



The third-generation KQDP/KQDQ light horizontal multi-stage centrifugal pump

High reliability



Cold press concentric suit technology ensures the concentricity of stator and rotor parts, compact structure and strong rigidity. The pump body length with the same parameters is 20% shorter than other manufacturers in the industry.

High performance



Using the excellent hydraulic model of the third generation vertical multi-stage centrifugal pump, the average single-stage stroke is more than 25% higher than that of other manufacturers, and the efficiency reaches the international level.

Low noise



Dry hammer white refining, R & D after many tests and studies in silent room, continuous optimization of structural scheme, with ultra quiet bearing, to create a quiet pump experience for customers.

None leakage



The safe and reliable automobile mechanical seal with the unique shaft seal structure design can solve the customer's maintenance worries.

Good-looking



Simple but not simple, enjoy the feeling of "core movement".

Corrosion resistance



The main flow passage parts are made of 304 material with good corrosion resistance.



Shanghai Industrial Park



Hefei Industrial Park



Zhejiang Industrial Park



Shenyang Industrial Park



Shijiazhuang Industrial Park

A design / production / sales of pumps, water supply equipment and pump control equipment in one

Large comprehensive pump industry group

With 5 industrial parks and 23 sales branches

Products are used in construction (including heat and air conditioning), municipalities, nuclear power, thermal power, petrochemicals, large water conservancy and other fields

Continuously create new value for customers

上海凯泉泵业(集团)有限公司
SHANGHAI KAIQUAN PUMP(GROUP) CO., LTD.

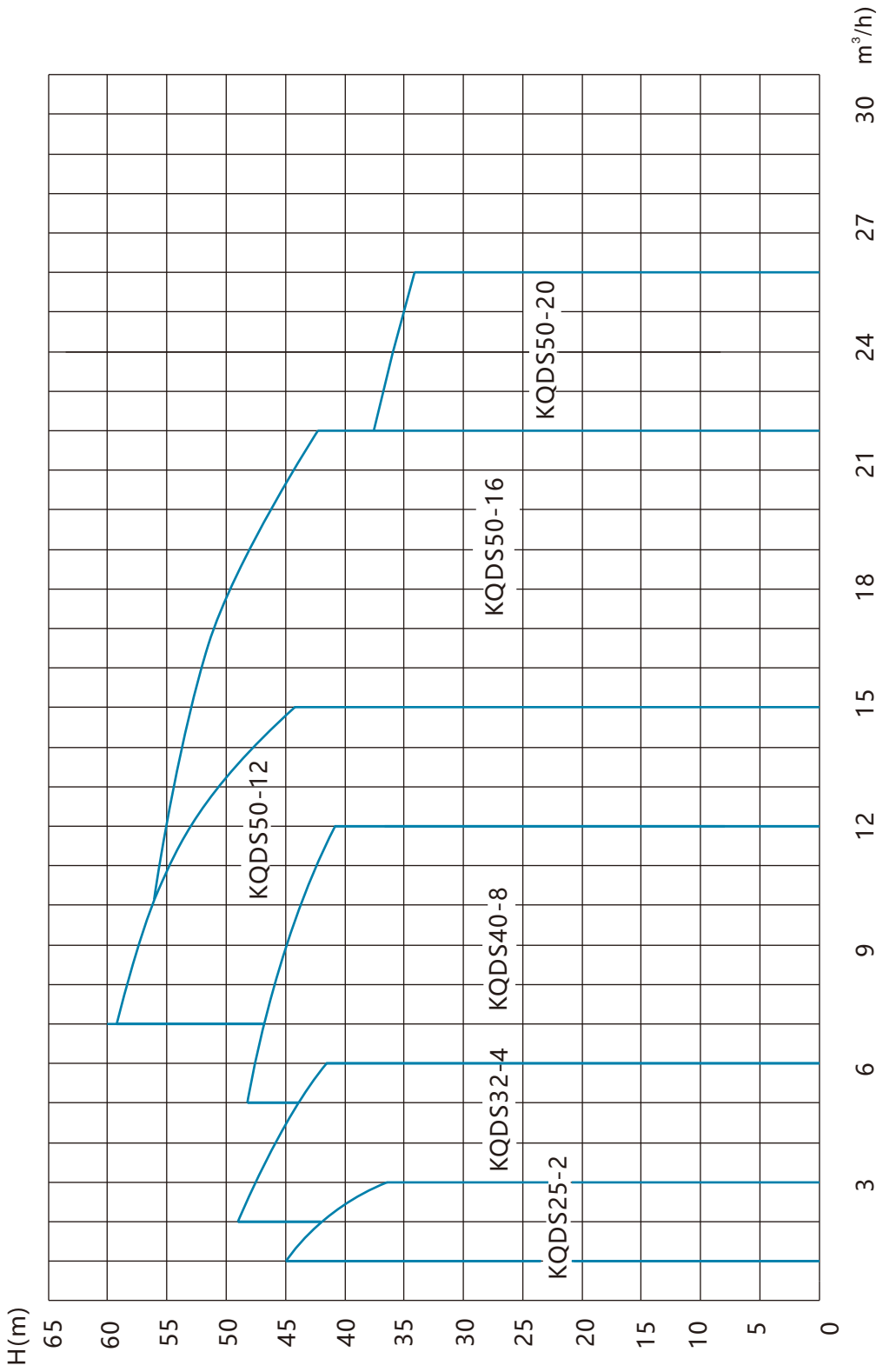


Catalogue

KQDS Series Kaiquan light Vertical Multi-Stage Centrifugal Pump Comprehensive Characteristic Curve Charts (50Hz)	01
Product Introduction	02
Motor	02
Operating Conditions.....	02
Model Specification	02
Application Field.....	03
Rotation Direction of Pump	03
Material Table KQDS25-2, 32-4	04
Material Table KQDS40-8, 50-12, 50-16, 50-20.....	04
KQDS25-2(50Hz) Performance Curve, Performance Table, Installation Diagram, Dimensions and Weight	05
KQDS32-4(50Hz) Performance Curve, Performance Table, Installation Diagram, Dimensions and Weight	07
KQDS40-8(50Hz) Performance Curve, Performance Table, Installation Diagram, Dimensions and Weight	09
KQDS50-12(50Hz) Performance Curve, Performance Table, Installation Diagram, Dimensions and Weight	11
KQDS50-16(50Hz) Performance Curve, Performance Table, Installation Diagram, Dimensions and Weight	13
KQDS50-20(50Hz) Performance Curve, Performance Table, Installation Diagram, Dimensions and Weight.....	15

KQDS Series Kaiquan light Vertical Multi-Stage Centrifugal Pump Comprehensive Characteristic Curve Charts (50Hz)

KQDS Series Kaiquan light Vertical Multi-Stage Centrifugal Pump Comprehensive Characteristic Curve Charts (50Hz)



Product Introduction

KQDS series is a new generation of non-self-priming light horizontal multi-stage centrifugal pump, which adopts a new industrial and hydraulic design method and is the latest self-developed product. Products occupy small space, compact structure, axial inlet and radial outlet. It is characterized by energy saving, environmental protection, low noise, novel appearance, light weight, convenient installation and maintenance, and high reliability.

Motor

The motor is totally enclosed, air-cooled two pole motor.

Protection class: IP55

Insulation grade: F

Frequency: 50Hz

Standard voltage: 380V

Operating Conditions

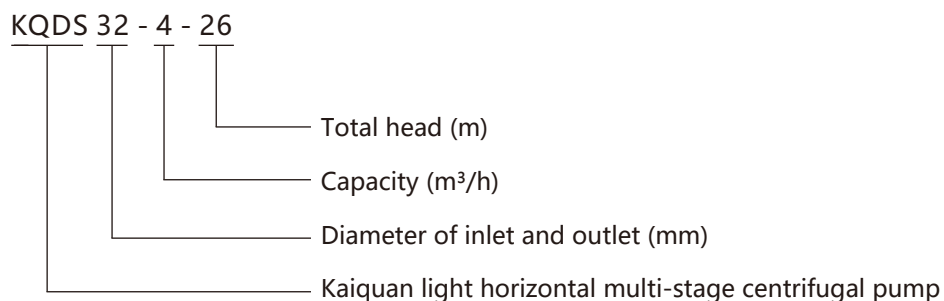
Liquid: Clean water or liquid with physical and chemical properties similar to water. It does not contain solid particles, fibers, thin, non flammable and explosive liquids

Liquid temperature: -15°C to $+70^{\circ}\text{C}$

Maximum ambient temperature: $+40^{\circ}\text{C}$

Maximum operating pressure: 10bar

Model Specification

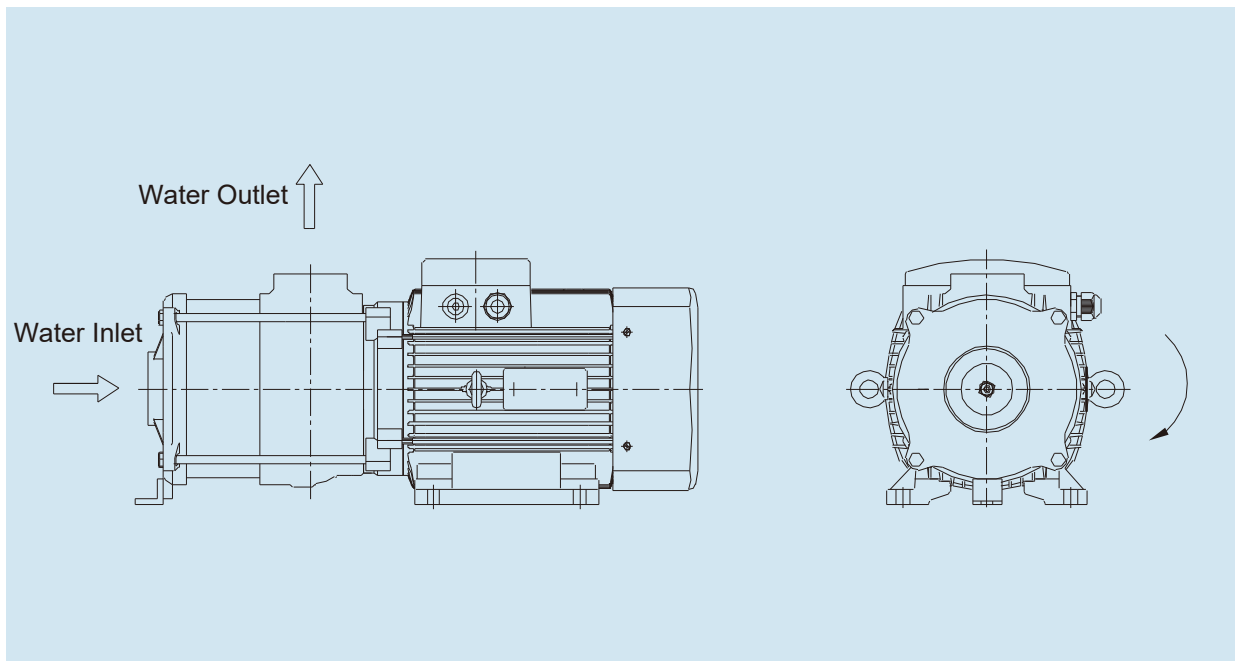


Application Field

Water supply system
Condensing system
Air conditioning system
Water treatment
Industrial flushing
Other specific uses

Rotation Direction of Pump

Observed from the inlet end, the KQDS pump is rotating clockwise.



Material Table KQDS25-2, 32-4

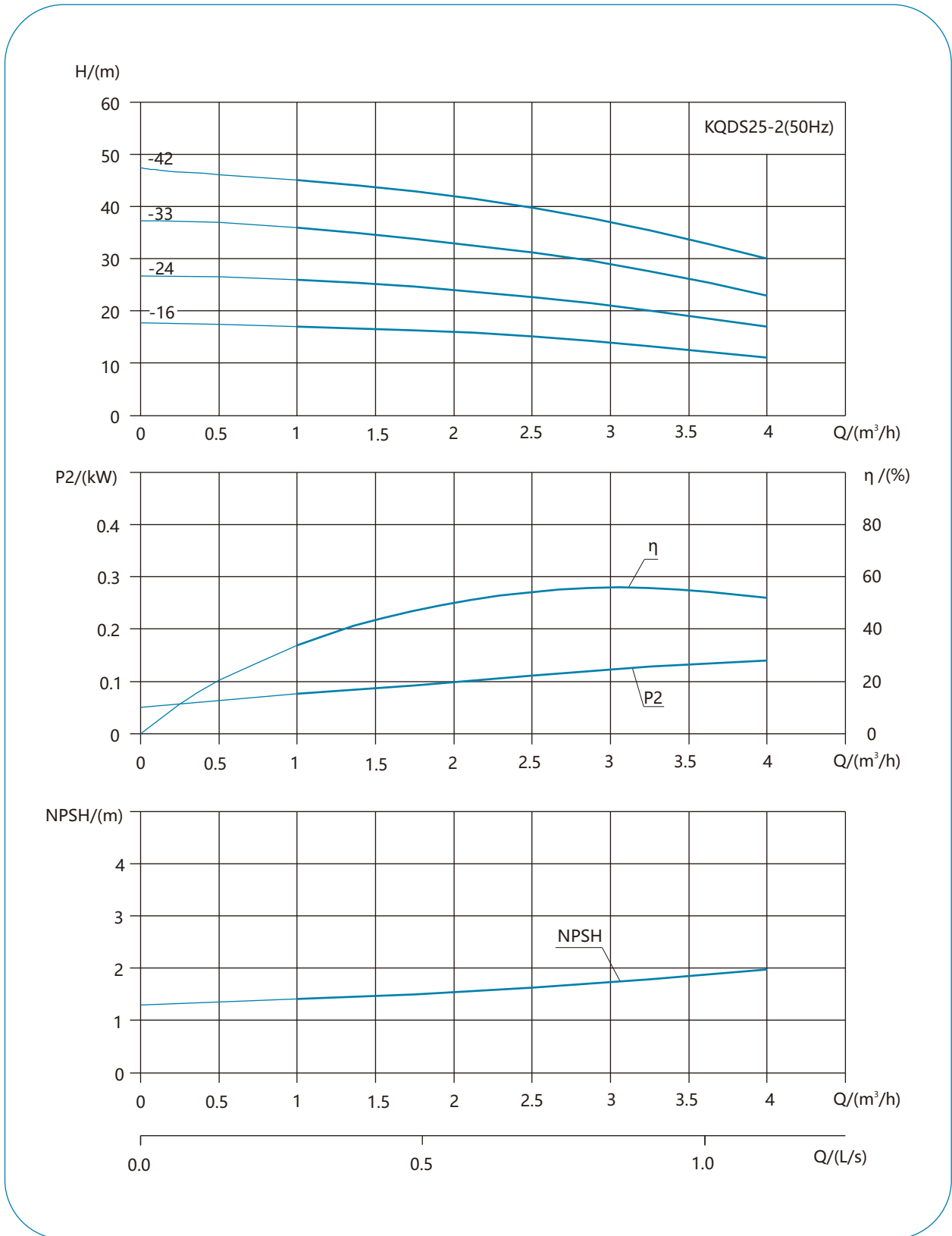
No.	Name	Material	AISI/ASTM
1	Suction segment	Grey cast iron/stainless steel	HT250/ZG07Cr19Ni9
2	Water inlet segment	Stainless steel	AISI304
3	Outer casing	Stainless steel	AISI304
4	Bearing segment	Stainless steel + cemented carbide	
5	Impeller	Stainless steel	AISI304
6	Intermediate segment	Stainless steel	AISI304
7	Water outlet segment	Stainless steel	AISI304
8	Discharge segment	Grey cast iron/stainless steel	HT250/ZG07Cr19Ni9
9	Motor		
10	Discharge segment	Stainless steel	
11	Mechanical seal	Silicon carbide	
12	Shaft	Stainless steel	AISI304/431
13	Base	Stainless steel	AISI304/431

Material Table KQDS40-8, 50-12, 50-16, 50-20

No.	Name	Material	AISI/ASTM
1	Suction segment	Grey cast iron/stainless steel	HT250/ZG07Cr19Ni9
2	Bearing segment	Stainless steel + cemented carbide	
3	Outer casing	Stainless steel	AISI304
4	Intermediate segment	Stainless steel	AISI304
5	Water outlet segment	Stainless steel	AISI304
6	Discharge segment	Grey cast iron/stainless steel	HT250 /ZG07Cr19Ni9
7	Mechanical seal	Silicon carbide	
8	Motor		
9	Drainage plug	Stainless steel	
10	Impeller	Stainless steel	AISI304
11	Shaft	Stainless steel	AISI304/431
12	Water inlet segment	Stainless steel	AISI304
13	Base	Stainless steel	AISI304

KQDS25-2(50Hz) Performance Curve, Performance Table, Installation Diagram, Dimensions and Weight

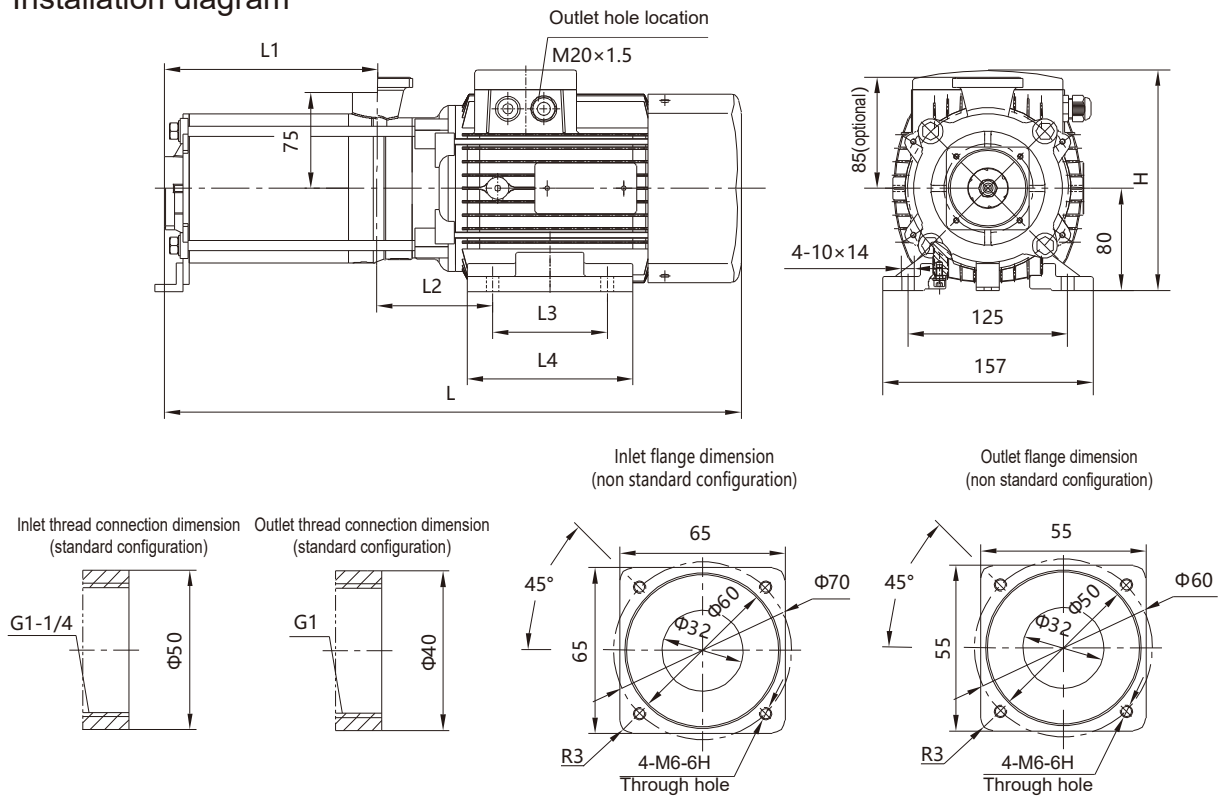
Performance curve



Performance table

No.	Model	Matching Motor Power (kW)	Capacity (m ³ /h)	1	1.5	2	2.5	3
1	KQDS25-2-16	0.37	H(m)	17	16.5	16	15	14
2	KQDS25-2-24	0.37		26	25	24	22.5	21
3	KQDS25-2-33	0.55		36	34.5	33	31	29
4	KQDS25-2-42	0.75		45	43	42	40	37

Installation diagram

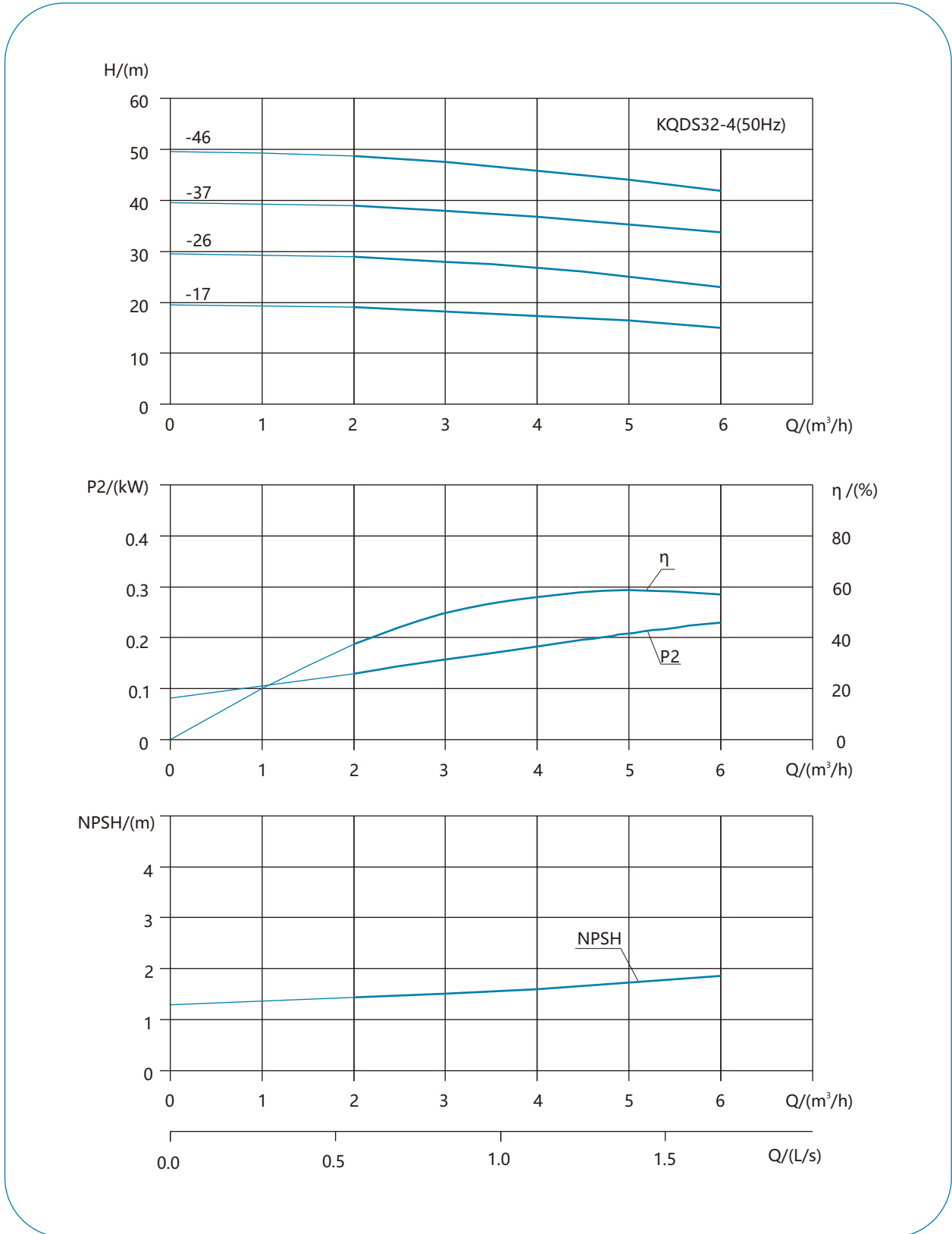


Dimension and weight

No.	Model	Dimension(mm)						Weight(kg)
		L1	L	L2	L3	L4	H	
1	KQDS25-2-16	76	344	91	90	115	163	18
2	KQDS25-2-24	94	362	91	90	115	163	19
3	KQDS25-2-33	112	380	91	90	115	163	21
4	KQDS25-2-42	130	416	86	100	125	173	24

KQDS32-4(50Hz) Performance Curve, Performance Table, Installation Diagram, Dimensions and Weight

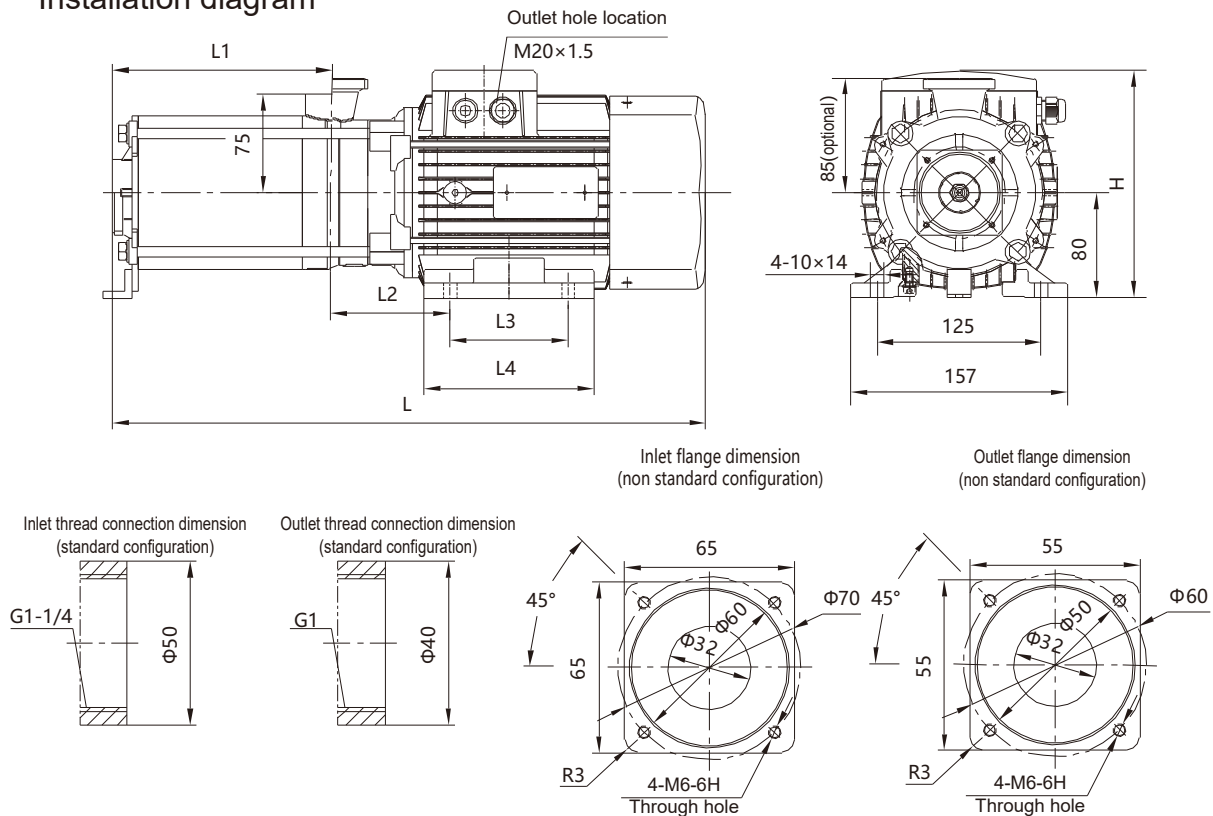
Performance curve



Performance table

No.	Model	Matching Motor Power (kW)	Capacity (m ³ /h)	2	3	4	5	6
1	KQDS32-4-17	0.55	H(m)	19	18	17	16.5	16
2	KQDS32-4-26	0.75		29	28	26	25	23
3	KQDS32-4-37	1.1		39	38	37	35	34
4	KQDS32-4-46	1.1		49	47	46	44	42

Installation diagram

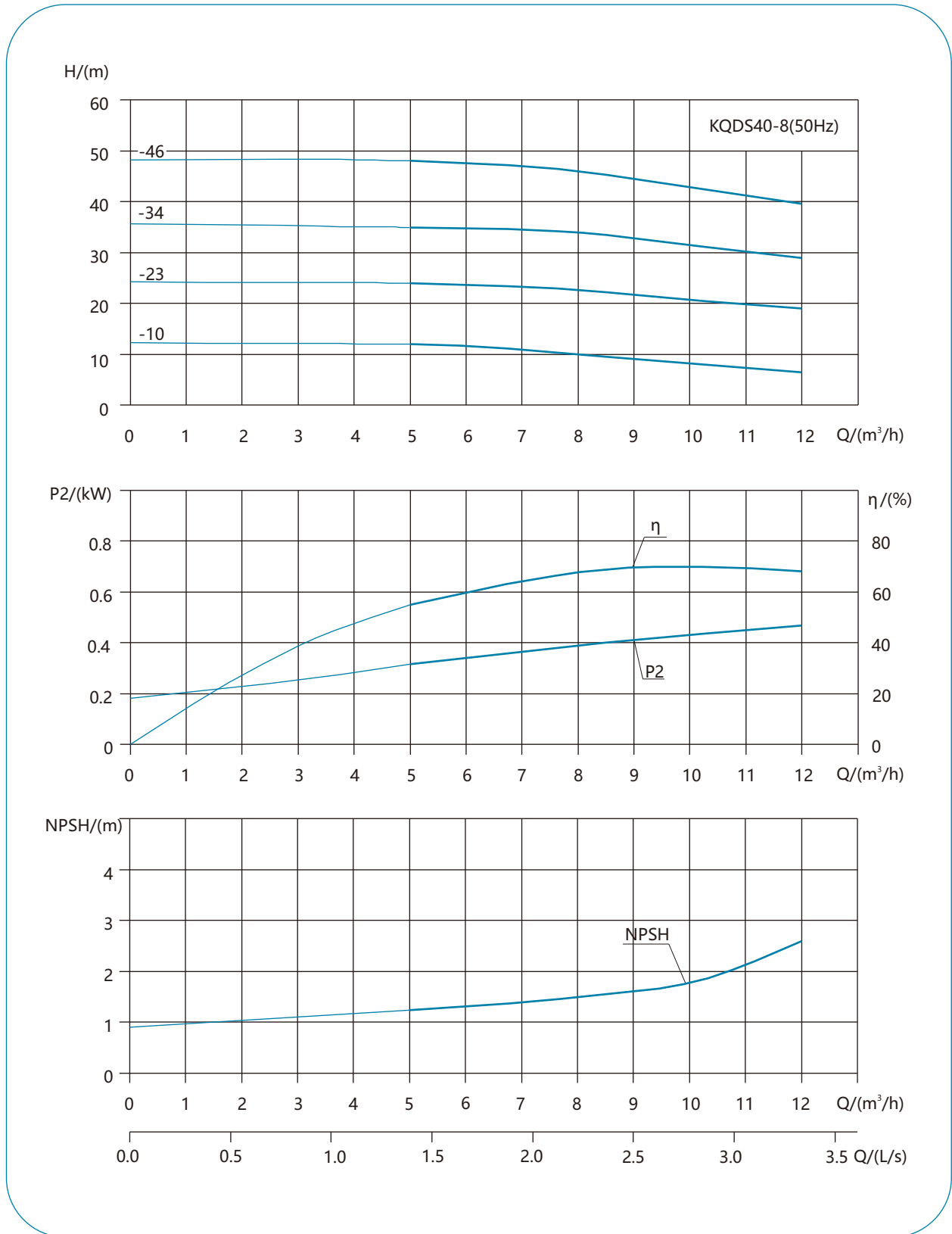


Dimension and weight

No.	Model	Dimension(mm)						Weight(kg)
		L1	L	L2	L3	L4	H	
1	KQDS32-4-17	85	353	91	90	115	163	21
2	KQDS32-4-26	112	398	86	100	125	173	25
3	KQDS32-4-37	139	425	86	100	125	173	26
4	KQDS32-4-46	166	452	86	100	125	173	27

KQDS40-8(50Hz) Performance Curve, Performance Table, Installation Diagram, Dimensions and Weight

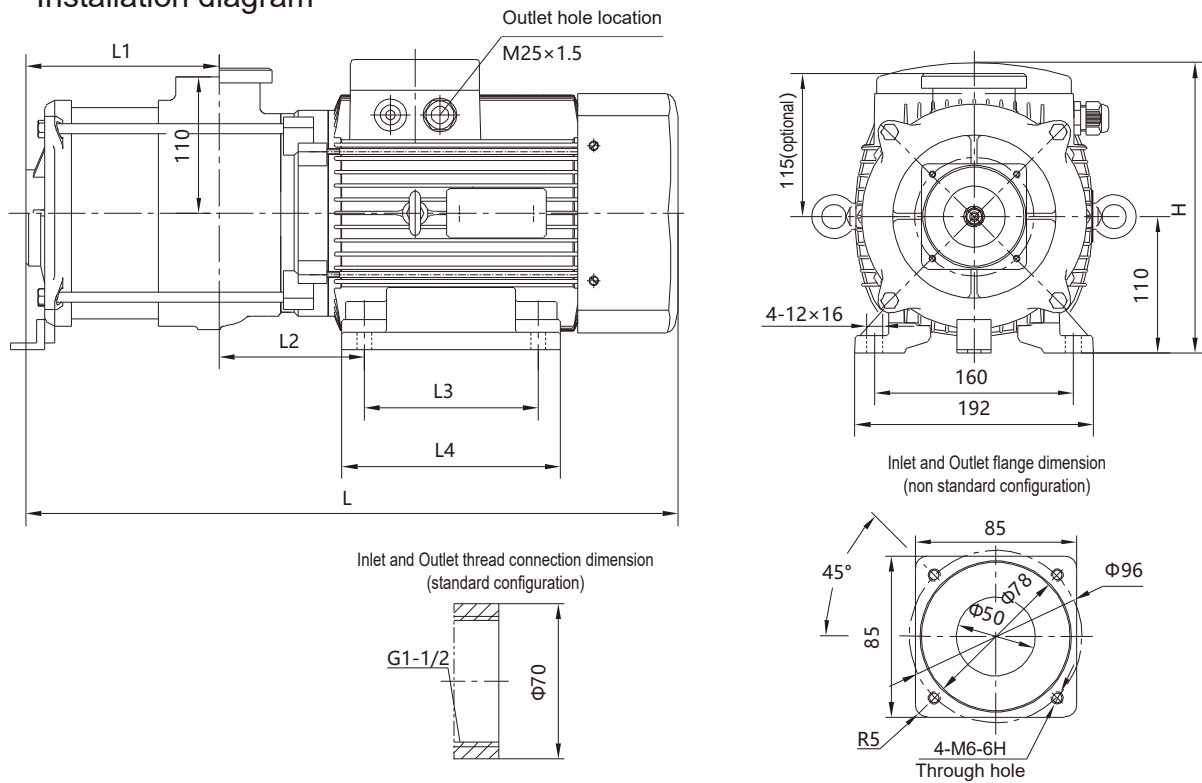
Performance curve



Performance table

No.	Model	Matching Motor Power (kW)	Capacity (m ³ /h)	5	7	8	10	12
1	KQDS40-8-10	0.75	H(m)	12	11	10	8	7
2	KQDS40-8-23	1.1		24	23.5	23	20	19
3	KQDS40-8-34	1.5		35	34.5	34	31	29
4	KQDS40-8-46	2.2		48	47	46	42	40

Installation diagram

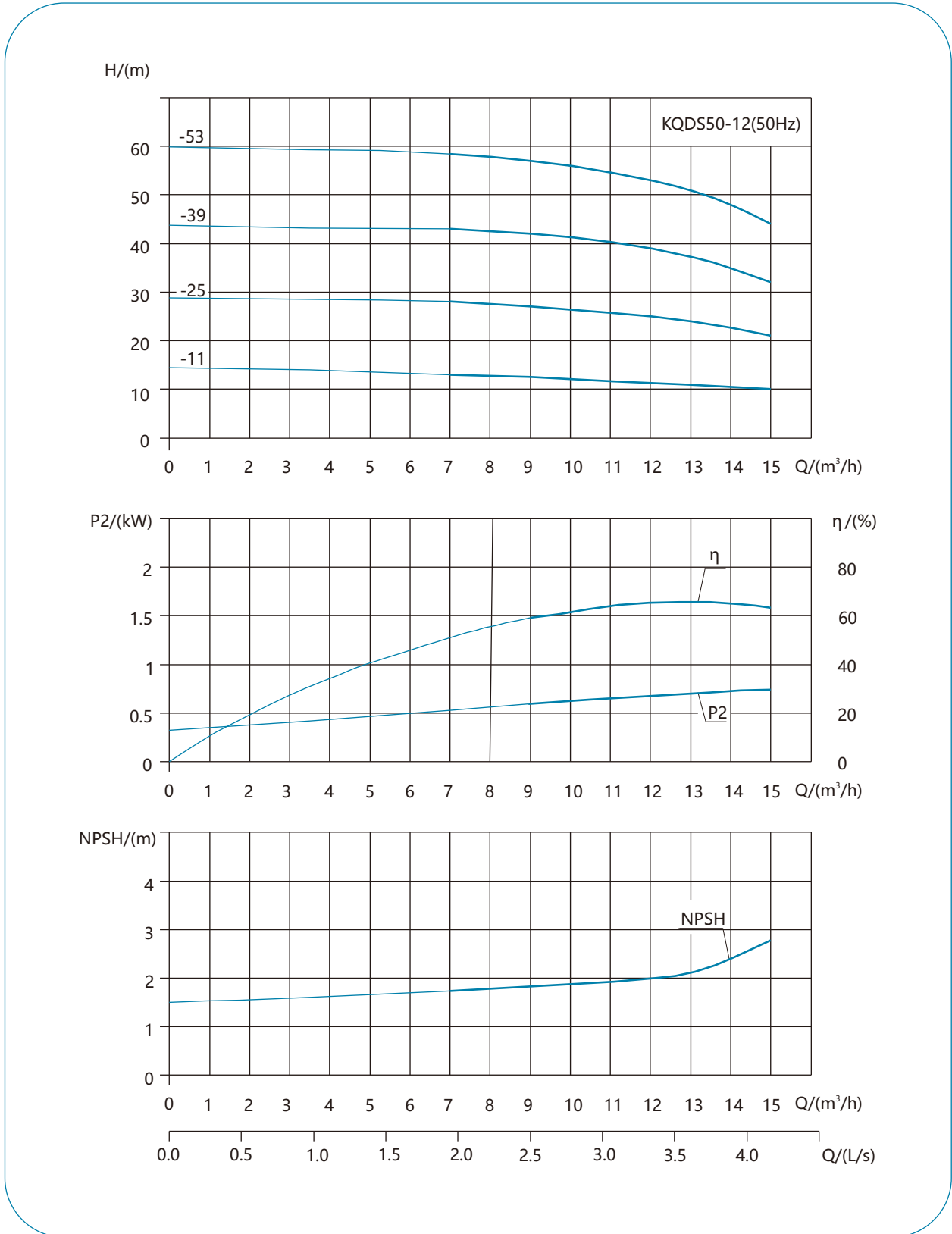


Dimension and weight

No.	Model	Dimension(mm)						Weight(kg)
		L1	L	L2	L3	L4	H	
1	KQDS40-8-10	95	407	112	100	130	203	32
2	KQDS40-8-23	95	407	112	100	130	203	38
3	KQDS40-8-34	125	478	117	100	165	221	42
4	KQDS40-8-46	155	508	117	125	165	221	45

KQDS50-12(50Hz) Performance Curve, Performance Table, Installation Diagram, Dimensions and Weight

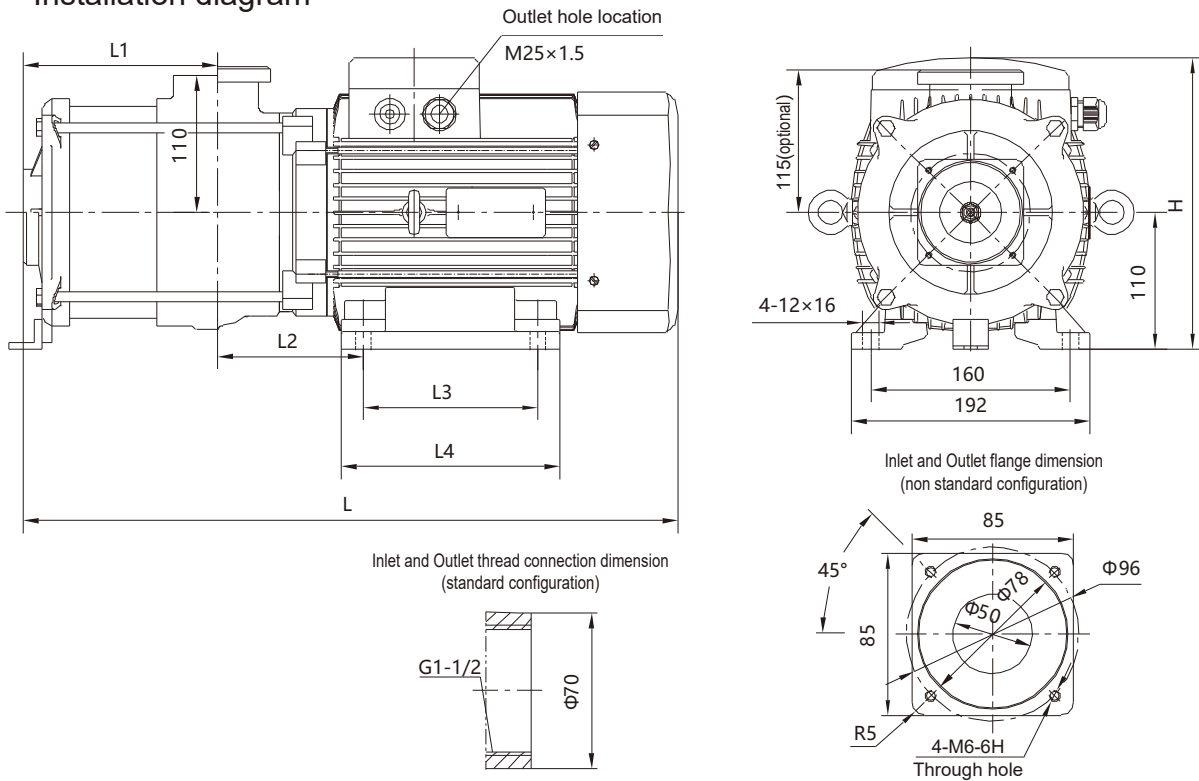
Performance curve



Performance table

No.	Model	Matching Motor Power (kW)	Capacity (m ³ /h)	7	9	12	14	15
1	KQDS50-12-11	0.75	H(m)	13	12	11	10.5	10
2	KQDS50-12-25	1.5		28	27	25	23	21
3	KQDS50-12-39	2.2		43	42	39	35	32
4	KQDS50-12-53	3		59	57	53	48	44

Installation diagram

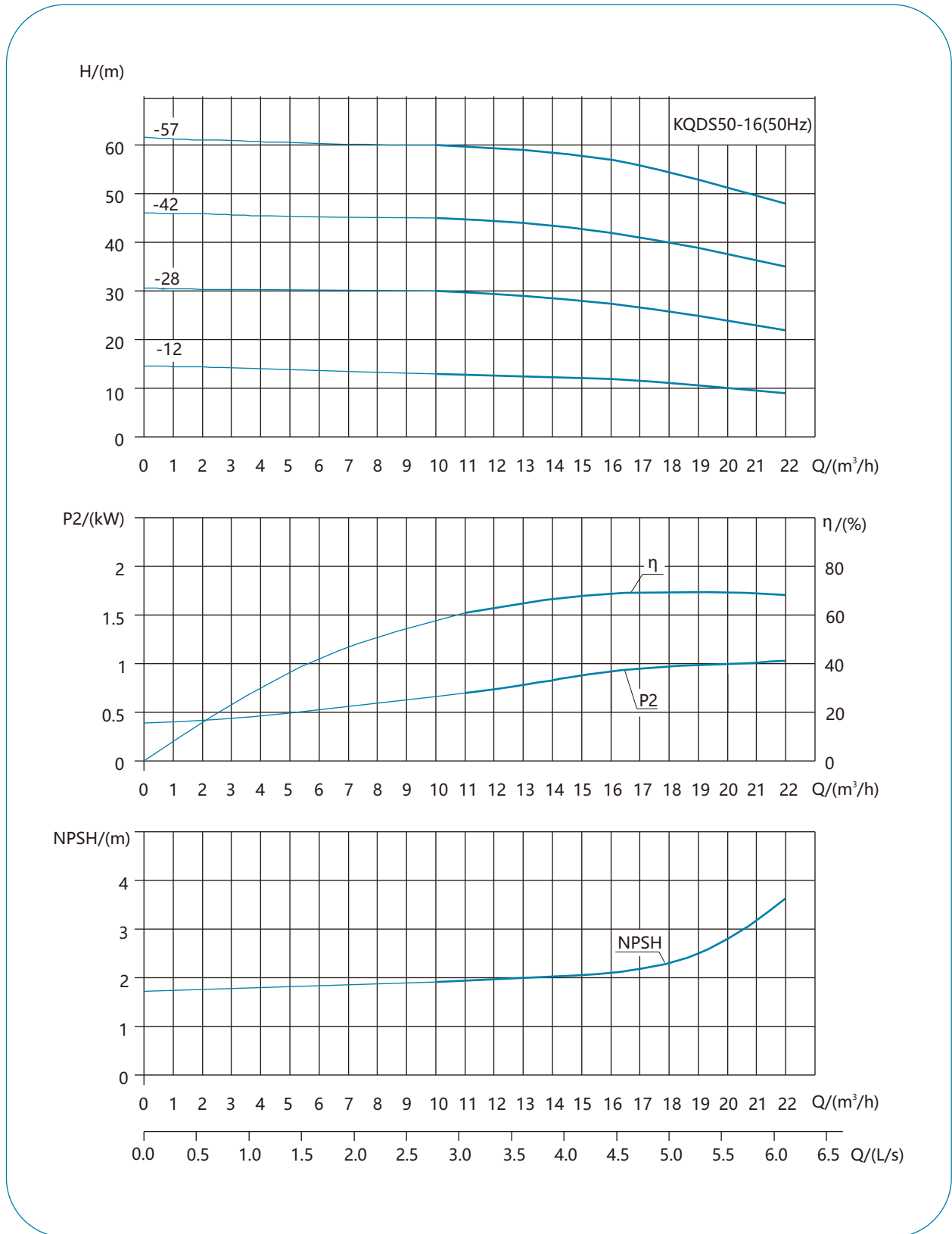


Dimension and weight

No.	Model	Dimension(mm)						Weight(kg)
		L1	L	L2	L3	L4	H	
1	KQDS50-12-11	95	407	112	100	130	203	38
2	KQDS50-12-25	95	448	117	100	165	221	42
3	KQDS50-12-39	125	478	117	125	165	221	46
4	KQDS50-12-53	155	525	117	140	176	234	52

KQDS50-16(50Hz) Performance Curve, Performance Table, Installation Diagram, Dimensions and Weight

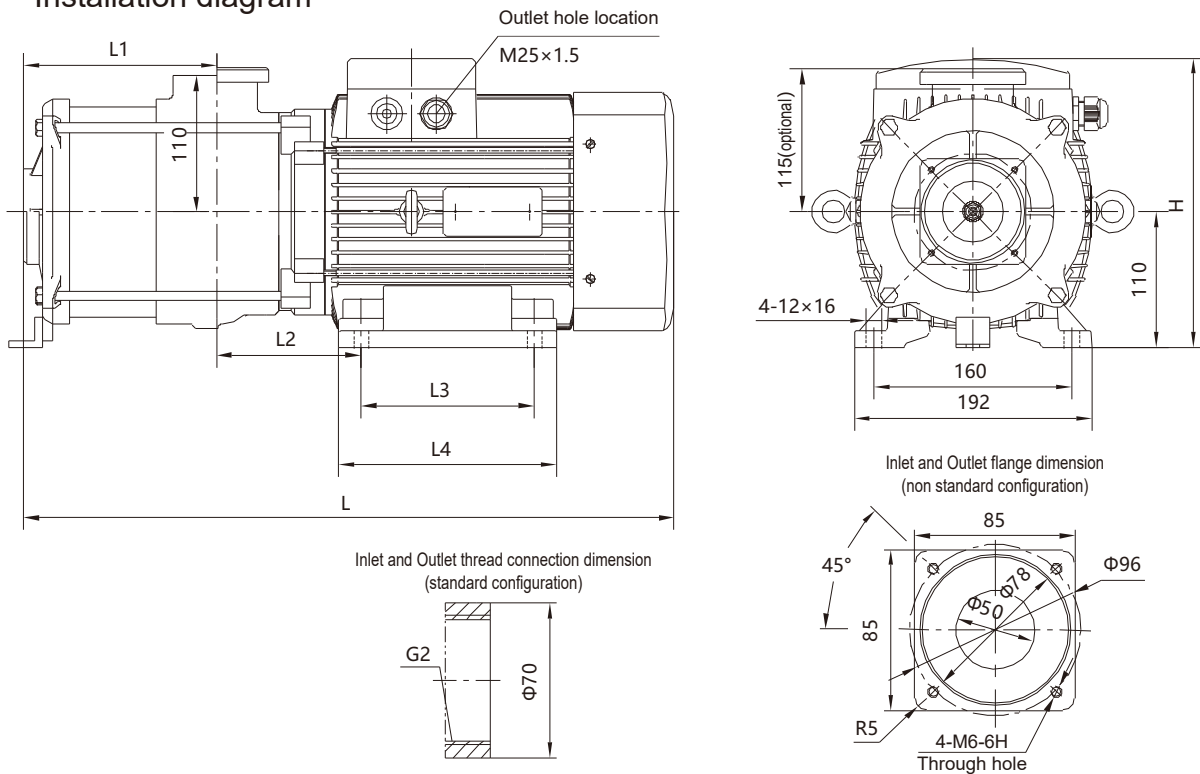
Performance curve



Performance table

No.	Model	Matching Motor Power (kW)	Capacity (m ³ /h)	10	13	16	19	22
1	KQDS50-16-12	1.1	H(m)	13	12.5	12	10	9
2	KQDS50-16-28	2.2		30	29	28	25	22
3	KQDS50-16-42	3		45	44	42	39	35
4	KQDS50-16-57	4		60	59	57	53	48

Installation diagram

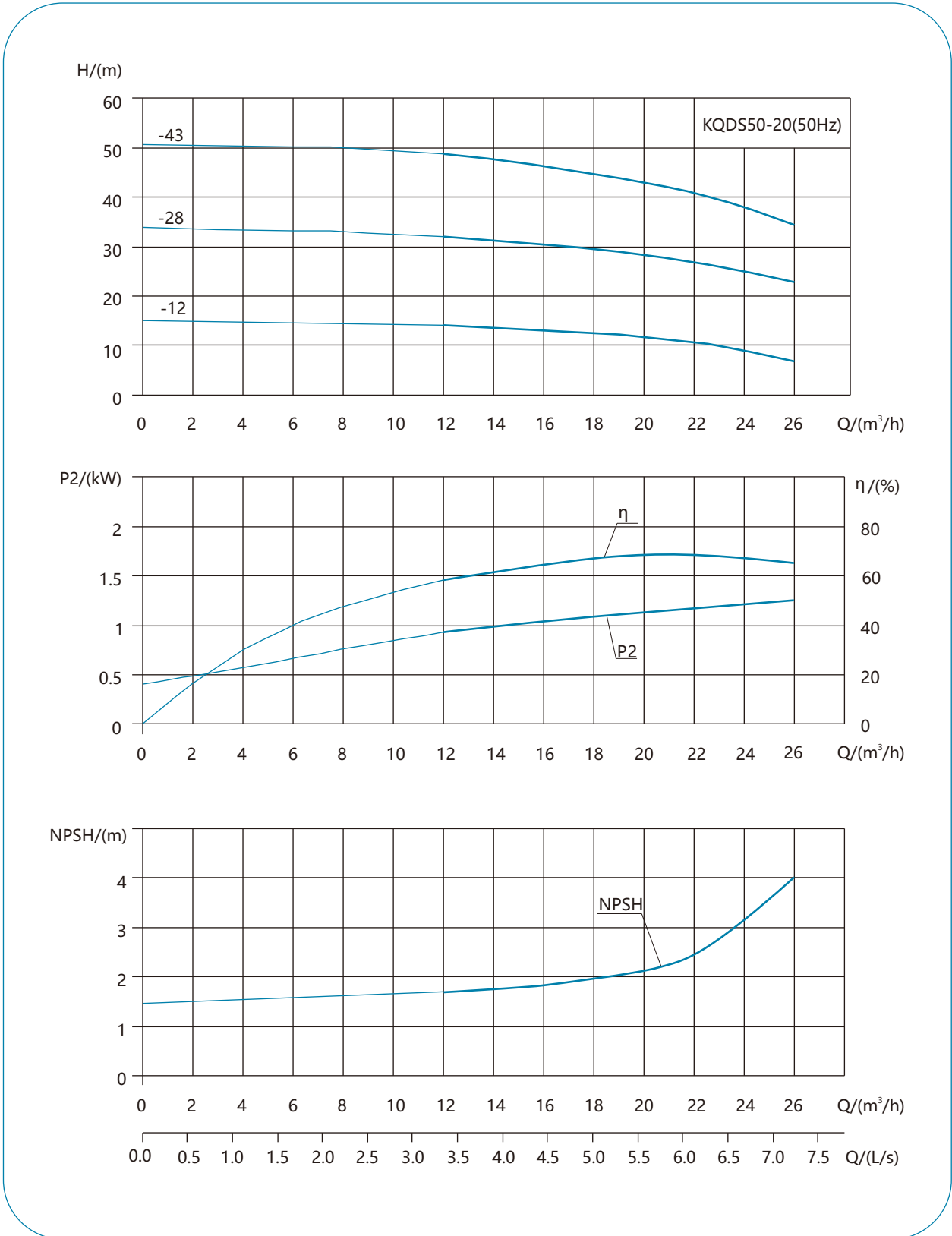


Dimension and weight

No.	Model	Dimension(mm)						Weight(kg)
		L1	L	L2	L3	L4	H	
1	KQDS50-16-12	110	422	112	100	130	203	32
2	KQDS50-16-28	110	463	117	125	165	221	42
3	KQDS50-16-42	155	525	117	140	176	234	56
4	KQDS50-16-57	200	570	117	140	176	234	60

KQDS50-20(50Hz) Performance Curve, Performance Table, Installation Diagram, Dimensions and Weight

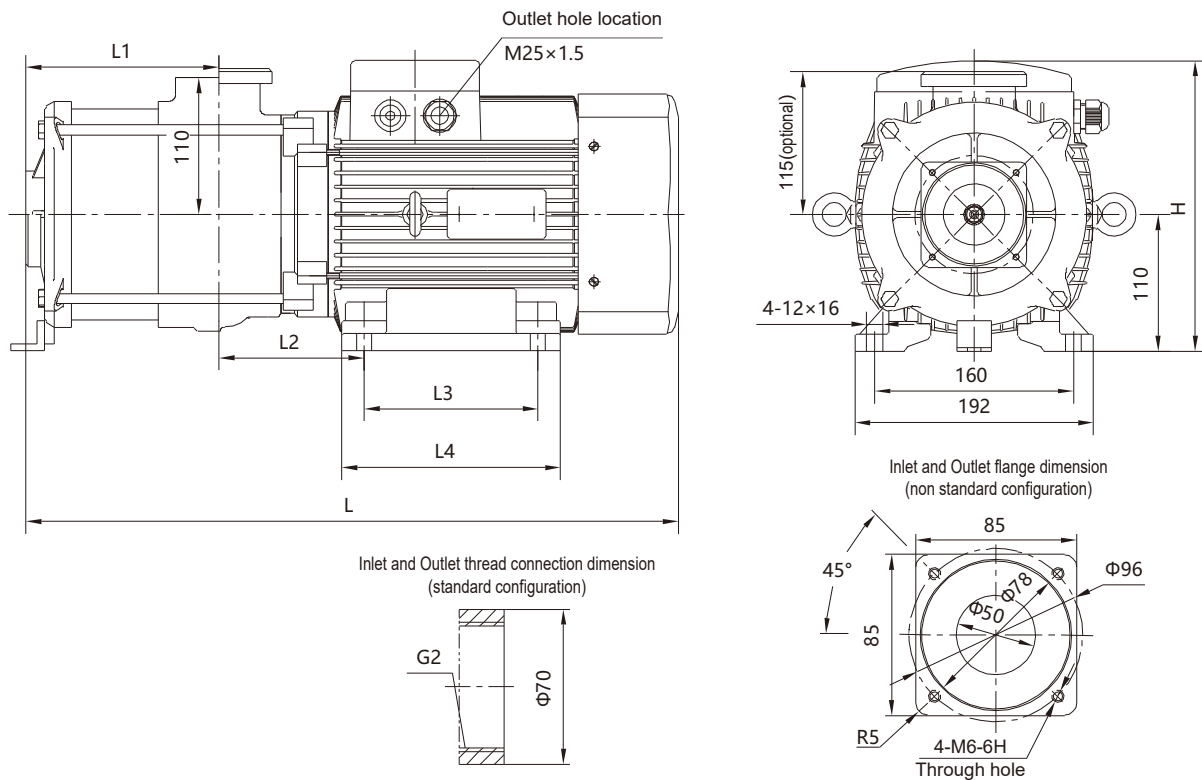
Performance curve



Performance table

No.	Model	Matching Motor Power (kW)	Capacity (m ³ /h)	12	15	20	22	24	26
1	KQDS50-20-12	1.1	H(m)	14	13	12	11	9	7
2	KQDS50-20-28	3		32	31	28	27	25	22
3	KQDS50-20-43	4		49	47	43	41	38	34

Installation diagram



Dimension and weight

No.	Model	Dimension(mm)						Weight(kg)
		L1	L	L2	L3	L4	H	
1	KQDS50-20-12	110	422	112	100	130	203	34
2	KQDS50-20-28	110	480	117	140	176	234	50
3	KQDS50-20-43	155	525	117	140	176	234	54

Where there is Kaiquan, there is water!



上海凯泉泵业(集团)有限公司
SHANGHAI KAIQUAN PUMP (GROUP) CO., LTD.

Company Address: No. 4255/4287, Caoan
Highway, Jiading District, Shanghai
Company Website: www.Kaiquan.com.cn
Customer Service Hotline: 400-002-6600



YB/KQ KQDP/KQDQ-2020/07