

LAIKO



KLS(T)

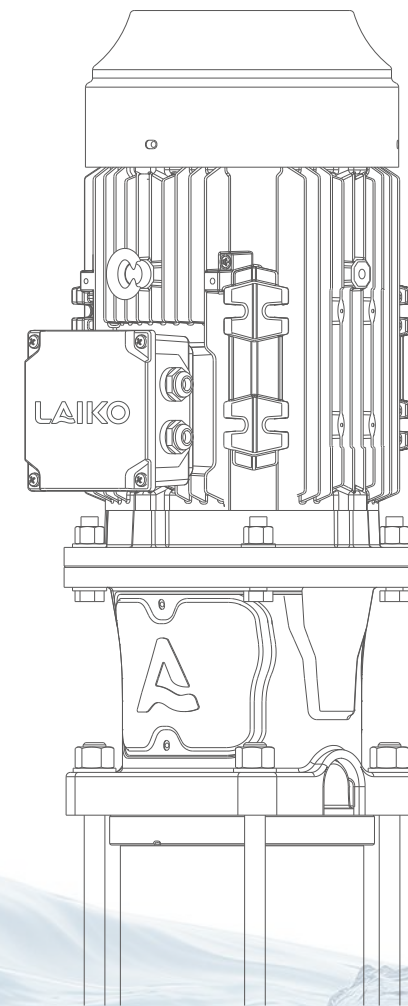
**WATER TREATMENT
SPECIAL PUMP**

LAIKO

KLS(T)

WATER TREATMENT SPECIAL PUMP

PUMP AND SYSTEM SOLUTION PROVIDER



Superior in Pump, Superior in Energy-Saving.

www.Laikopump.com



LAIKO Laiko Pump
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!

Research and manufacturing of energy-saving pumps, providing pump and system solutions

With over 34 years of accumulated strength, we have formed an alliance with top domestic water pump research and development, production, sales, and technical teams, Established Zhejiang Laiko Pump Industry Co., Ltd. (referred to as Zhejiang Leike), with comprehensive strength ranking among the top in the industry.

The second-generation green intelligent factory of Industry 4.0 standard covers an area of nearly 200 acres, with an annual output of over 7 million units and a total investment of over 1 billion yuan.

Zhejiang Laiko has established a comprehensive sales and service network nationwide, with direct offices in major cities. Our products are exported to multiple countries and regions in Europe, America, and Asia. China Laiko pumps globally.



GREEN SMART FACTORY

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.



R&D STRENGTH

346	29	242	75	6
Domestic patents	Invention Patent	New utility patent	Appearance patent	Overseas patents

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.



SERVICE COOPERATION

We have established offices in major cities across the country, supported by a professional and efficient service team. From consultation, purchase, after-sales, to maintenance, we provide high-quality, professional, timely, and attentive services at every stage.

Guided by the principle of "wholehearted dedication and customer-first," we respond quickly to customer needs, offering precise product recommendations and tailored solutions. Our comprehensive and full-cycle services ensure a worry-free experience for our customers.

SERVICE TENET: With all our heart and soul, Putting customers first

SERVICE TENET: Rapid response, Precise solution

SERVICE OBJECTIVES: Efficient O&M, Win-Win Cooperation



KLS(T)

Water Treatment Special Pump



Product Overview

The KLS/KLST is a new series of high-efficiency, energy-saving, vertical multi-stage centrifugal pumps. Its cast iron parts are made from global ink cast iron. The product has undergone new industrial design, featuring higher energy efficiency, lower noise, lower vibration, higher reliability, compact structure, appearance, and convenient use and maintenance.

Purpose and Scope of Application

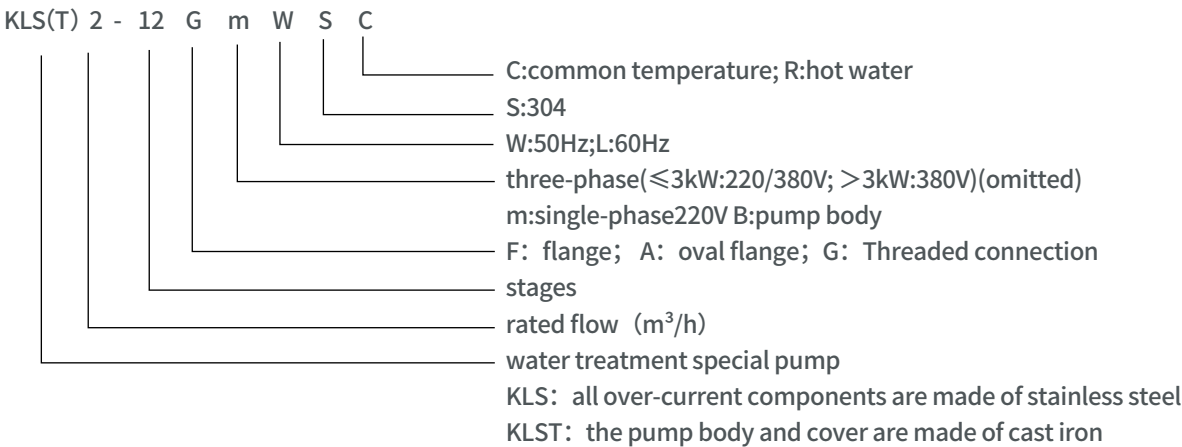
The KLS type is a non-self-priming vertical multistage centrifugal pump (hereinafter referred to as the pump), which high efficiency, low noise, resistance to mild corrosion, compact and aesthetically pleasing structure, small size, light weight, ease of use and maintenance, and sealing performance.

1. Purpose
- Suitable for conveying non-corrosive liquids with low viscosity, non-flammable, non-explosive, non-volatile, free of solid and fibers.
- Water treatment: ultrafiltration system, reverse osmosis system, distillation system, separator, swimming pool and other water treatment systems.
2. Scope of Application
- The product is suitable for low viscosity, neutral, non-explosive liquids that do not contain solid particles or fibers, and the liquid being transported not be chemically corrosive to the pump's materials.
 - Medium temperature: common temperature type-15°C~+70°C.
 - Flow range: 1~22m³/h.
 - Maximum pressure: 25bar.
 - Medium pH value: neutral.
 - Maximum ambient temperature: +40°C.
 - Highest altitude: 1000 meters.
 - Minimum import pressure: According to the NPSH curve, the minimum safe head is 0.5 meters.

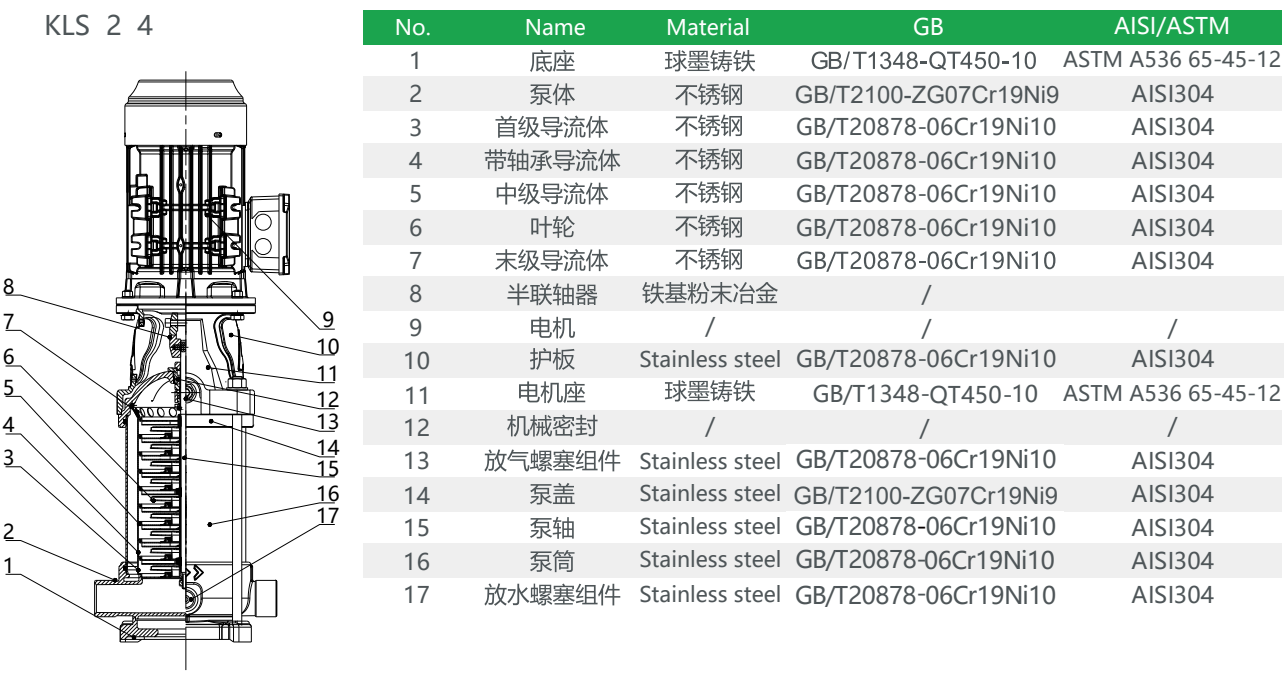
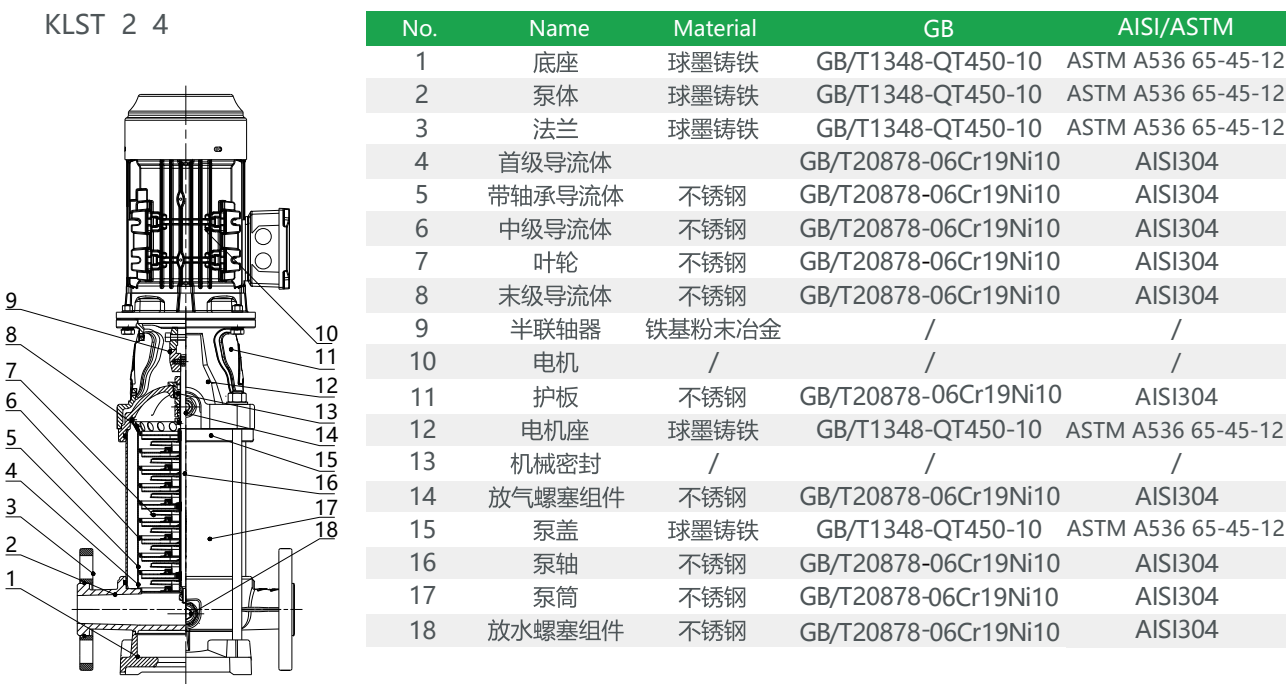
Structure Description

- The pump is mainly composed of a motor, motor base, guide body, impeller, pump cylinder, pump body, pump shaft, mechanical seal and other major components.
- The key components of the pump, such as the inducer, impeller, pump housing, and pump shaft, are all made of stainless steel The critical flow parts are made using stainless steel stamping and laser welding processes.
- The pump shaft seal is a single-face mechanical seal, with the grinding block made of graphite/hard alloy, and the inner support of the flow uses tungsten carbide.

Model Description



Structural Diagram



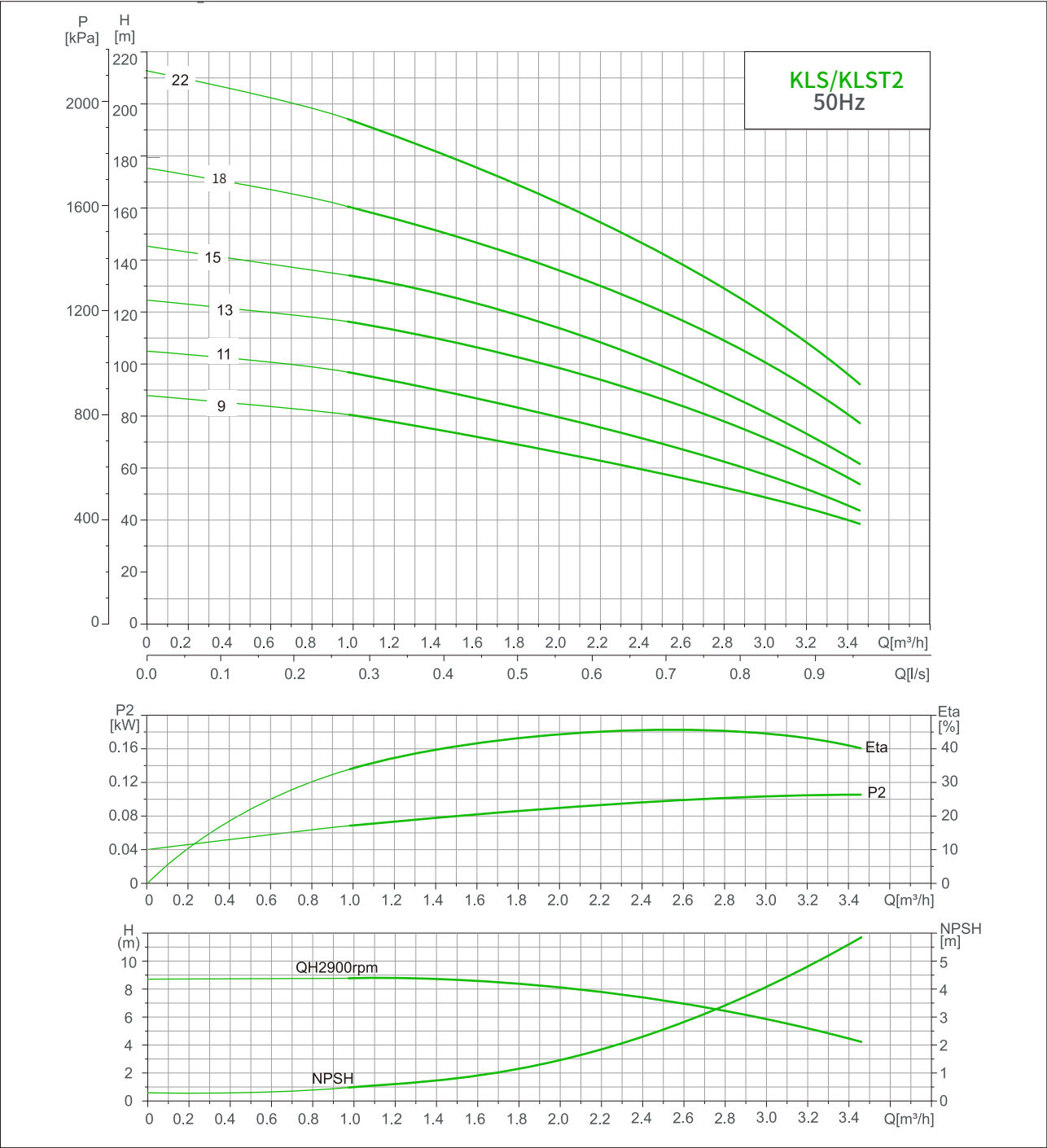
Structural Diagram



Performance Table

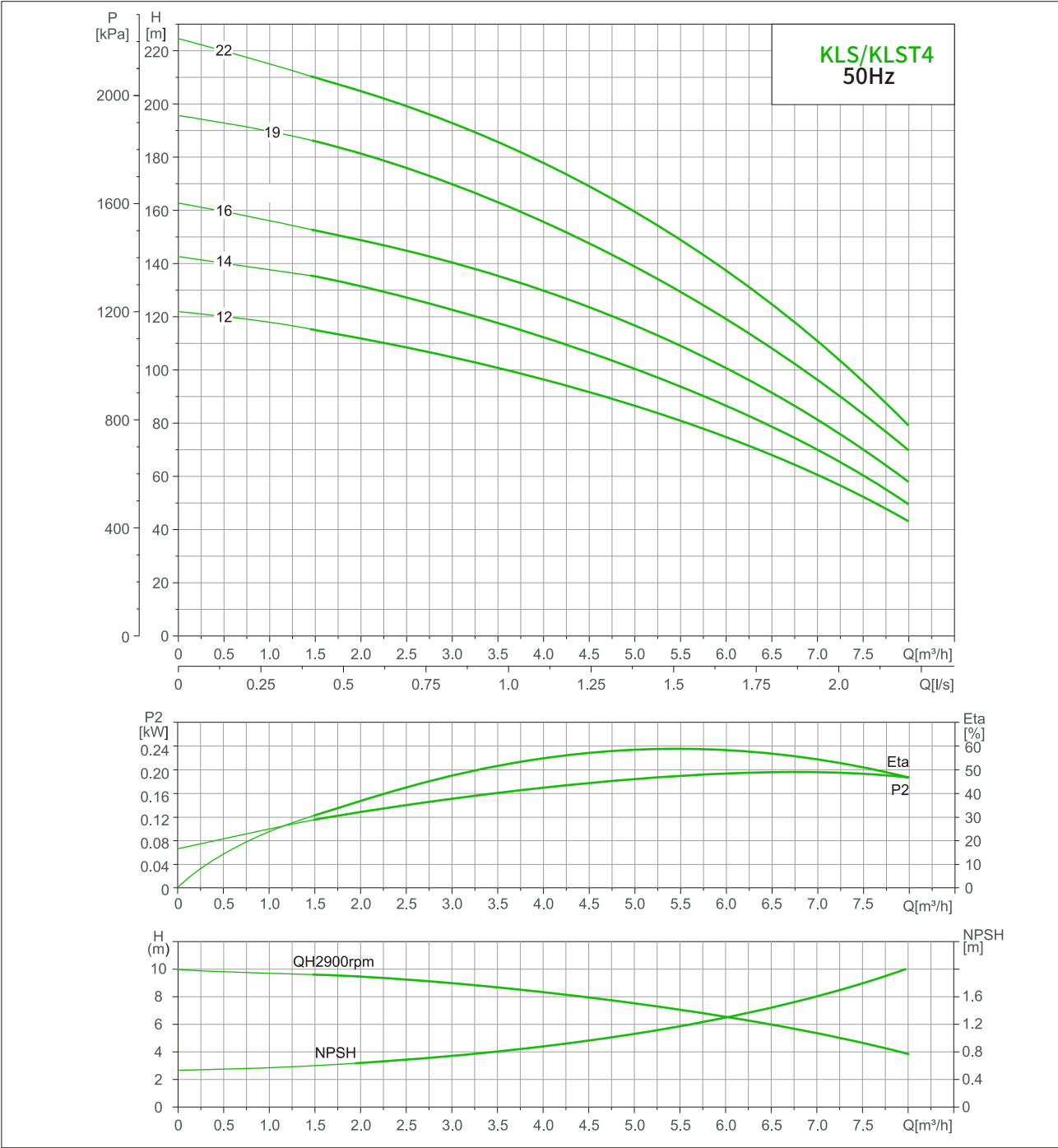
model	rated flow rate (m³/h)	rated head (m)	power (kW)	thread/flange
2-9	2	68.5	1.1	G1
2-11	2	82	1.1	G1
2-13	2	98	1.5	G1
2-15	2	112	1.5	G1
2-18	2	136	2.2	G1
2-22	2	165	2.2	G1
4-12	4	96	2.2	G1 1/4
4-14	4	114	3.0	G1 1/4
4-16	4	129	3.0	G1 1/4
4-19	4	155	4.0	G1 1/4
4-22	4	177	4.0	G1 1/4
8-12	8	116	4.0	DN40
8-14	8	138	5.5	DN40
8-16	8	157	5.5	DN40
8-18	8	180	7.5	DN40
12-9	12	104	5.5	DN50
12-12	12	138	7.5	DN50
12-14	12	160	11	DN50
12-15	12	171	11	DN50
15-10	16	120	11	DN50
15-12	16	142	11	DN50
15-14	16	166	11	DN50
15-16	16	191	15	DN50

Performance Curve



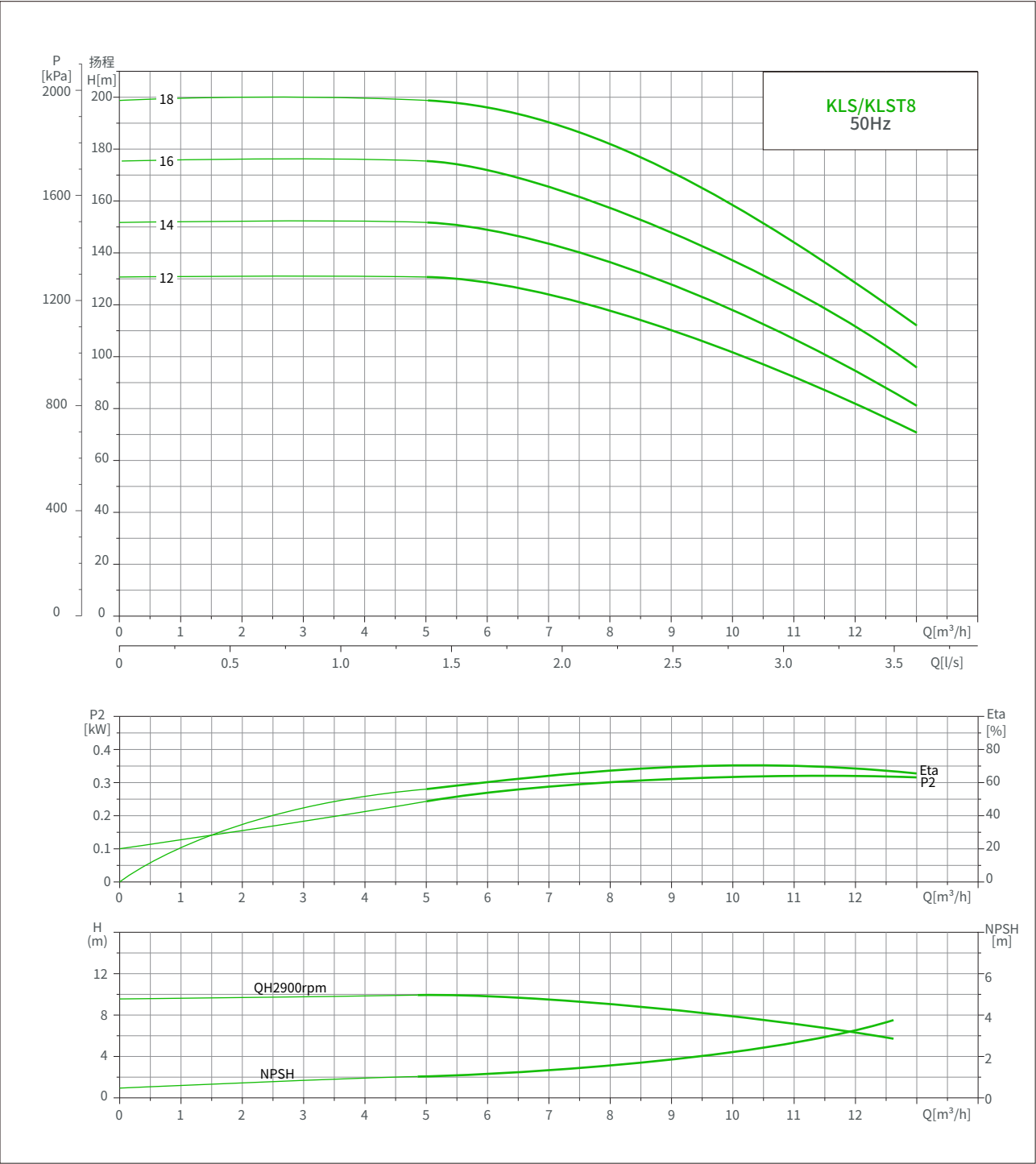
model	power(kW)	Q[m³/h]	1	1.2	1.6	2	2.5	2.8	3.2	3.5
KLS/KLST2-9	1.1	H(m)	80	78	73	68.5	60	54	45	37
KLS/KLST2-11	1.1		98	95	89	82	71.5	64	54	44
KLS/KLST2-13	1.5		116	114	106	98	86.5	78	65	52
KLS/KLST2-15	1.5		134	130	123	112	98	90	73	60
KLS/KLST2-18	2.2		161	157	148	136	122	108	91	76
KLS/KLST2-22	2.2		197	192	180	165	145	130	110	90

Performance Curve



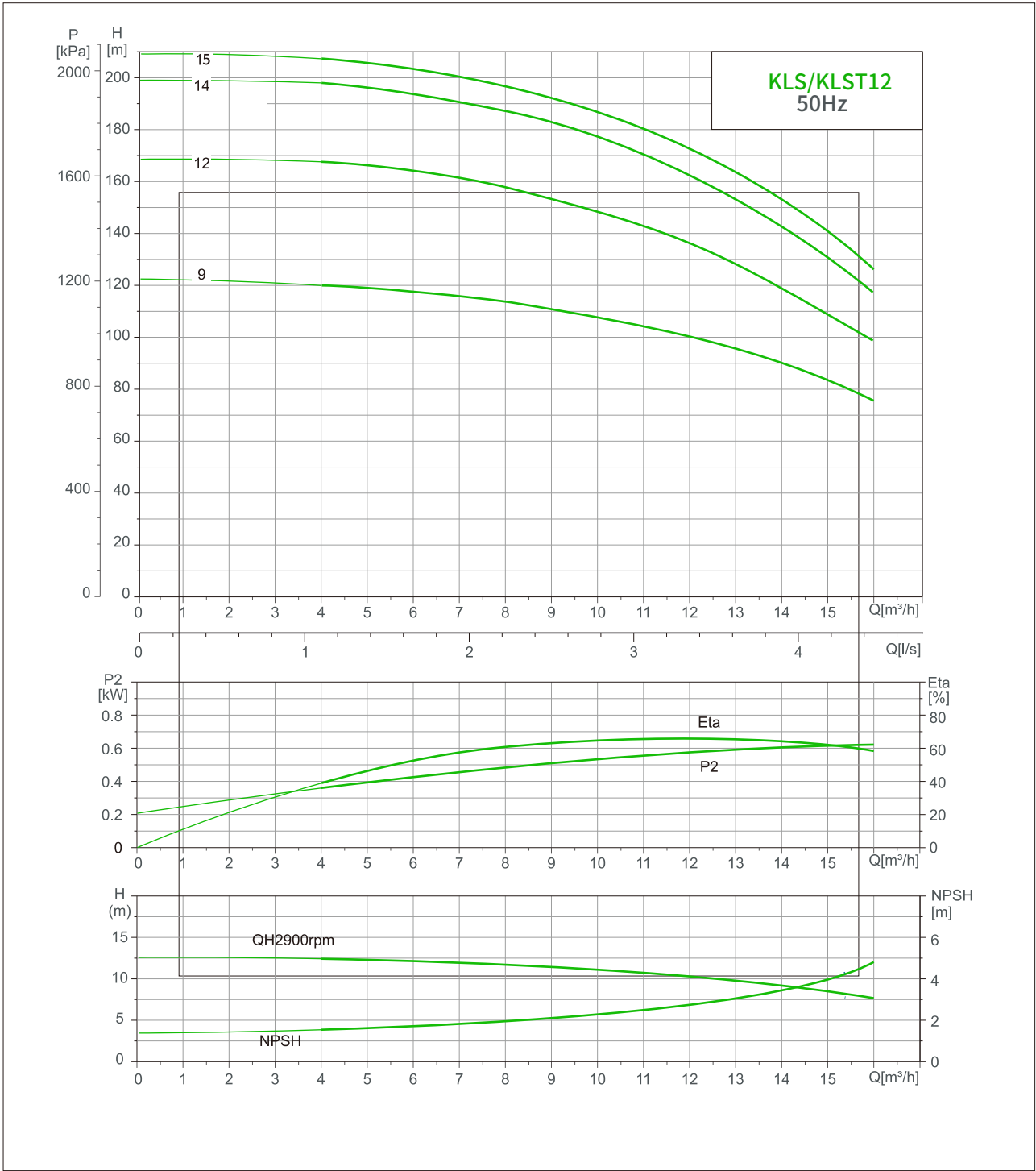
model	power(kW)	Q[m³/h]	1.5	2	3	4	5	6	7	8
KLS/KLST4-12	2.2	H(m)	114	108	104	96	85	75	57	41
KLS/KLST4-14	3		136	126	122	114	101	90	69	48
KLS/KLST4-16	3		152	144	140	129	115	102	78	55
KLS/KLST4-19	4		183	171	168	155	137	123	95	67
KLS/KLST4-22	4		211	200	192	177	160	139	108	79

Performance Curve



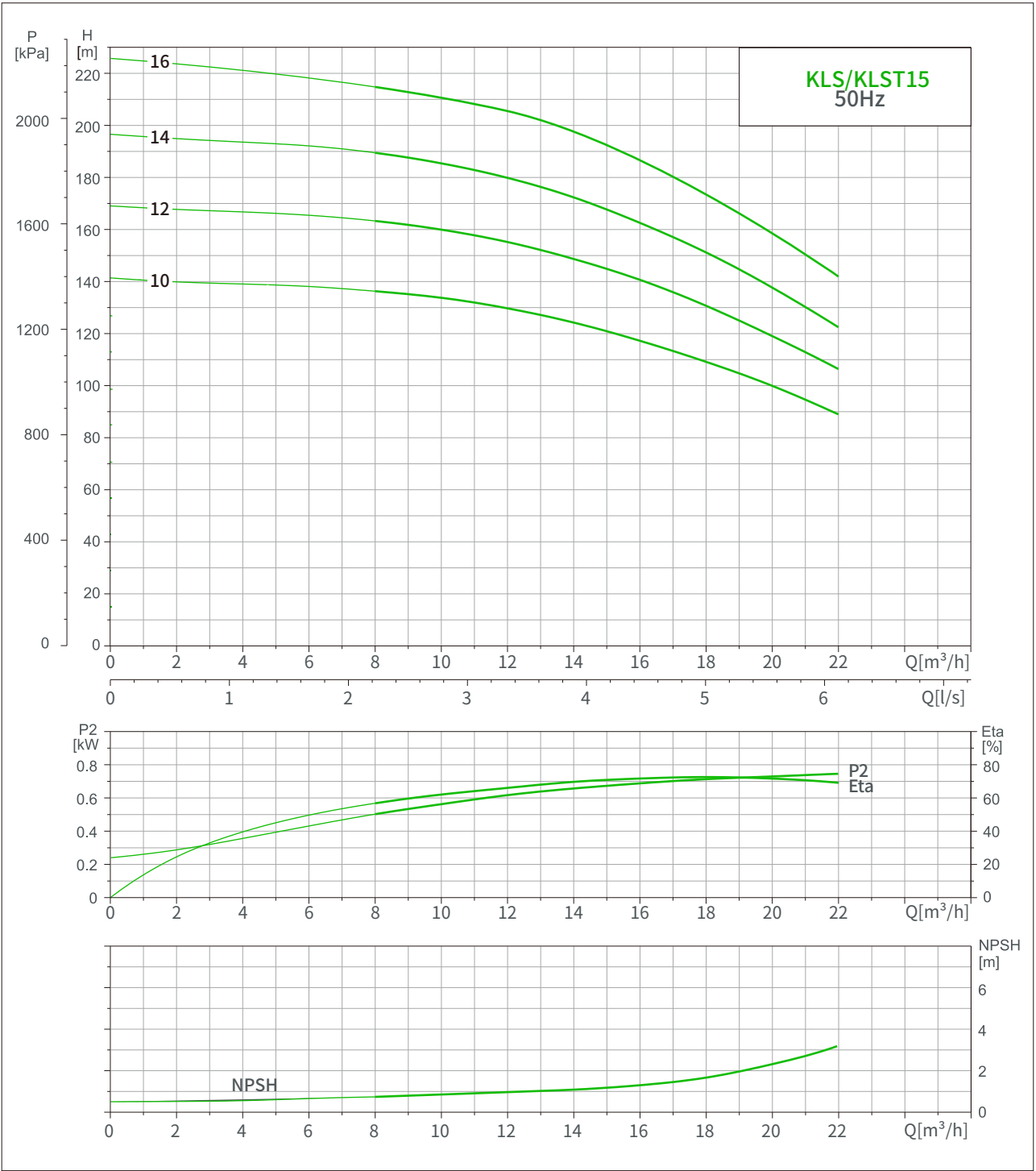
model	power(kW)	Q[m³/h]	2	4	6	8	10	12
KLS/KLST8-12	4	H(m)	130	128	125	116	108	95
KLS/KLST8-14	5.5		152	150	148	138	130	110
KLS/KLST8-16	5.5		173	171	169	157	148	126
KLS/KLST8-18	7.5		195	193	186	180	164	135

Performance Curve

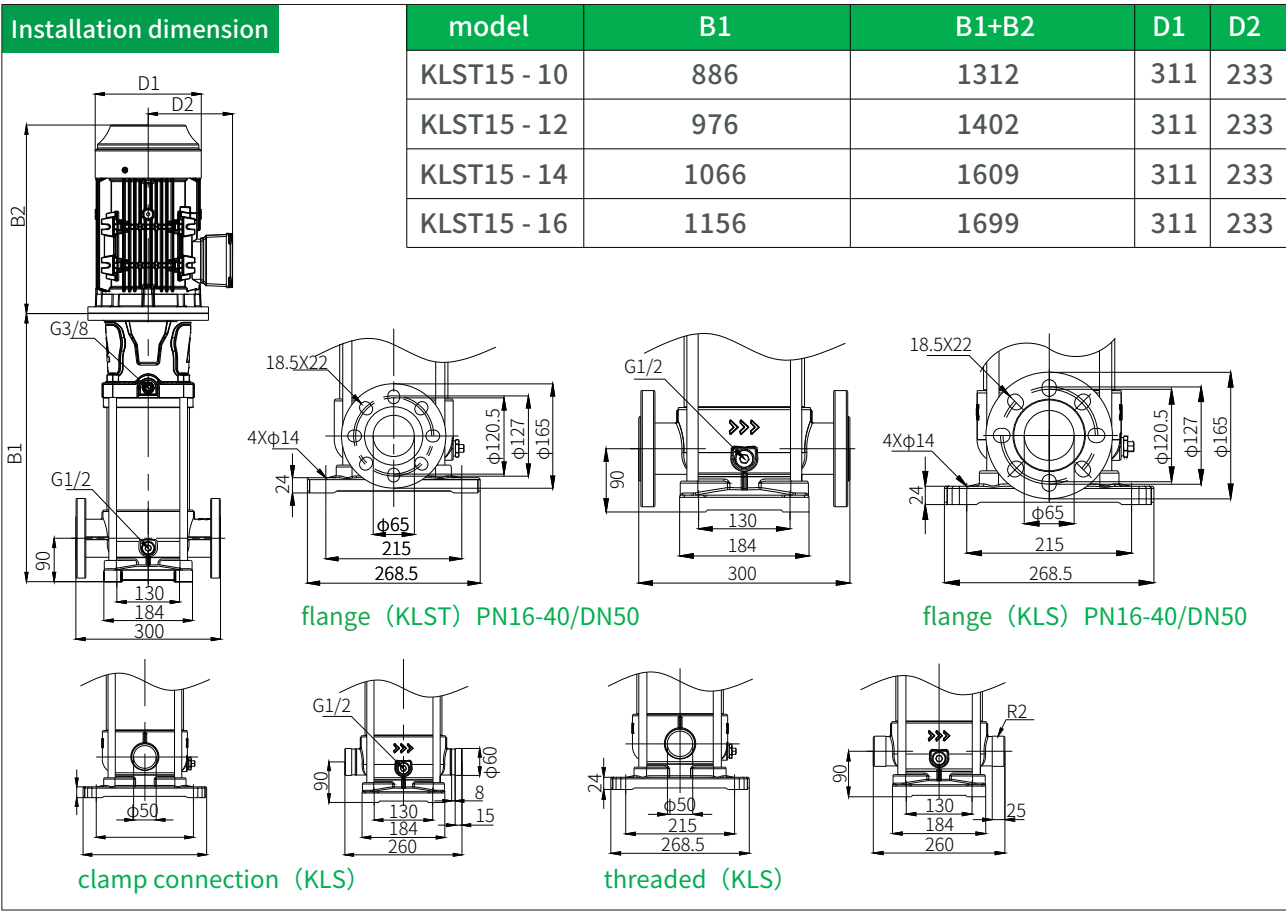


model	power(kW)	Q[m³/h]	4	6	8	10	12	14	16
KLS/KLST12-9	5.5	H(m)	120	118	115	108	104	84	76
KLS/KLST12-12	7.5		165	164	157	148	138	122	97
KLS/KLST12-14	11		194	192	185	178	160	142	115
KLS/KLST12-15	11		207	205	197	190	170	153	122

Performance Curve



model	power (kW)	Q[m³/h]	8	9	12	15	18	20	22
KLS/KLST15-10	11	H(m)	138	136	129	120	109	100	89
KLS/KLST15-12	11		165	162	155	142	130	119	107
KLS/KLST15-14	11		190	188	180	166	151	138	122
KLS/KLST15-16	15		217	214	205	191	174	159	141



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