

浙江雷客泵业有限公司
浙江·湖州·长兴

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LAIKO® 雷客



详细资料请参考：官网修改，恕不另行通知。 VERSION: 2025.04.07

AWD



AWD卧式多级离心泵

Horizontal Multi-Stage Centrifugal Pump Series

泵与系统解决方案提供商

股票简称: 大元泵业
股票代码: 603757

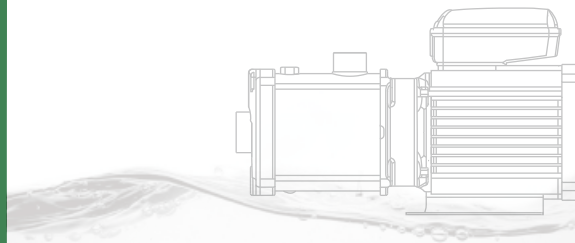
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Horizontal Multi-Stage Centrifugal Pump Series

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Superior in Pump,
Superior in Energy-Saving.

懂水 更懂节能

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LAIKO浙江雷客泵业有限公司 泵与系统解决方案提供商

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!

Pump and System Solution Provider

LAIKO Pump(Zhejiang) Co., Ltd. is a subsidiary of Zhejiang Dayuan Pumps Industrial Co., Ltd. (Stock code: 603757), focusing on the research and manufacturing of energy-saving pumps.

LAIKO's applications cover the fields of construction, municipal, and industrial sectors. Currently, we have product lines including Inline Multistage Pumps, Inline Circulation Pumps, Horizontal Multistage Pumps, Cold and Hot Water Circulation Pipeline Pumps, Single-Stage Centrifugal Pumps, Standard Centrifugal Pumps, Stainless steel Horizontal Single-Stage Centrifugal Pumps, Submersible Sewage Pumps, and Immersed Multistage Centrifugal Pumps. Our products are exported to many countries and regions in Europe, America, and Asia, meeting local legal requirements and obtaining recognition from clients.

A standard research and development, production, sales, and service system has laid the core competitiveness and sustainable development space for LAIKO. Reliable product quality and thoughtful after-sales service have earned LAIKO widespread reputation.

LAIKO maintains a pioneering spirit, always adheres to the concept of technological innovation, and never stops exploring energy-saving endeavors!

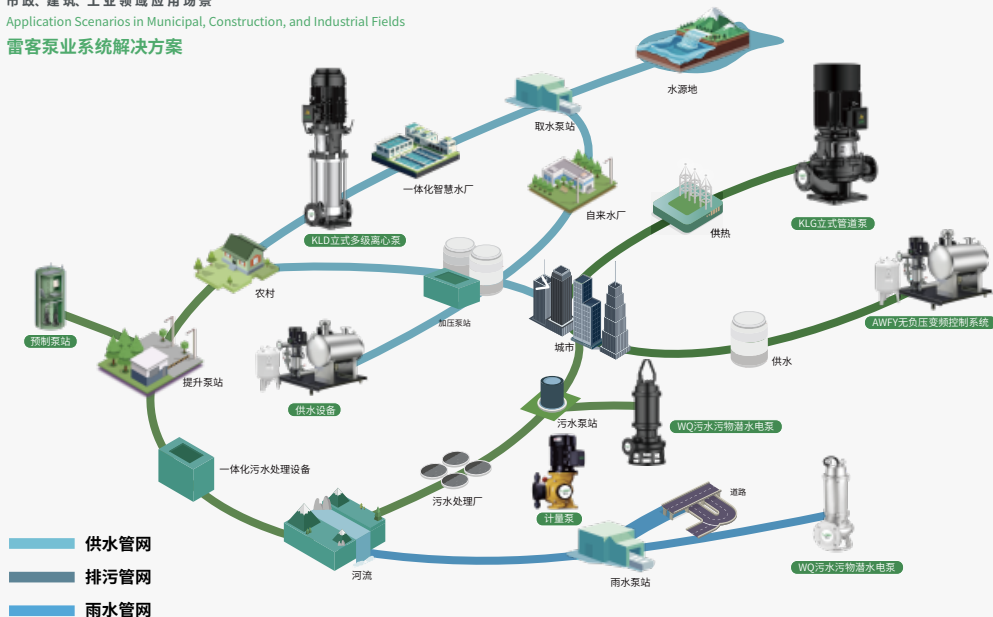
SYSTEM SOLUTION

LAIKO® 雷客

市政、建筑、工业领域应用场景

Application Scenarios in Municipal, Construction, and Industrial Fields

雷客泵业系统解决方案



LAIKO

Superior in Pump, Superior in Energy-Saving.

懂水 更懂节能

品牌文化

BRAND CULTURE

愿景 / 使命 / 价值观

为泵行业节能革新注入新活力

聚焦高效节能泵解决方案

以人为本 精益求精

上善若水 / 水润万物 / 绿色节能 / 领先标准

Injecting new vitality into energy-saving innovation in the pump industry

Focusing on efficient and energy-saving pump solutions

Putting people first and striving for excellence

专注专业 绿色创新 高效执行 合作共赢

Dedication and Professionalism, Green Innovation, Efficient Execution, and Win-Win Cooperation!

LAIKO® 雷客

SINCE 1990

2022 ● LAIKO® 雷客

雷客泵业成立

节能泵的研发与制造，泵与系统解决方案提供商

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，

成立了浙江雷客泵业有限公司（简称：浙江雷客），综合实力位居行业前列。

工业4.0标准的第二代绿色智能工厂占地近200亩，年产超700万台，投资总额超10亿元。

浙江雷客已在全国建立了完善的销售与服务网络，在各大城市均设有直属办事处。产品远销欧美亚多个国家和地区。中国雷客，泵发全球。

2017 ● Da/Yuan 大元

大元泵业 上交所主板上市

股票简称：大元泵业 股票代码603757

连续6年获上交所A级最高评价

2007 ● Shinhoo 新沪

安徽新沪/合肥新沪/新沪新能源成立

国内屏蔽泵的高新技术及领军企业

中国化工泵行业领军企业

液冷泵技术中国领导者

以家庭用屏蔽泵、工业用屏蔽泵、液冷泵为代表的屏蔽泵，应用领域主要包括家庭场景下的水循环（含家用电器配套）、化工、制冷、半导体与电子工业、核工业、航天工业、医用设备制造等方面。



1990年 浙江大元泵业成立

全球知名民用泵设计研发制造商

以小型潜水电泵、井用潜水电泵、陆上泵等全系列民用泵产品，该类产品被广泛应用于农林畜牧、家庭生活服务、土建施工、市政环保等领域，是国内民用泵的领军品牌，内贸销售网点仅10000家，遍布全国各地。

技术创新 专利护航

R&D STRENGTH

LAIKO® 雷客



作为大元泵业旗下品牌，

拥有研发人员177名+专利超352项的實力积淀，

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。

346

境内专利

29

发明专利

242

新型实用专利

75

外观设计专利

6

境外专利

As a brand under Dayuan Pump Group, we have a strong foundation with over 177 R&D personnel and more than 352 patents. Our products have been honored with titles such as "Zhejiang Famous Brand Product" and "Zhejiang Export Famous Brand," and are exported to multiple countries and regions across Europe, America, and Asia. Our comprehensive strength ranks among the top in the industry. Through years of continuous investment in research and development, we have established a significant technological innovation advantage.



绿色智慧工厂 GREEN SMART FACTORY

- ① 生产设备智能化改造
- ② 检测包装智能化
- ③ 物流仓储智能化
- ④ 绿色环保发展

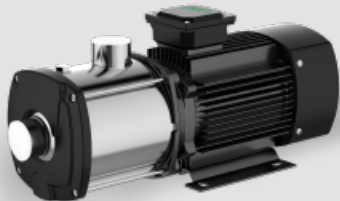
Automated and Intelligent Production Systems
Automated and Intelligent Logistics Systems
Automated and Intelligent Packaging Inspection
Green and Sustainable Development

大元泵业集团及子公司雷客泵业重要战略布局，
占地面积近200亩，总投资近10亿元，年产700万台，
是集生产、研发、制造、物流于一体的现代化绿工厂。

Dayuan Pump Group and its subsidiary Laiko Pump Industry have implemented a significant strategic layout. Covering an area of nearly 200 acres with a total investment of approximately 1 billion RMB, the facility has an annual production capacity of 7 million units. It is a modern integrated factory that combines production, research and development, manufacturing, and logistics.

AWD卧式多级离心泵

高效节能 | 静音轻巧 | 耐腐蚀



技术参数/TECHNICAL DATA

流量范围Flow range: 0.4-28m³/h 扬程范围Head range: 7.5-66.5m
功率范围Power range: 0.37-4kW 最大工作压力Maximum working pressure: 10bar

AWD

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 (water purification)
工业清洗系统	Industrial cleaning system
液体的输送、循环和提升	Transportation, circulation and lifting of liquids
热水和冷水	Hot water and cold water
食品饮料、制药行业等	Food and beverage, pharmaceutical industry, etc

AWD为半自吸卧式多级离心泵,具有高效率、低噪声、耐轻度腐蚀及结构紧凑、外形美观、体积小、重量轻等特点;泵为轴向吸入,径向排出,关键过流部件采用不锈钢冲压焊接工艺。产品适宜稀薄、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℃

海拔: 最高1000m

最高环境温度: +40℃

最大工作压力: 10bar

The AWD is a non-self-priming horizontal multi-stage centrifugal pump, featuring high efficiency, low noise, resistance to mild corrosion, as well as compact structure, attractive appearance, small size and light weight. The pump has an axial suction and a radial discharge, and the key flow passage components are manufactured by using the stainless steel stamping and welding process. The product is suitable for thin, clean, non-corrosive, non-flammable and non-explosive liquids that do 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. For more details, consult us please.

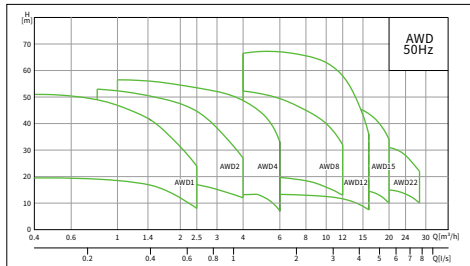
Liquid temperature: common temperature type: -20℃~+70℃
hot water type: -20℃~+105℃

Altitude: up to 1000m

Maximum ambient temperature: +40℃

Maximum working pressure: 10bar

性能范围 Performance Range



产品概述 Product Overview

AWD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

AWD 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:

- 所有曲线都基于电机在恒速2900rpm的测量值。
- 曲线容差符合ISO9906:2012。
- 测试采用20°C不含空气的水，运动粘度1mm²/s。
- 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:

- All curves are based on measurements at constant speeds of 2900rpm.
- The curve tolerances comply with ISO9906:2012.
- The test uses 20°C water without air and the kinematic viscosity is 1 mm²/s.
- 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°C~+70°C

热水型: -20°C~+105°C

最大运行压力: 10bar

海拔: 最高1000m

最高环境温度: +40°C

最大行程: 与泵的李PSH(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: 1×220-240V, 50Hz

1×380-415V, 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: 1×220-240V, 50Hz

1×380-415V, 50Hz

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

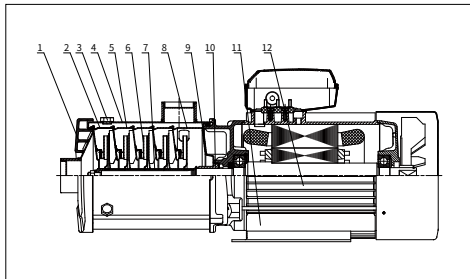
Single-phase motor is equipped with built-in thermal overload protection, and three-phase motor must be connected to a motor starter according to local regulations.

型号说明 Model Description

AWD 4 - 3 - L - m - W - S - C

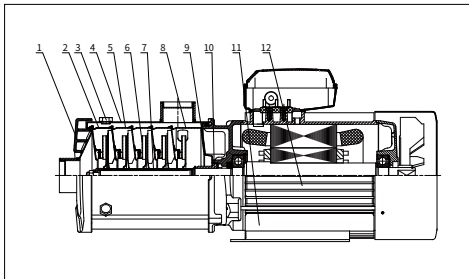
- C: 常温型; R: 热水型 C: common temperature type; R: hot water type
- S: 304; L: 316L
- W: 50Hz; L: 60Hz
- 三相(≤3kW为220/380V; >3kW为380V)(略) m: 单相220V three-phase(≤3kW is 220/380V; >3kW is 380V)(omitted)
- m: single-phase 220V
- 螺栓连接 threaded connection
- 叶轮数 impeller stages
- 额定流量 rated flow (m³/h)
- 卧式多级离心泵 horizontal multi-stage centrifugal pump

AWD1, 2, 4结构图 Structure Diagram



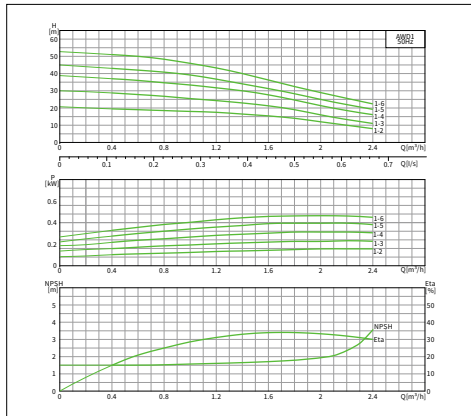
序号No.	名称Name	材料Materials	GB	AISI/ASTM
1	泵盖Pump cover	压铸铝Die-cast aluminum	GB/T 15115-YL113	ASTM383.1
2	首级导流体First diffuser	不锈钢Stainless steel	GB/T 20878-06Cr19Ni10	AISI304
3	螺塞Plug	不锈钢Stainless steel	GB/T 20878-06Cr19Ni10	AISI304
4	叶轮Impeller	不锈钢Stainless steel	GB/T 20878-06Cr19Ni10	AISI304
5	泵体Pump 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	底板Baseplate	钢板Steel plate	/	/
12	电机Motor	/	/	/

AWD8, 12, 15, 25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	首级导流体First diffuser	不锈钢Stainless steel	GB/T 20878-06Cr19Ni10	AISI304
3	螺塞Plug	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	底板Baseplate	钢板Steel plate	/	/
12	电机Motor	/	/	/

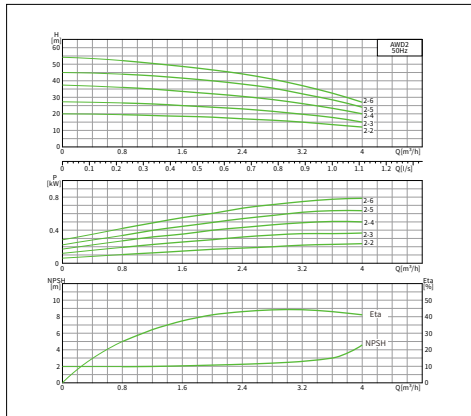
性能曲线说明 Performance Curve Description



性能曲线说明 Performance Curve Description

型号 Model	功率Power (kW) (HP)	流量Flow(m³/h) L/min	0.4 7	0.6 10	0.8 13	1 16	1.2 20	1.4 23	1.6 30	1.8 33	2 40	2.4 40
AWD1-2	0.37	0.5	19.5	19	18.5	18	17.5	17	14	12	8	
AWD1-3	0.37	0.5	29	28.5	26	25	24.5	23.5	19	16	11	
AWD1-4	0.37	0.5	37	36	35	33	32	30	26	20	17	
AWD1-5	0.37	0.5	43	42	41	40	36	34	27	22	20	
AWD1-6	0.37	0.5	51	50	49	46	44	42	32	26	24	

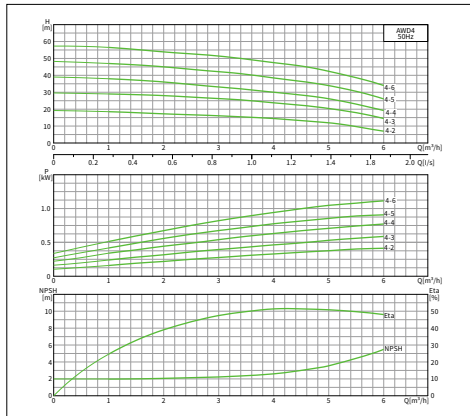
性能曲线说明 Performance Curve Description



性能曲线说明 Performance Curve Description

型号 Model	功率Power (kW) (HP)	流量Flow(m³/h) L/min	0.8 13	1.2 20	1.6 27	2 33	2.4 40	2.8 47	3.2 53	3.6 60	4 67
AWD2-2	0.37	0.5	19.5	19	18.5	18	17	16.5	14.5	13.5	12
AWD2-3	0.37	0.5	27	26	25	24	23	22	20	17	15
AWD2-4	0.55	0.75	36	35	34	32	31	29	27	23	20
AWD2-5	0.55	0.75	44	43	42	40	38	36	33	28.5	24
AWD2-6	0.75	1	53	51.5	48	47	45	41	36	31.5	27

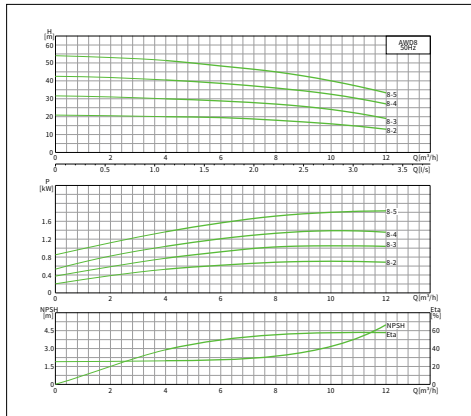
性能曲线说明 Performance Curve Description



性能曲线说明 Performance Curve Description

型号	功率Power		流量Flow(m³/h)	1	1.6	2.2	2.8	3.4	4	4.6	5.2	5.8	6
Model	(kW)	(HP)	L/min	17	27	37	47	57	67	77	87	97	100
AWD4-2	0.55	0.75	H(m)	18.5	18	17	16	15.5	15	13.5	12	8	7
AWD4-3	0.55	0.75		29	28.5	28	26	25.5	25	23	21	16	14
AWD4-4	0.75	1		38	37	36	33	32	30	28	26	20	18
AWD4-5	1.1	1.5		47	46	45	43	41	40	36	34	28	25
AWD4-6	1.1	1.5		56.5	55	54	52	51	49	45	42	36	33

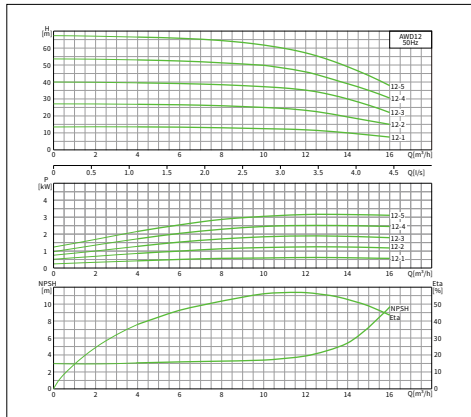
性能曲线说明 Performance Curve Description



性能曲线说明 Performance Curve Description

型号	功率Power		流量Flow(m³/h)	4	6	7	8	9	10	12
Model	(kW)	(HP)	L/min	67	100	117	133	150	167	200
AWD8-2	0.75	1	H(m)	20	19.5	19	18	17	16	13
AWD8-3	1.1	1.5		30	29.5	28	27	26	24	19
AWD8-4	1.5	2		40.5	39.5	37	36	34	32	26
AWD8-5	2.2	3		51	50	48	45	43	40	32

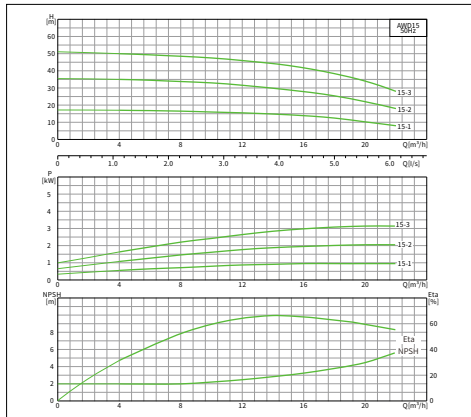
性能曲线说明 Performance Curve Description



性能曲线说明 Performance Curve Description

型号 Model	功率Power (kW) (HP)	流量Flow(m³/h) L/min	4	8	10	12	14	16
AWD12-1	0.75	1	13.2	13	12.5	12	10	7.5
AWD12-2	1.1	1.5	26.5	26	25.5	24	20	15
AWD12-3	2.2	3	39.5	39	38	36	30	22
AWD12-4	3	4	53	52	50	47	39	29
AWD12-5	3	4	66.5	65	63	58	49	36

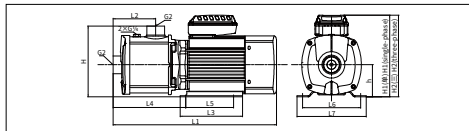
性能曲线说明 Performance Curve Description



性能曲线说明 Performance Curve Description

型号 Model	功率Power (kW) (HP)	流量Flow(m³/h) L/min	4	6	8	10	12	15	18	20	22
AWD15-1	1.1	1.5	17	16.8	16.5	16	15.5	15	13	10	8
AWD15-2	2.2	3	35	34.5	34	33.5	32	30	26	22	18
AWD15-3	4	5.5	50	49	48	47.5	46	45	40	34	28

安装尺寸说明 Installation Dimension Description



型号 Model	尺寸Dimension(mm)										重量Weight (kg)	
	L1	L2	L3	L4	L5	L6	L7	h	H	H1(单) H1(single-phase)		H2(三) H2(three-phase)
AWD22-1	444	90	180	190	141	165	200	92	202	235	224	21.2
AWD22-2	476	120	180	189	140	189	230	100	210	/	241	29