 | 1 1/2 | 210 | 230.5   | 253.5   |
| KWD8G-4     | 2.2         | 90D#       | 480.1/505.1     | 132.5 | 136 | 246.6 | 96  | 275.5/300.5 | 140 | 182 | 100 | 1 1/2 | 210 | 230.5   | 253.5   |
| KWD10-1     | 0.75        | 80#        | 419.6           | 102.5 | 136 | 211.1 | 96  | 245         | 140 | 182 | 100 | 1 1/2 | 210 | 223.5   | 246.5   |
| KWD10-2     | 1.3         | 80#        | 419.6           | 102.5 | 136 | 211.1 | 96  | 245         | 140 | 182 | 100 | 1 1/2 | 210 | 223.5   | 246.5   |
| KWD10-3     | 2.2         | 90D#       | 450.1/475.1     | 102.5 | 136 | 216.6 | 96  | 275.5/300.5 | 140 | 182 | 100 | 1 1/2 | 210 | 230.5   | 253.5   |
| KWD10-4     | 2.7         | 90S#       | 505.1           | 132.5 | 136 | 246.6 | 96  | 300.5       | 140 | 182 | 100 | 1 1/2 | 210 | 230.5   | /       |
| KWD10-5     | 3           | 90L#       | 560.1           | 162.5 | 162 | 276.6 | 122 | 325.5       | 140 | 182 | 100 | 1 1/2 | 210 | 230.5   | /       |
| KWD12-1     | 0.75        | 80#        | 419.6           | 102.5 | 136 | 211.1 | 96  | 245         | 140 | 182 | 100 | 1 1/2 | 210 | 223.5   | 246.5   |
| KWD12-2     | 1.3         | 80#        | 419.6           | 102.5 | 136 | 211.1 | 96  | 245         | 140 | 182 | 100 | 1 1/2 | 210 | 223.5   | 246.5   |
| KWD12-3     | 2.2         | 90D#       | 450.1/475.1     | 102.5 | 136 | 216.6 | 96  | 275.5/300.5 | 140 | 182 | 100 | 1 1/2 | 210 | 230.5   | 253.5   |
| KWD12-4     | 2.7         | 90S#       | 505.1           | 132.5 | 136 | 246.6 | 96  | 300.5       | 140 | 182 | 100 | 1 1/2 | 210 | 230.5   | /       |
| KWD12-5     | 3           | 90L#       | 560.1           | 162.5 | 162 | 276.6 | 122 | 325.5       | 140 | 182 | 100 | 1 1/2 | 210 | 230.5   | /       |
| KWD15-1     | 1.3         | 80#        | 419.6           | 102.5 | 136 | 211.1 | 96  | 245         | 140 | 182 | 100 | 2     | 211 | 223.5   | 246.5   |
| KWD15-2     | 2.2         | 90D#/90S#  | 450.1/475.1     | 102.5 | 136 | 216.6 | 96  | 275.5/300.5 | 140 | 182 | 100 | 2     | 211 | 230.5   | 253.5   |
| KWD15-3     | 3.5         | 100#       | 507.6           | 102.5 | 170 | 224.6 | 140 | 333         | 160 | 200 | 105 | 2     | 216 | 262     | /       |
| KWD15-4     | 5.5         | 112#       | 595.6           | 132.5 | 180 | 253.6 | 140 | 391         | 180 | 230 | 120 | 2     | 231 | 290     | /       |
| KWD15-5     | 7.5         | 112#       | 625.6           | 162.5 | 180 | 283.6 | 140 | 391         | 180 | 230 | 120 | 2     | 231 | 290     | /       |
| KWD16-1     | 1           | 80#        | 404.6           | 87.5  | 136 | 196.1 | 96  | 245         | 140 | 182 | 100 | 2     | 211 | 223.5   | 246.5   |
| KWD16-2     | 1.6         | 90D#       | 435.1           | 87.5  | 136 | 201.6 | 96  | 275.5       | 140 | 182 | 100 | 2     | 211 | 230.5   | 253.5   |
| KWD16-3     | 2.7         | 90S#       | 505.1           | 132.5 | 136 | 246.6 | 96  | 300.5       | 140 | 182 | 100 | 2     | 211 | 230.5   | /       |
| KWD16-4     | 3.5         | 100#       | 582.6           | 177.5 | 170 | 299.6 | 140 | 333         | 160 | 200 | 105 | 2     | 216 | 262     | /       |
| KWD16-5     | 4           | 100#       | 627.6           | 222.5 | 170 | 344.6 | 140 | 333         | 160 | 200 | 105 | 2     | 216 | 262     | /       |

续表 continued table

| 型号<br>Model | 功率<br>Power | 机座<br>Base | 尺寸Dimension(mm) |       |     |       |     |             |     |     |     |   |     |         |         |
|-------------|-------------|------------|-----------------|-------|-----|-------|-----|-------------|-----|-----|-----|---|-----|---------|---------|
|             |             |            | L1              | L2    | L3  | L4    | L5  | L6          | L7  | L8  | h   | n | H   | H1 (三相) | H2 (单相) |
| KWD20-1     | 1           | 80#        | 404.6           | 87.5  | 136 | 196.1 | 96  | 245         | 140 | 182 | 100 | 2 | 211 | 223.5   | 246.5   |
| KWD20-2     | 2.2         | 90D#/90S#  | 435.1/460.1     | 87.5  | 136 | 201.6 | 96  | 275.5/300.5 | 140 | 182 | 100 | 2 | 211 | 230.5   | 253.5   |
| KWD20-3     | 3.5         | 100#       | 537.6           | 132.5 | 170 | 254.6 | 140 | 333         | 160 | 200 | 105 | 2 | 216 | 262     | /       |
| KWD20-4     | 4           | 100#       | 582.6           | 177.5 | 170 | 299.6 | 140 | 333         | 160 | 200 | 105 | 2 | 216 | 262     | /       |
| KWD20-5     | 5.5         | 112#       | 685.6           | 222.5 | 180 | 343.6 | 140 | 391         | 180 | 230 | 120 | 2 | 231 | 290     | /       |
| KWD22-1     | 2.2         | 90D#/90S#  | 450.1/475.1     | 102.5 | 136 | 216.6 | 96  | 275.5/300.5 | 140 | 182 | 100 | 2 | 211 | 230.5   | 253.5   |
| KWD22-2     | 4           | 100#       | 507.6           | 102.5 | 170 | 224.6 | 140 | 333         | 160 | 200 | 105 | 2 | 216 | 262     | /       |
| KWD22-3     | 5.5         | 112#       | 565.6           | 102.5 | 180 | 223.6 | 140 | 391         | 180 | 230 | 120 | 2 | 231 | 290     | /       |
| KWD22-4     | 7.5         | 112#       | 595.6           | 132.5 | 180 | 253.6 | 140 | 391         | 180 | 230 | 120 | 2 | 231 | 290     | /       |

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