

Leading the Rise of Chinese Pump Industry

KQG不锈钢系列全自动供水设备

KQG Stainless Series Auto-Pressure Boosting System

Simple, Reliable and Flexible Configuration

More than 20 years of continuous optimization and improvement of the classic equipment structure to ensure the stability of the system
Rigorous process control to ensure product consistency and product quality

Flexible configuration of pumps, cabinets, inverters, etc., to meet the needs of different customer groups

Full Frequency Conversion Design, Good Water Supply Comfort

Second-level fault to minimize water shutdown and water failure accidents

The pump starts and stops, and the switching pressure fluctuation is small, and the steady state can be quickly restored

The large adjustment range completely solves the problem of frequent pump addition and subtraction at the critical capacity point

Energy Efficient, Reduce Operating Costs

The whole series is equipped with the third generation of high performance stainless steel multi-stage pumps as standard

The whole series is equipped with vertical pressure tank as standard, which improves the operating efficiency of the equipment in small capacity time

The variable capacity and variable pressure control technology reduces the unit energy consumption of the equipment in small capacity time

Intelligent Control, Unattended

Time division variable pressure water supply, according to different water supply time set the corresponding water supply pressure, to achieve energy saving and consumption reduction

Digital bus collection, pressure, frequency, capacity, power and other data bus collection, data stability, good consistency optional remote monitoring module, to achieve zero distance inspection of the pump room, unattended





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.

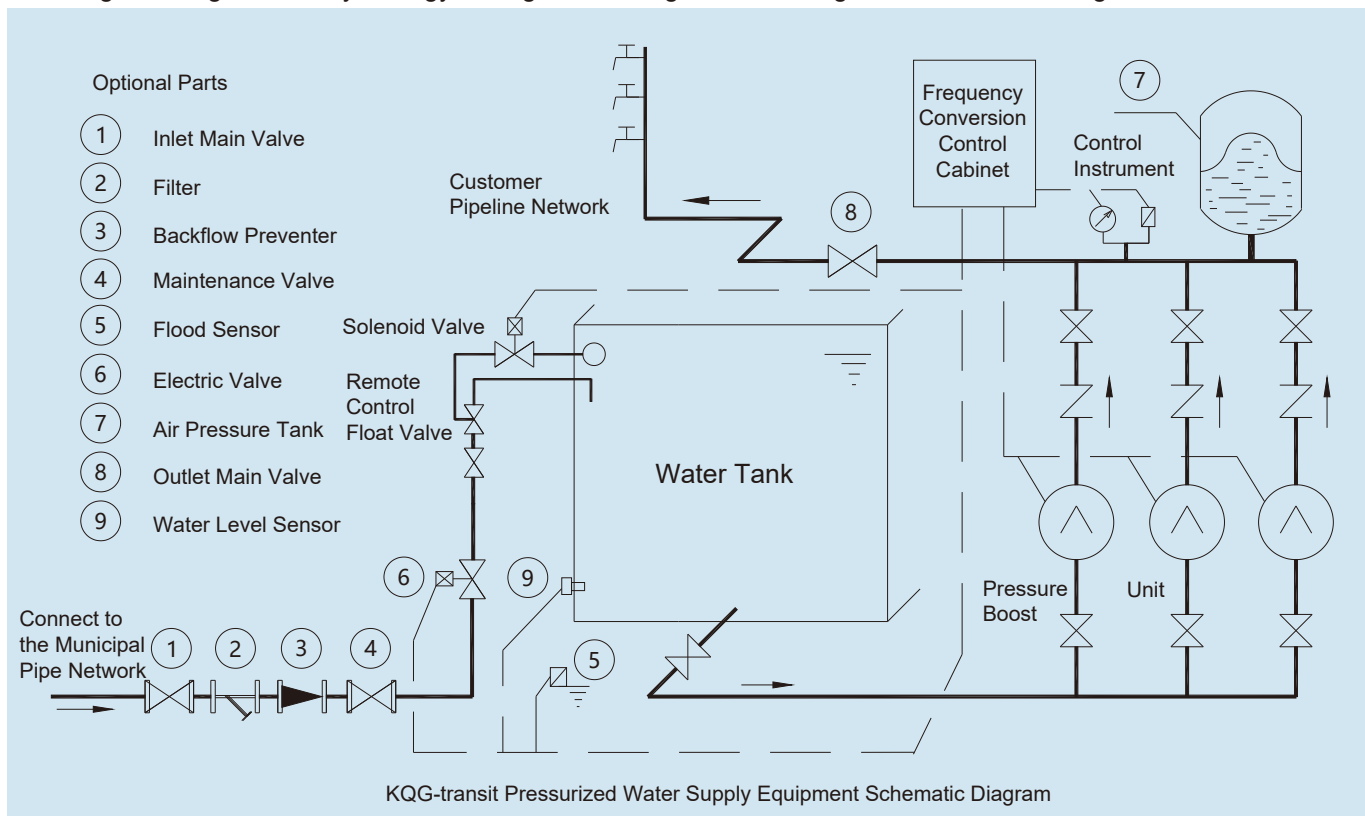


Catalogue

Product Overview	01
Operating Principle	01
Product Features	02
Control Function	02
Model Description	03
Product Specifications, Performance and Installation Dimensions	05
Imported Brand (ZILMET) Diaphragm Air Pressure Tank	19
Domestic Brand Diaphragm Air Pressure Tank	20
Precautions for Product Ordering	22
Appendix	22

Product Overview

KQG stainless steel frequency conversion water supply equipment is one of the main water supply products of Kaiquan Group. The group has further upgraded the KQG intelligent frequency conversion water supply equipment based on years of accumulated engineering technology experience and advanced automation technology in the industry. It is safe in water supply, reliable in operation, and water-saving and sanitary. The performance advantages of, high efficiency, energy saving, and intelligent monitoring are more outstanding.



Operating Principle

The operation principle is as follows:

1) In continuous operation mode, when no one (small capacity) uses water at night, the pipeline loss is reduced and the equipment automatically reduces the outlet pressure to save energy for dormant operation; in intermittent operation mode, when no one (small capacity) uses water at night, the system replenishes the air pressure tank and stores energy and then stops, relying on the air pressure tank to maintain the pressure of the pipeline network at night.

2) In the continuous operation mode, when the water consumption increases and the operation frequency is higher than the upper limit of the frequency setting, the system will wake up from dormancy and restore the target pressure set by the system; in the indirect operation mode, when the water consumption increases, the outlet pressure drops and the pressure is lower than the starting pressure value, the equipment will automatically start a pump and maintain the constant pressure of the pipe network with variable frequency speed regulation.

3) Intelligent pump addition: When the water consumption continues to increase and the frequency-converted pump has reached the upper limit of the set frequency and the outlet pressure is still lower than the lower limit, the system automatically adds a pump to run in parallel to maintain the constant pressure water supply of the pipe network, adhering to the principle of "stop first, add first" to ensure that each water The system insists on the principle of "stop first, add first" to ensure the balanced operation time of each pump.

4) Intelligent pump reduction: when the water consumption decreases, the frequency of the parallel-running pumps will start to drop, and when the frequency is lower than the set lower limit, the system will automatically reduce one pump.

Product Features

- 304 stainless steel material for overflow parts, sanitary and safe equipment.
- Full frequency control system, to ensure the safe and reliable operation of the system.
- The lowest energy consumption solution, to achieve efficient and lowest energy consumption control operation of the equipment.
- Advanced and reliable remote monitoring platform, allowing real-time access to pump room equipment operation status through intelligent terminals.
- Full-cycle fast and efficient service system to solve customers' worries.
- Chinese display, friendly human-machine interface, simple operation.

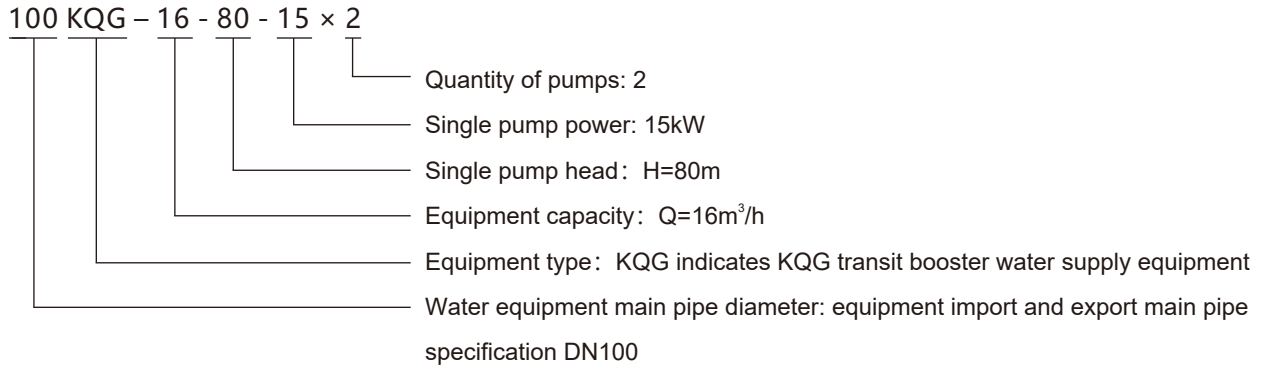
Control Function

Main Functions	Content
High-performance digital PID	Constant pressure accuracy $\leq 0.01\text{Mpa}$, stabilization time $\leq 5\text{s}$, good comfort of equipment water supply.
Constant pressure at the end	Adopt variable pressure control method, more energy-saving and more comfortable than the usual variable frequency water supply equipment.
Manual constant pressure	Even if the PLC fails, manual start is still able to achieve emergency water supply.
Digital network	Digital bus collection of pressure, frequency, power and other data, stable and reliable data.
Remote monitoring 1)	Wireless network monitoring, fault warning, expert diagnosis, SMS notification.
Time division variable pressure water supply	The corresponding water supply pressure can be set according to different water supply periods to achieve energy saving and consumption reduction.
Colorful Chinese human-machine interface	Color touch screen, clear process control capacity, friendly human-machine interface, easy operation.
Cabinet protection level 2)	IP54 protection grade, dustproof and waterproof.
Temperature and humidity control 3)	Temperature and humidity detection, automatic control of heating, ventilation and dehumidification.
Power supply, signal isolation 4)	Suppression of transient overvoltage and overcurrent, effective suppression of interference from high harmonics to intelligent terminals.
Electrical protection	With overvoltage, undervoltage, overcurrent, overload, phase loss, short circuit, overheating and other fault alarms and automatic protection;.
Fault automatic reset	Automatic reset for recoverable fault alarms such as inverter to ensure continuous and stable operation of equipment.
Fault pump automatic shielding	Failure of the running pump and automatic operation of the standby pump.
Insufficient water source protection	Water shortage automatic shutdown to prevent excessive pumping and prevent the pump from dry rotating; water source recovery, automatic start
Outlet pressure overpressure protection	Even if the pressure transmitter fails, the system can still judge that the pressure of the pipe network is too high, automatically stop and overpressure alarm.
Outlet pressure over low pressure protection	When the equipment is running at full load and the operating pressure is still lower than the lower limit of the set pressure, the system automatically stops and low pressure alarm.
Pump room flooding protection	When the pump room is flooded, the equipment will automatically stop and alarm.
Automatic pump change	Automatic switching of another pump running after a set time of single pump operation to equalize the pump put into operation time.
Shutdown to keep pressure	Tiny capacity at night, the equipment automatically sleeps, relying on the air pressure tank to stop to maintain pressure.

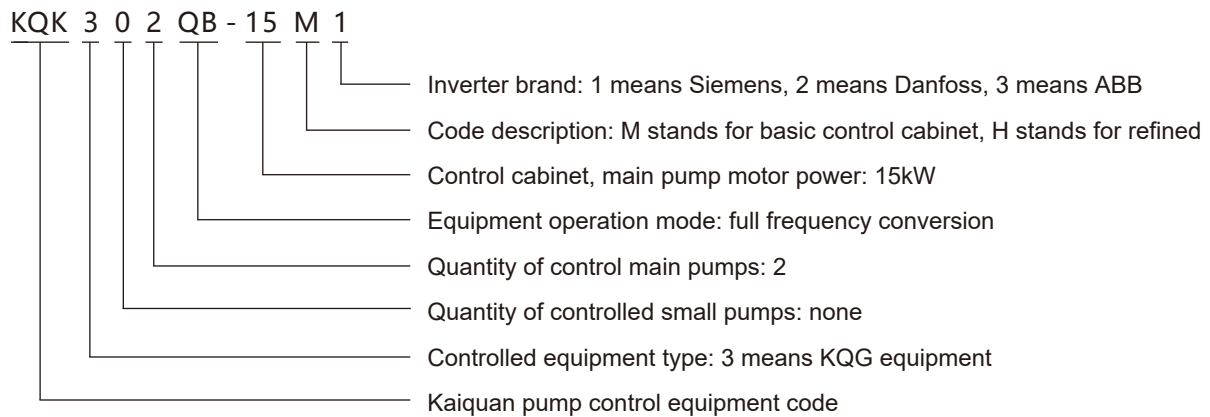
Notice: The control functions marked 1),2),3),4) are delicate type-H control cabinet functions, basic type-M control cabinet is not equipped with this function

Model Description

1. KQG series of complete sets of equipment model meaning examples are as follows:



2. KQG equipment supporting control cabinet model meaning examples are as follows:



Description: Basic type-M control cabinet, delicate type-H control cabinet configuration description see appendix table

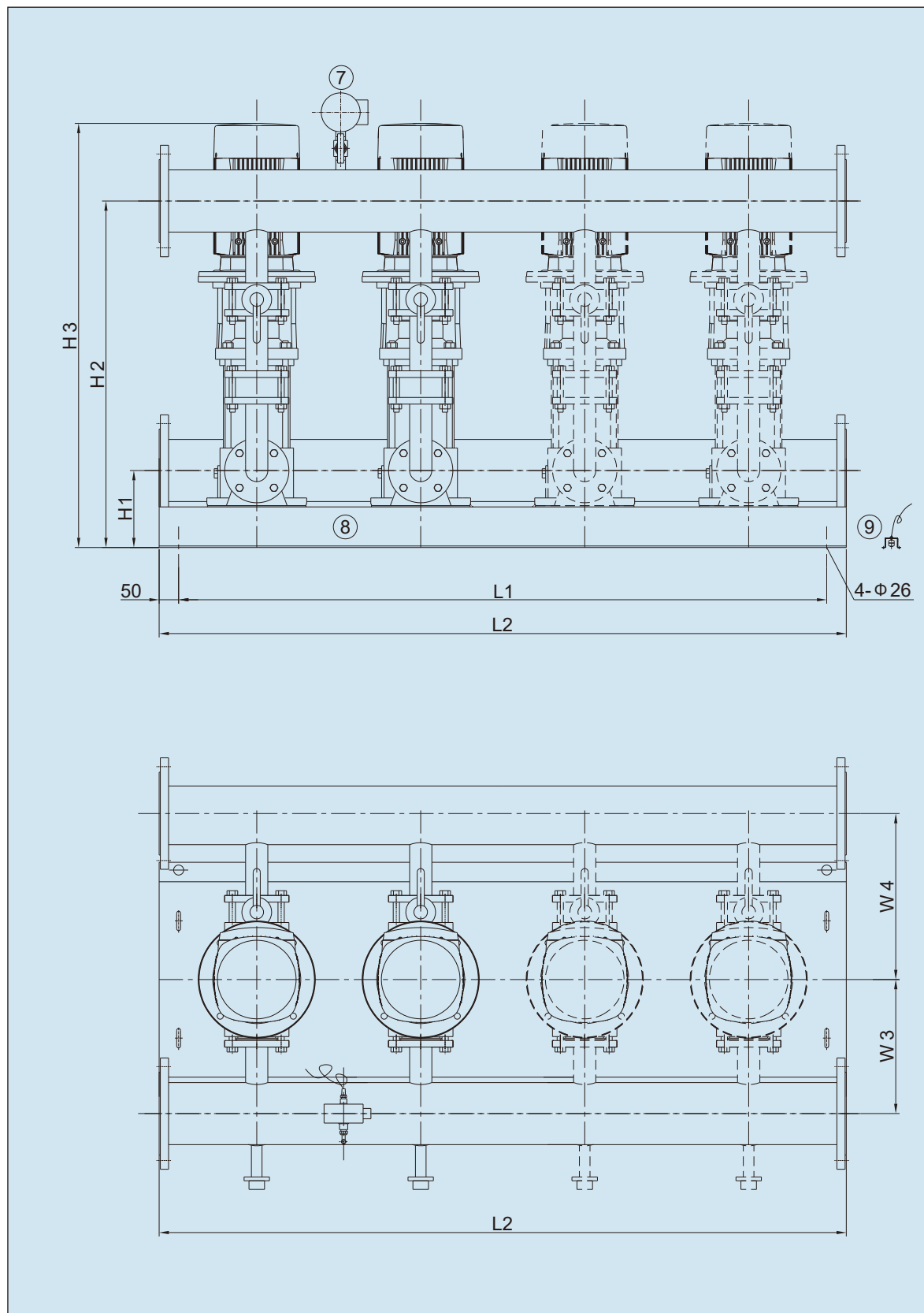
KQG Full Frequency Conversion Water Supply Equipment Supporting Delicate Type-H Control Cabinet

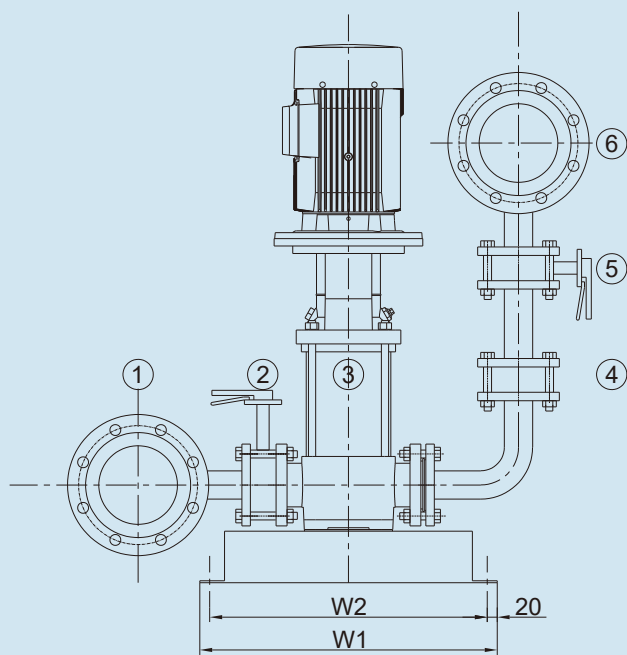


KQG Full Frequency Conversion Water Supply Equipment Supporting Basic Type-M Control Cabinet



Product Specifications, Performance and Installation Dimensions





Main Parts Name List			
No.	Name	No.	Name
1	Suction Main Pipe	6	Outlet Main Pipe
2	Inspection Valve	7	Pressure Sensor and Electric Contact Pressure Gauge
3	Vertical Multi-Stage Pumps (2-4 units)	8	Pump Set Base Frame
4	Check Valve	9	Water Leak Detection
5	Inspection Valve		

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps				Equipment Parameters						
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	3	4	5	6	7
1	50KQG-5-50-1.5X2	KQDQ 32-5-50	2	1.5	50	50	Head (m)	54	53	50	47	43
2	50KQG-5-58-1.5X2	KQDQ 32-5-58	2	1.5	50	50		63	61	58	55	51
3	50KQG-5-66-2.2X2	KQDQ 32-5-66	2	2.2	50	50		72	69	66	62	57
4	50KQG-5-73-2.2X2	KQDQ 32-5-73	2	2.2	50	50		80	77	73	69	63
5	50KQG-5-81-2.2X2	KQDQ 32-5-81	2	2.2	50	50		88	85	81	76	70
6	50KQG-5-88-2.2X2	KQDQ 32-5-88	2	2.2	50	50		96	92	88	83	77
7	50KQG-5-95-3X2	KQDQ 32-5-95	2	3	50	50		104	100	95	90	83
8	50KQG-5-103-3X2	KQDQ 32-5-103	2	3	50	50		112	108	103	97	90
9	50KQG-5-111-3X2	KQDQ 32-5-111	2	3	50	50		120	116	111	104	96
10	50KQG-5-119-3X2	KQDQ 32-5-119	2	3	50	50		128	124	119	112	103
11	50KQG-5-127-3X2	KQDQ 32-5-127	2	3	50	50		136	132	127	120	110
12	50KQG-5-134-4X2	KQDQ 32-5-134	2	4	50	50		144	139	134	126	117

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps				Equipment Parameters						
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	5	7	8	9	10
13	50KQG-8-34-1.5X2	KQDQ 40-8-34	2	1.5	50	50	Head (m)	35	34.5	34	32	31
14	50KQG-8-46-2.2X2	KQDQ 40-8-46	2	2.2	50	50		48	47	46	44	42
15	50KQG-8-57-2.2X2	KQDQ 40-8-57	2	2.2	50	50		59	58	57	55	53
16	50KQG-8-69-3X2	KQDQ 40-8-69	2	3	50	50		71	70	69	67	64
17	50KQG-8-81-3X2	KQDQ 40-8-81	2	3	50	50		83	82	81	78	74
18	50KQG-8-93-4X2	KQDQ 40-8-93	2	4	50	50		97	95	93	89	85
19	50KQG-8-105-4X2	KQDQ 40-8-105	2	4	50	50		109	107	105	101	96
20	50KQG-8-118-5.5X2	KQDQ 40-8-118	2	5.5	50	50		121	120	118	113	108
21	50KQG-8-130-5.5X2	KQDQ 40-8-130	2	5.5	50	50		133	131	130	125	120

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps				Equipment Parameters						
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	6	8	10	11	12
22	50KQG-10-32-1.5X2	KQDQ 40-10-32	2	1.5	50	50	Head (m)	33	32.5	32	31	29
23	50KQG-10-43-2.2X2	KQDQ 40-10-43	2	2.2	50	50		45	44	43	42	41
24	50KQG-10-54-2.2X2	KQDQ 40-10-54	2	2.2	50	50		57	56	54	52	50
25	50KQG-10-65-3X2	KQDQ 40-10-65	2	3	50	50		71	68	65	62	58
26	50KQG-10-76-4X2	KQDQ 40-10-76	2	4	50	50		82	79	76	72	67
27	50KQG-10-87-4X2	KQDQ 40-10-87	2	4	50	50		96	92	87	83	79
28	50KQG-10-98-4X2	KQDQ 40-10-98	2	4	50	50		108	103	98	93	88
29	50KQG-10-110-5.5X2	KQDQ 40-10-110	2	5.5	50	50		120	115	110	105	100
30	50KQG-10-122-5.5X2	KQDQ 40-10-122	2	5.5	50	50		132	127	122	116	110
31	50KQG-10-133-5.5X2	KQDQ 40-10-133	2	5.5	50	50		144	139	133	127	120

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps				Equipment Parameters						
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	7	9	12	14	15
32	80KQG-12-25-1.5X2	KQDQ 50-12-25	2	1.5	80	80	Head (m)	28	27	25	23	21
33	80KQG-12-39-2.2X2	KQDQ 50-12-39	2	2.2	80	80		43	42	39	35	32
34	80KQG-12-53-3X2	KQDQ 50-12-53	2	3	80	80		59	57	53	48	44
35	80KQG-12-67-4X2	KQDQ 50-12-67	2	4	80	80		74	72	67	61	57
36	80KQG-12-80-5.5X2	KQDQ 50-12-80	2	5.5	80	80		89	87	80	74	68
37	80KQG-12-94-5.5X2	KQDQ 50-12-94	2	5.5	80	80		104	102	94	86	80
38	80KQG-12-107-7.5X2	KQDQ 50-12-107	2	7.5	80	80		119	117	107	98	92
39	80KQG-12-121-7.5X2	KQDQ 50-12-121	2	7.5	80	80		133	130	121	110	104
40	80KQG-12-136-7.5X2	KQDQ 50-12-136	2	7.5	80	80		149	146	136	123	115

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps				Equipment Parameters						
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	10	13	16	18	20
41	80KQG-15-29-2.2X2	KQDQ 50-15-29	2	2.2	80	80	Head (m)	30.5	29.5	29	27	26
42	80KQG-15-43-3X2	KQDQ 50-15-43	2	3	80	80		46	45	43	41	39
43	80KQG-15-58-4X2	KQDQ 50-15-58	2	4	80	80		61	60	58	55	52
44	80KQG-15-72-5.5X2	KQDQ 50-15-72	2	5.5	80	80		76	75	72	68	65
45	80KQG-15-87-7.5X2	KQDQ 50-15-87	2	7.5	80	80		92	90	87	83	79
46	80KQG-15-102-7.5X2	KQDQ 50-15-102	2	7.5	80	80		108	106	102	98	93
47	80KQG-15-117-11X2	KQDQ 50-15-117	2	11	80	80		125	122	117	113	109
48	80KQG-15-133-11X2	KQDQ 50-15-133	2	11	80	80		141	138	133	128	122

No.	Equipment Model	Vertical Multi-Stage centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	10	13	16	18	20
49	80KQG-16-28-2.2X2	KQDQ 50-16-28	2	2.2	80	80	Head (m)	30	29	28	26	25
50	80KQG-16-42-3X2	KQDQ 50-16-42	2	3	80	80		45	44	42	40	38
51	80KQG-16-57-4X2	KQDQ 50-16-57	2	4	80	80		60	59	57	54	51
52	80KQG-16-71-5.5X2	KQDQ 50-16-71	2	5.5	80	80		75	74	71	67	64
53	80KQG-16-86-7.5X2	KQDQ 50-16-86	2	7.5	80	80		91	89	86	82	78
54	80KQG-16-100-7.5X2	KQDQ 50-16-100	2	7.5	80	80		107	104	100	96	92
55	80KQG-16-115-11X2	KQDQ 50-16-115	2	11	80	80		123	120	115	111	106
56	80KQG-16-130-11X2	KQDQ 50-16-130	2	11	80	80		140	136	130	125	120

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	12	15	20	22	24
57	80KQG-20-28-3X2	KQDQ 50-20-28	2	3	80	80	Head (m)	32	31	28	27	25
58	80KQG-20-43-4X2	KQDQ 50-20-43	2	4	80	80		49	47	43	41	38
59	80KQG-20-58-5.5X2	KQDQ 50-20-58	2	5.5	80	80		65	63	58	55	51
60	80KQG-20-74-7.5X2	KQDQ 50-20-74	2	7.5	80	80		82	80	74	70	65
61	80KQG-20-90-11X2	KQDQ 50-20-90	2	11	80	80		99	96	90	85	80
62	80KQG-20-105-11X2	KQDQ 50-20-105	2	11	80	80		116	113	105	100	95
63	80KQG-20-120-11X2	KQDQ 50-20-120	2	11	80	80		133	129	120	115	108
64	80KQG-20-135-15X2	KQDQ 50-20-135	2	15	80	80		150	145	135	129	122

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	19	26	32	36	38
65	100KQG-32-14-2.2X2	KQDQ 65-32-14	2	2.2	100	100	Head (m)	17	16	14	13	12.5
66	100KQG-32-29-4X2	KQDQ 65-32-29	2	4	100	100		35	33	29	27	26
67	100KQG-32-44-7.5X2	KQDQ 65-32-44	2	7.5	100	100		53	49	44	41	39
68	100KQG-32-59-11X2	KQDQ 65-32-59	2	11	100	100		70	65	59	53	50
69	100KQG-32-74-11X2	KQDQ 65-32-74	2	11	100	100		89	82	74	69	65.5
70	100KQG-32-90-15X2	KQDQ 65-32-90	2	15	100	100		107	99	90	84	80
71	100KQG-32-106-15X2	KQDQ 65-32-106	2	15	100	100		124	115	106	98	93

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	27	36	45	50	54
72	150KQG-45-26-5.5X2	KQDQ 80-45-26	2	5.5	150	150	Head (m)	33	32	26	23	18
73	150KQG-45-35-7.5X2	KQDQ 80-45-35	2	7.5	150	150		42	40	35	32	27
74	150KQG-45-44-11X2	KQDQ 80-45-44	2	11	150	150		56	52	44	41	33
75	150KQG-45-53-11X2	KQDQ 80-45-53	2	11	150	150		65	62	53	50	42
76	150KQG-45-62-15X2	KQDQ 80-45-62	2	15	150	150		77	76	62	57	47
77	150KQG-45-71-15X2	KQDQ 80-45-71	2	15	150	150		86	85	71	66	56
78	150KQG-45-79-15X2	KQDQ 80-45-79	2	15	150	150		99	89	79	72	60

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps		Outline and Installation Dimensions(mm)								
		Pump Model	Quantity of Units	L1	L2	W1	W2	W3	W4	H1	H2	H3
1	50KQG-5-50-1.5X2	KQDQ 32-5-50	2	820	920	600	560	375	442	183	785	858
2	50KQG-5-58-1.5X2	KQDQ 32-5-58	2	820	920	600	560	375	442	183	785	885
3	50KQG-5-66-2.2X2	KQDQ 32-5-66	2	820	920	600	560	375	442	183	785	912
4	50KQG-5-73-2.2X2	KQDQ 32-5-73	2	820	920	600	560	375	442	183	785	939
5	50KQG-5-81-2.2X2	KQDQ 32-5-81	2	820	920	600	560	375	442	183	785	966
6	50KQG-5-88-2.2X2	KQDQ 32-5-88	2	820	920	600	560	375	442	183	785	993
7	50KQG-5-95-3X2	KQDQ 32-5-95	2	820	920	600	560	375	442	183	785	1055
8	50KQG-5-103-3X2	KQDQ 32-5-103	2	820	920	600	560	375	442	183	785	1082
9	50KQG-5-111-3X2	KQDQ 32-5-111	2	820	920	600	560	375	442	183	785	1109
10	50KQG-5-119-3X2	KQDQ 32-5-119	2	820	920	600	560	375	442	183	785	1136
11	50KQG-5-127-3X2	KQDQ 32-5-127	2	820	920	600	560	375	442	183	785	1163
12	50KQG-5-134-4X2	KQDQ 32-5-134	2	820	920	600	560	375	442	183	785	1220
13	50KQG-8-34-1.5X2	KQDQ 40-8-34	2	820	920	600	560	323	362	188	790	811
14	50KQG-8-46-2.2X2	KQDQ 40-8-46	2	820	920	600	560	323	362	188	790	841
15	50KQG-8-57-2.2X2	KQDQ 40-8-57	2	820	920	600	560	323	362	188	790	871
16	50KQG-8-69-3X2	KQDQ 40-8-69	2	820	920	600	560	323	362	188	790	936
17	50KQG-8-81-3X2	KQDQ 40-8-81	2	820	920	600	560	323	362	188	790	966
18	50KQG-8-93-4X2	KQDQ 40-8-93	2	820	920	600	560	323	362	188	790	1026
19	50KQG-8-105-4X2	KQDQ 40-8-105	2	820	920	600	560	323	362	188	790	1056
20	50KQG-8-118-5.5X2	KQDQ 40-8-118	2	820	920	600	560	323	362	188	790	1191
21	50KQG-8-130-5.5X2	KQDQ 40-8-130	2	820	920	600	560	323	362	188	790	1221
22	50KQG-10-32-1.5X2	KQDQ 40-10-32	2	820	920	600	560	323	362	188	790	811
23	50KQG-10-43-2.2X2	KQDQ 40-10-43	2	820	920	600	560	323	362	188	790	841
24	50KQG-10-54-2.2X2	KQDQ 40-10-54	2	820	920	600	560	323	362	188	790	871
25	50KQG-10-65-3X2	KQDQ 40-10-65	2	820	920	600	560	323	362	188	790	936
26	50KQG-10-76-4X2	KQDQ 40-10-76	2	820	920	600	560	323	362	188	790	996
27	50KQG-10-87-4X2	KQDQ 40-10-87	2	820	920	600	560	323	362	188	790	1026
28	50KQG-10-98-4X2	KQDQ 40-10-98	2	820	920	600	560	323	362	188	790	1056
29	50KQG-10-110-5.5X2	KQDQ 40-10-110	2	820	920	600	560	323	362	188	790	1191
30	50KQG-10-122-5.5X2	KQDQ 40-10-122	2	820	920	600	560	323	362	188	790	1221
31	50KQG-10-133-5.5X2	KQDQ 40-10-133	2	820	920	600	560	323	362	188	790	1251
32	80KQG-12-25-1.5X2	KQDQ 50-12-25	2	820	920	600	560	343	388	198	851	791
33	80KQG-12-39-2.2X2	KQDQ 50-12-39	2	820	920	600	560	343	388	198	851	821
34	80KQG-12-53-3X2	KQDQ 50-12-53	2	820	920	600	560	343	388	198	851	886
35	80KQG-12-67-4X2	KQDQ 50-12-67	2	820	920	600	560	343	388	198	851	946
36	80KQG-12-80-5.5X2	KQDQ 50-12-80	2	820	920	600	560	343	388	198	851	1081
37	80KQG-12-94-5.5X2	KQDQ 50-12-94	2	820	920	600	560	343	388	198	851	1111
38	80KQG-12-107-7.5X2	KQDQ 50-12-107	2	820	920	600	560	343	388	198	851	1141
39	80KQG-12-121-7.5X2	KQDQ 50-12-121	2	820	920	600	560	343	388	198	851	1171

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps		Outline and Installation Dimensions(mm)								
		Pump Model	Quantity of Units	L1	L2	W1	W2	W3	W4	H1	H2	H3
40	80KQG-12-136-7.5X2	KQDQ 50-12-136	2	820	920	600	560	343	388	198	851	1201
41	80KQG-15-29-2.2X2	KQDQ 50-15-29	2	820	920	600	560	343	388	198	851	821
42	80KQG-15-43-3X2	KQDQ 50-15-43	2	820	920	600	560	343	388	198	851	901
43	80KQG-15-58-4X2	KQDQ 50-15-58	2	820	920	600	560	343	388	198	851	976
44	80KQG-15-72-5.5X2	KQDQ 50-15-72	2	820	920	600	560	343	388	198	851	1126
45	80KQG-15-87-7.5X2	KQDQ 50-15-87	2	820	920	600	560	343	388	198	851	1171
46	80KQG-15-102-7.5X2	KQDQ 50-15-102	2	820	920	600	560	343	388	198	851	1216
47	80KQG-15-117-11X2	KQDQ 50-15-117	2	820	920	600	560	343	388	198	851	1397
48	80KQG-15-133-11X2	KQDQ 50-15-133	2	820	920	600	560	343	388	198	851	1442
49	80KQG-16-28-2.2X2	KQDQ 50-16-28	2	820	920	600	560	343	388	198	851	821
50	80KQG-16-42-3X2	KQDQ 50-16-42	2	820	920	600	560	343	388	198	851	901
51	80KQG-16-57-4X2	KQDQ 50-16-57	2	820	920	600	560	343	388	198	851	976
52	80KQG-16-71-5.5X2	KQDQ 50-16-71	2	820	920	600	560	343	388	198	851	1126
53	80KQG-16-86-7.5X2	KQDQ 50-16-86	2	820	920	600	560	343	388	198	851	1171
54	80KQG-16-100-7.5X2	KQDQ 50-16-100	2	820	920	600	560	343	388	198	851	1216
55	80KQG-16-115-11X2	KQDQ 50-16-115	2	820	920	600	560	343	388	198	851	1397
56	80KQG-16-130-11X2	KQDQ 50-16-130	2	820	920	600	560	343	388	198	851	1442
57	80KQG-20-28-3X2	KQDQ 50-20-28	2	820	920	600	560	343	388	198	851	856
58	80KQG-20-43-4X2	KQDQ 50-20-43	2	820	920	600	560	343	388	198	851	931
59	80KQG-20-58-5.5X2	KQDQ 50-20-58	2	820	920	600	560	343	388	198	851	1081
60	80KQG-20-74-7.5X2	KQDQ 50-20-74	2	820	920	600	560	343	388	198	851	1126
61	80KQG-20-90-11X2	KQDQ 50-20-90	2	820	920	600	560	343	388	198	851	1307
62	80KQG-20-105-11X2	KQDQ 50-20-105	2	820	920	600	560	343	388	198	851	1352
63	80KQG-20-120-11X2	KQDQ 50-20-120	2	820	920	600	560	343	388	198	851	1397
64	80KQG-20-135-15X2	KQDQ 50-20-135	2	820	920	600	560	343	388	198	851	1442
65	100KQG-32-14-2.2X2	KQDQ 65-32-14	2	820	920	600	560	367	424	213	899	822
66	100KQG-32-29-4X2	KQDQ 65-32-29	2	820	920	600	560	367	424	213	899	931
67	100KQG-32-44-7.5X2	KQDQ 65-32-44	2	820	920	600	560	367	424	213	899	1140
68	100KQG-32-59-11X2	KQDQ 65-32-59	2	820	920	600	560	367	424	213	899	1319
69	100KQG-32-74-11X2	KQDQ 65-32-74	2	820	920	600	560	367	424	213	899	1463
70	100KQG-32-90-15X2	KQDQ 65-32-90	2	820	920	600	560	367	424	213	899	1517
71	100KQG-32-106-15X2	KQDQ 65-32-106	2	820	920	600	560	367	424	213	899	1571
72	150KQG-45-26-5.5X2	KQDQ 80-45-26	2	820	920	600	560	395	478	248	1014	1156
73	150KQG-45-35-7.5X2	KQDQ 80-45-35	2	820	920	600	560	395	478	248	1014	1156
74	150KQG-45-44-11X2	KQDQ 80-45-44	2	820	920	600	560	395	478	248	1014	1441
75	150KQG-45-53-11X2	KQDQ 80-45-53	2	820	920	600	560	395	478	248	1014	1441
76	150KQG-45-62-15X2	KQDQ 80-45-62	2	820	920	600	560	395	478	248	1014	1521
77	150KQG-45-71-15X2	KQDQ 80-45-71	2	820	920	600	560	395	478	248	1014	1521
78	150KQG-45-79-15X2	KQDQ 80-45-79	2	820	920	600	560	395	478	248	1014	1601

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	6	8	10	12	14
1	65KQG-10-50-1.5X3	KQDQ 32-5-50	3	1.5	65	65	Head (m)	54	53	50	47	43
2	65KQG-10-58-1.5X3	KQDQ 32-5-58	3	1.5	65	65		63	61	58	55	51
3	65KQG-10-66-2.2X3	KQDQ 32-5-66	3	2.2	65	65		72	69	66	62	57
4	65KQG-10-73-2.2X3	KQDQ 32-5-73	3	2.2	65	65		80	77	73	69	63
5	65KQG-10-81-2.2X3	KQDQ 32-5-81	3	2.2	65	65		88	85	81	76	70
6	65KQG-10-88-2.2X3	KQDQ 32-5-88	3	2.2	65	65		96	92	88	83	77
7	65KQG-10-95-3X3	KQDQ 32-5-95	3	3	65	65		104	100	95	90	83
8	65KQG-10-103-3X3	KQDQ 32-5-103	3	3	65	65		112	108	103	97	90
9	65KQG-10-111-3X3	KQDQ 32-5-111	3	3	65	65		120	116	111	104	96
10	65KQG-10-119-3X3	KQDQ 32-5-119	3	3	65	65		128	124	119	112	103
11	65KQG-10-127-3X3	KQDQ 32-5-127	3	3	65	65		136	132	127	120	110
12	65KQG-10-134-4X3	KQDQ 32-5-134	3	4	65	65		144	139	134	126	117

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	10	14	16	18	20
13	65KQG-16-34-1.5X3	KQDQ 40-8-34	3	1.5	65	65	Head (m)	35	34.5	34	32	31
14	65KQG-16-46-2.2X3	KQDQ 40-8-46	3	2.2	65	65		48	47	46	44	42
15	65KQG-16-57-2.2X3	KQDQ 40-8-57	3	2.2	65	65		59	58	57	55	53
16	65KQG-16-69-3X3	KQDQ 40-8-69	3	3	65	65		71	70	69	67	64
17	65KQG-16-81-3X3	KQDQ 40-8-81	3	3	65	65		83	82	81	78	74
18	65KQG-16-93-4X3	KQDQ 40-8-93	3	4	65	65		97	95	93	89	85
19	65KQG-16-105-4X3	KQDQ 40-8-105	3	4	65	65		109	107	105	101	96
20	65KQG-16-118-5.5X3	KQDQ 40-8-118	3	5.5	65	65		121	120	118	113	108
21	65KQG-16-130-5.5X3	KQDQ 40-8-130	3	5.5	65	65		133	131	130	125	120

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	12	16	20	22	24
22	65KQG-20-32-1.5X3	KQDQ 40-10-32	3	1.5	65	65	Head (m)	33	32.5	32	31	29
23	65KQG-20-43-2.2X3	KQDQ 40-10-43	3	2.2	65	65		45	44	43	42	41
24	65KQG-20-54-2.2X3	KQDQ 40-10-54	3	2.2	65	65		57	56	54	52	50
25	65KQG-20-65-3X3	KQDQ 40-10-65	3	3	65	65		71	68	65	62	58
26	65KQG-20-76-4X3	KQDQ 40-10-76	3	4	65	65		82	79	76	72	67
27	65KQG-20-87-4X3	KQDQ 40-10-87	3	4	65	65		96	92	87	83	79
28	65KQG-20-98-4X3	KQDQ 40-10-98	3	4	65	65		108	103	98	93	88
29	65KQG-20-110-5.5X3	KQDQ 40-10-110	3	5.5	65	65		120	115	110	105	100
30	65KQG-20-122-5.5X3	KQDQ 40-10-122	3	5.5	65	65		132	127	122	116	110
31	65KQG-20-133-5.5X3	KQDQ 40-10-133	3	5.5	65	65		144	139	133	127	120

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	14	18	24	28	30
32	100KQG-24-25-1.5X3	KQDQ 50-12-25	3	1.5	100	100	Head (m)	28	27	25	23	21
33	100KQG-24-39-2.2X3	KQDQ 50-12-39	3	2.2	100	100		43	42	39	35	32
34	100KQG-24-53-3X3	KQDQ 50-12-53	3	3	100	100		59	57	53	48	44
35	100KQG-24-67-4X3	KQDQ 50-12-67	3	4	100	100		74	72	67	61	57
36	100KQG-24-80-5.5X3	KQDQ 50-12-80	3	5.5	100	100		89	87	80	74	68
37	100KQG-24-94-5.5X3	KQDQ 50-12-94	3	5.5	100	100		104	102	94	86	80
38	100KQG-24-107-7.5X3	KQDQ 50-12-107	3	7.5	100	100		119	117	107	98	92
39	100KQG-24-121-7.5X3	KQDQ 50-12-121	3	7.5	100	100		133	130	121	110	104
40	100KQG-24-136-7.5X3	KQDQ 50-12-136	3	7.5	100	100		149	146	136	123	115

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	18	22	30	34	38
41	100KQG-30-29-2.2X3	KQDQ 50-15-29	3	2.2	100	100	Head (m)	30.5	29.5	29	27	26
42	100KQG-30-43-3X3	KQDQ 50-15-43	3	3	100	100		46	45	43	41	39
43	100KQG-30-58-4X3	KQDQ 50-15-58	3	4	100	100		61	60	58	55	52
44	100KQG-30-72-5.5X3	KQDQ 50-15-72	3	5.5	100	100		76	75	72	68	65
45	100KQG-30-87-7.5X3	KQDQ 50-15-87	3	7.5	100	100		92	90	87	83	79
46	100KQG-30-102-7.5X3	KQDQ 50-15-102	3	7.5	100	100		108	106	102	98	93
47	100KQG-30-117-11X3	KQDQ 50-15-117	3	11	100	100		125	122	117	113	109
48	100KQG-30-133-11X3	KQDQ 50-15-133	3	11	100	100		141	138	133	128	122

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	20	26	32	36	40
49	100KQG-32-28-2.2X3	KQDQ 50-16-28	3	2.2	100	100	Head (m)	30	29	28	26	25
50	100KQG-32-42-3X3	KQDQ 50-16-42	3	3	100	100		45	44	42	40	38
51	100KQG-32-57-4X3	KQDQ 50-16-57	3	4	100	100		60	59	57	54	51
52	100KQG-32-71-5.5X3	KQDQ 50-16-71	3	5.5	100	100		75	74	71	67	64
53	100KQG-32-86-7.5X3	KQDQ 50-16-86	3	7.5	100	100		91	89	86	82	78
54	100KQG-32-100-7.5X3	KQDQ 50-16-100	3	7.5	100	100		107	104	100	96	92
55	100KQG-32-115-11X3	KQDQ 50-16-115	3	11	100	100		123	120	115	111	106
56	100KQG-32-130-11X3	KQDQ 50-16-130	3	11	100	100		140	136	130	125	120

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	24	30	40	44	48
57	100KQG-40-28-3X3	KQDQ 50-20-28	3	3	100	100	Head (m)	32	31	28	27	25
58	100KQG-40-43-4X3	KQDQ 50-20-43	3	4	100	100		49	47	43	41	38
59	100KQG-40-58-5.5X3	KQDQ 50-20-58	3	5.5	100	100		65	63	58	55	51
60	100KQG-40-74-7.5X3	KQDQ 50-20-74	3	7.5	100	100		82	80	74	70	65
61	100KQG-40-90-11X3	KQDQ 50-20-90	3	11	100	100		99	96	90	85	80
62	100KQG-40-105-11X3	KQDQ 50-20-105	3	11	100	100		116	113	105	100	95
63	100KQG-40-120-11X3	KQDQ 50-20-120	3	11	100	100		133	129	120	115	108
64	100KQG-40-135-15X3	KQDQ 50-20-135	3	15	100	100		150	145	135	129	122

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	38	52	64	72	76
65	150KQG-64-14-2.2X3	KQDQ 65-32-14	3	2.2	150	150	Head (m)	17	16	14	13	12.5
66	150KQG-64-29-4X3	KQDQ 65-32-29	3	4	150	150		35	33	29	27	26
67	150KQG-64-44-7.5X3	KQDQ 65-32-44	3	7.5	150	150		53	49	44	41	39
68	150KQG-64-59-11X3	KQDQ 65-32-59	3	11	150	150		70	65	59	53	50
69	150KQG-64-74-11X3	KQDQ 65-32-74	3	11	150	150		89	82	74	69	65.5
70	150KQG-64-90-15X3	KQDQ 65-32-90	3	15	150	150		107	99	90	84	80
71	150KQG-64-106-15X3	KQDQ 65-32-106	3	15	150	150		124	115	106	98	93

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	54	72	90	100	108
72	150KQG-90-26-5.5X3	KQDQ 80-45-26	3	5.5	150	150	Head (m)	33	32	26	23	18
73	150KQG-90-35-7.5X3	KQDQ 80-45-35	3	7.5	150	150		42	40	35	32	27
74	150KQG-90-44-11X3	KQDQ 80-45-44	3	11	150	150		56	52	44	41	33
75	150KQG-90-53-11X3	KQDQ 80-45-53	3	11	150	150		65	62	53	50	42
76	150KQG-90-62-15X3	KQDQ 80-45-62	3	15	150	150		77	76	62	57	47
77	150KQG-90-71-15X3	KQDQ 80-45-71	3	15	150	150		86	85	71	66	56
78	150KQG-90-79-15X3	KQDQ 80-45-79	3	15	150	150		99	89	79	72	60

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps		Outline and Installation Dimensions(mm)								
		Pump Model	Quantity of Units	L1	L2	W1	W2	W3	W4	H1	H2	H3
1	65KQG-10-50-1.5X3	KQDQ 32-5-50	3	1240	1340	600	560	375	451	183	794	858
2	65KQG-10-58-1.5X3	KQDQ 32-5-58	3	1240	1340	600	560	375	451	183	794	885
3	65KQG-10-66-2.2X3	KQDQ 32-5-66	3	1240	1340	600	560	375	451	183	794	912
4	65KQG-10-73-2.2X3	KQDQ 32-5-73	3	1240	1340	600	560	375	451	183	794	939
5	65KQG-10-81-2.2X3	KQDQ 32-5-81	3	1240	1340	600	560	375	451	183	794	966
6	65KQG-10-88-2.2X3	KQDQ 32-5-88	3	1240	1340	600	560	375	451	183	794	993
7	65KQG-10-95-3X3	KQDQ 32-5-95	3	1240	1340	600	560	375	451	183	794	1055
8	65KQG-10-103-3X3	KQDQ 32-5-103	3	1240	1340	600	560	375	451	183	794	1082
9	65KQG-10-111-3X3	KQDQ 32-5-111	3	1240	1340	600	560	375	451	183	794	1109
10	65KQG-10-119-3X3	KQDQ 32-5-119	3	1240	1340	600	560	375	451	183	794	1136
11	65KQG-10-127-3X3	KQDQ 32-5-127	3	1240	1340	600	560	375	451	183	794	1163
12	65KQG-10-134-4X3	KQDQ 32-5-134	3	1240	1340	600	560	375	451	183	794	1220
13	65KQG-16-34-1.5X3	KQDQ 40-8-34	3	1240	1340	600	560	323	371	188	799	811
14	65KQG-16-46-2.2X3	KQDQ 40-8-46	3	1240	1340	600	560	323	371	188	799	841
15	65KQG-16-57-2.2X3	KQDQ 40-8-57	3	1240	1340	600	560	323	371	188	799	871
16	65KQG-16-69-3X3	KQDQ 40-8-69	3	1240	1340	600	560	323	371	188	799	936
17	65KQG-16-81-3X3	KQDQ 40-8-81	3	1240	1340	600	560	323	371	188	799	966
18	65KQG-16-93-4X3	KQDQ 40-8-93	3	1240	1340	600	560	323	371	188	799	1026
19	65KQG-16-105-4X3	KQDQ 40-8-105	3	1240	1340	600	560	323	371	188	799	1056
20	65KQG-16-118-5.5X3	KQDQ 40-8-118	3	1240	1340	600	560	323	371	188	799	1191
21	65KQG-16-130-5.5X3	KQDQ 40-8-130	3	1240	1340	600	560	323	371	188	799	1221
22	65KQG-20-32-1.5X3	KQDQ 40-10-32	3	1240	1340	600	560	323	371	188	799	811
23	65KQG-20-43-2.2X3	KQDQ 40-10-43	3	1240	1340	600	560	323	371	188	799	841
24	65KQG-20-54-2.2X3	KQDQ 40-10-54	3	1240	1340	600	560	323	371	188	799	871
25	65KQG-20-65-3X3	KQDQ 40-10-65	3	1240	1340	600	560	323	371	188	799	936
26	65KQG-20-76-4X3	KQDQ 40-10-76	3	1240	1340	600	560	323	371	188	799	996
27	65KQG-20-87-4X3	KQDQ 40-10-87	3	1240	1340	600	560	323	371	188	799	1026
28	65KQG-20-98-4X3	KQDQ 40-10-98	3	1240	1340	600	560	323	371	188	799	1056
29	65KQG-20-110-5.5X3	KQDQ 40-10-110	3	1240	1340	600	560	323	371	188	799	1191
30	65KQG-20-122-5.5X3	KQDQ 40-10-122	3	1240	1340	600	560	323	371	188	799	1221
31	65KQG-20-133-5.5X3	KQDQ 40-10-133	3	1240	1340	600	560	323	371	188	799	1251
32	100KQG-24-25-1.5X3	KQDQ 50-12-25	3	1240	1340	600	560	343	397	198	860	791
33	100KQG-24-39-2.2X3	KQDQ 50-12-39	3	1240	1340	600	560	343	397	198	860	821
34	100KQG-24-53-3X3	KQDQ 50-12-53	3	1240	1340	600	560	343	397	198	860	886
35	100KQG-24-67-4X3	KQDQ 50-12-67	3	1240	1340	600	560	343	397	198	860	946
36	100KQG-24-80-5.5X3	KQDQ 50-12-80	3	1240	1340	600	560	343	397	198	860	1081
37	100KQG-24-94-5.5X3	KQDQ 50-12-94	3	1240	1340	600	560	343	397	198	860	1111
38	100KQG-24-107-7.5X3	KQDQ 50-12-107	3	1240	1340	600	560	343	397	198	860	1141
39	100KQG-24-121-7.5X3	KQDQ 50-12-121	3	1240	1340	600	560	343	397	198	860	1171

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps		Outline and Installation Dimensions(mm)								
		Pump Model	Quantity of Units	L1	L2	W1	W2	W3	W4	H1	H2	H3
40	100KQG-24-136-7.5X3	KQDQ 50-12-136	3	1240	1340	600	560	343	397	198	860	1201
41	100KQG-30-29-2.2X3	KQDQ 50-15-29	3	1240	1340	600	560	343	397	198	860	821
42	100KQG-30-43-3X3	KQDQ 50-15-43	3	1240	1340	600	560	343	397	198	860	901
43	100KQG-30-58-4X3	KQDQ 50-15-58	3	1240	1340	600	560	343	397	198	860	976
44	100KQG-30-72-5.5X3	KQDQ 50-15-72	3	1240	1340	600	560	343	397	198	860	1126
45	100KQG-30-87-7.5X3	KQDQ 50-15-87	3	1240	1340	600	560	343	397	198	860	1171
46	100KQG-30-102-7.5X3	KQDQ 50-15-102	3	1240	1340	600	560	343	397	198	860	1216
47	100KQG-30-117-11X3	KQDQ 50-15-117	3	1240	1340	600	560	343	397	198	860	1397
48	100KQG-30-133-11X3	KQDQ 50-15-133	3	1240	1340	600	560	343	397	198	860	1442
49	100KQG-32-28-2.2X3	KQDQ 50-16-28	3	1240	1340	600	560	343	397	198	860	821
50	100KQG-32-42-3X3	KQDQ 50-16-42	3	1240	1340	600	560	343	397	198	860	901
51	100KQG-32-57-4X3	KQDQ 50-16-57	3	1240	1340	600	560	343	397	198	860	976
52	100KQG-32-71-5.5X3	KQDQ 50-16-71	3	1240	1340	600	560	343	397	198	860	1126
53	100KQG-32-86-7.5X3	KQDQ 50-16-86	3	1240	1340	600	560	343	397	198	860	1171
54	100KQG-32-100-7.5X3	KQDQ 50-16-100	3	1240	1340	600	560	343	397	198	860	1216
55	100KQG-32-115-11X3	KQDQ 50-16-115	3	1240	1340	600	560	343	397	198	860	1397
56	100KQG-32-130-11X3	KQDQ 50-16-130	3	1240	1340	600	560	343	397	198	860	1442
57	100KQG-40-28-3X3	KQDQ 50-20-28	3	1240	1340	600	560	343	397	198	860	856
58	100KQG-40-43-4X3	KQDQ 50-20-43	3	1240	1340	600	560	343	397	198	860	931
59	100KQG-40-58-5.5X3	KQDQ 50-20-58	3	1240	1340	600	560	343	397	198	860	1081
60	100KQG-40-74-7.5X3	KQDQ 50-20-74	3	1240	1340	600	560	343	397	198	860	1126
61	100KQG-40-90-11X3	KQDQ 50-20-90	3	1240	1340	600	560	343	397	198	860	1307
62	100KQG-40-105-11X3	KQDQ 50-20-105	3	1240	1340	600	560	343	397	198	860	1352
63	100KQG-40-120-11X3	KQDQ 50-20-120	3	1240	1340	600	560	343	397	198	860	1397
64	100KQG-40-135-15X3	KQDQ 50-20-135	3	1240	1340	600	560	343	397	198	860	1442
65	150KQG-64-14-2.2X3	KQDQ 65-32-14	3	1240	1340	600	560	367	450	213	925	822
66	150KQG-64-29-4X3	KQDQ 65-32-29	3	1240	1340	600	560	367	450	213	925	931
67	150KQG-64-44-7.5X3	KQDQ 65-32-44	3	1240	1340	600	560	367	450	213	925	1140
68	150KQG-64-59-11X3	KQDQ 65-32-59	3	1240	1340	600	560	367	450	213	925	1319
69	150KQG-64-74-11X3	KQDQ 65-32-74	3	1240	1340	600	560	367	450	213	925	1463
70	150KQG-64-90-15X3	KQDQ 65-32-90	3	1240	1340	600	560	367	450	213	925	1517
71	150KQG-64-106-15X3	KQDQ 65-32-106	3	1240	1340	600	560	367	450	213	925	1571
72	150KQG-90-26-5.5X3	KQDQ 80-45-26	3	1240	1340	600	560	395	478	248	1014	1156
73	150KQG-90-35-7.5X3	KQDQ 80-45-35	3	1240	1340	600	560	395	478	248	1014	1156
74	150KQG-90-44-11X3	KQDQ 80-45-44	3	1240	1340	600	560	395	478	248	1014	1441
75	150KQG-90-53-11X3	KQDQ 80-45-53	3	1240	1340	600	560	395	478	248	1014	1441
76	150KQG-90-62-15X3	KQDQ 80-45-62	3	1240	1340	600	560	395	478	248	1014	1521
77	150KQG-90-71-15X3	KQDQ 80-45-71	3	1240	1340	600	560	395	478	248	1014	1521
78	150KQG-90-79-15X3	KQDQ 80-45-79	3	1240	1340	600	560	395	478	248	1014	1601

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	9	12	15	18	21
1	80KQG-15-50-1.5X4	KQDQ 32-5-50	4	1.5	80	80	Head (m)	54	53	50	47	43
2	80KQG-15-58-1.5X4	KQDQ 32-5-58	4	1.5	80	80		63	61	58	55	51
3	80KQG-15-66-2.2X4	KQDQ 32-5-66	4	2.2	80	80		72	69	66	62	57
4	80KQG-15-73-2.2X4	KQDQ 32-5-73	4	2.2	80	80		80	77	73	69	63
5	80KQG-15-81-2.2X4	KQDQ 32-5-81	4	2.2	80	80		88	85	81	76	70
6	80KQG-15-88-2.2X4	KQDQ 32-5-88	4	2.2	80	80		96	92	88	83	77
7	80KQG-15-95-3X4	KQDQ 32-5-95	4	3	80	80		104	100	95	90	83
8	80KQG-15-103-3X4	KQDQ 32-5-103	4	3	80	80		112	108	103	97	90
9	80KQG-15-111-3X4	KQDQ 32-5-111	4	3	80	80		120	116	111	104	96
10	80KQG-15-119-3X4	KQDQ 32-5-119	4	3	80	80		128	124	119	112	103
11	80KQG-15-127-3X4	KQDQ 32-5-127	4	3	80	80		136	132	127	120	110
12	80KQG-15-134-4X4	KQDQ 32-5-134	4	4	80	80		144	139	134	126	117

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	15	21	24	27	30
13	80KQG-24-34-1.5X4	KQDQ 40-8-34	4	1.5	80	80	Head (m)	35	34.5	34	32	31
14	80KQG-24-46-2.2X4	KQDQ 40-8-46	4	2.2	80	80		48	47	46	44	42
15	80KQG-24-57-2.2X4	KQDQ 40-8-57	4	2.2	80	80		59	58	57	55	53
16	80KQG-24-69-3X4	KQDQ 40-8-69	4	3	80	80		71	70	69	67	64
17	80KQG-24-81-3X4	KQDQ 40-8-81	4	3	80	80		83	82	81	78	74
18	80KQG-24-93-4X4	KQDQ 40-8-93	4	4	80	80		97	95	93	89	85
19	80KQG-24-105-4X4	KQDQ 40-8-105	4	4	80	80		109	107	105	101	96
20	80KQG-24-118-5.5X4	KQDQ 40-8-118	4	5.5	80	80		121	120	118	113	108
21	80KQG-24-130-5.5X4	KQDQ 40-8-130	4	5.5	80	80		133	131	130	125	120

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	18	24	30	33	36
22	80KQG-30-32-1.5X4	KQDQ 40-10-32	4	1.5	80	80	Head (m)	33	32.5	32	31	29
23	80KQG-30-43-2.2X4	KQDQ 40-10-43	4	2.2	80	80		45	44	43	42	41
24	80KQG-30-54-2.2X4	KQDQ 40-10-54	4	2.2	80	80		57	56	54	52	50
25	80KQG-30-65-3X4	KQDQ 40-10-65	4	3	80	80		71	68	65	62	58
26	80KQG-30-76-4X4	KQDQ 40-10-76	4	4	80	80		82	79	76	72	67
27	80KQG-30-87-4X4	KQDQ 40-10-87	4	4	80	80		96	92	87	83	79
28	80KQG-30-98-4X4	KQDQ 40-10-98	4	4	80	80		108	103	98	93	88
29	80KQG-30-110-5.5X4	KQDQ 40-10-110	4	5.5	80	80		120	115	110	105	100
30	80KQG-30-122-5.5X4	KQDQ 40-10-122	4	5.5	80	80		132	127	122	116	110
31	80KQG-30-133-5.5X4	KQDQ 40-10-133	4	5.5	80	80		144	139	133	127	120

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	21	27	36	42	45
32	150KQG-36-25-1.5X4	KQDQ 50-12-25	4	1.5	150	150	Head (m)	28	27	25	23	21
33	150KQG-36-39-2.2X4	KQDQ 50-12-39	4	2.2	150	150		43	42	39	35	32
34	150KQG-36-53-3X4	KQDQ 50-12-53	4	3	150	150		59	57	53	48	44
35	150KQG-36-67-4X4	KQDQ 50-12-67	4	4	150	150		74	72	67	61	57
36	150KQG-36-80-5.5X4	KQDQ 50-12-80	4	5.5	150	150		89	87	80	74	68
37	150KQG-36-94-5.5X4	KQDQ 50-12-94	4	5.5	150	150		104	102	94	86	80
38	150KQG-36-107-7.5X4	KQDQ 50-12-107	4	7.5	150	150		119	117	107	98	92
39	150KQG-36-121-7.5X4	KQDQ 50-12-121	4	7.5	150	150		133	130	121	110	104
40	150KQG-36-136-7.5X4	KQDQ 50-12-136	4	7.5	150	150		149	146	136	123	115

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	27	33	45	51	57
41	150KQG-45-29-2.2X4	KQDQ 50-15-29	4	2.2	150	150	Head (m)	30.5	29.5	29	27	26
42	150KQG-45-43-3X4	KQDQ 50-15-43	4	3	150	150		46	45	43	41	39
43	150KQG-45-58-4X4	KQDQ 50-15-58	4	4	150	150		61	60	58	55	52
44	150KQG-45-72-5.5X4	KQDQ 50-15-72	4	5.5	150	150		76	75	72	68	65
45	150KQG-45-87-7.5X4	KQDQ 50-15-87	4	7.5	150	150		92	90	87	83	79
46	150KQG-45-102-7.5X4	KQDQ 50-15-102	4	7.5	150	150		108	106	102	98	93
47	150KQG-45-117-11X4	KQDQ 50-15-117	4	11	150	150		125	122	117	113	109
48	150KQG-45-133-11X4	KQDQ 50-15-133	4	11	150	150		141	138	133	128	122

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	30	39	48	54	60
49	150KQG-48-28-2.2X4	KQDQ 50-16-28	4	2.2	150	150	Head (m)	30	29	28	26	25
50	150KQG-48-42-3X4	KQDQ 50-16-42	4	3	150	150		45	44	42	40	38
51	150KQG-48-57-4X4	KQDQ 50-16-57	4	4	150	150		60	59	57	54	51
52	150KQG-48-71-5.5X4	KQDQ 50-16-71	4	5.5	150	150		75	74	71	67	64
53	150KQG-48-86-7.5X4	KQDQ 50-16-86	4	7.5	150	150		91	89	86	82	78
54	150KQG-48-100-7.5X4	KQDQ 50-16-100	4	7.5	150	150		107	104	100	96	92
55	150KQG-48-115-11X4	KQDQ 50-16-115	4	11	150	150		123	120	115	111	106
56	150KQG-48-130-11X4	KQDQ 50-16-130	4	11	150	150		140	136	130	125	120

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	36	45	60	66	72
57	150KQG-60-28-3X4	KQDQ 50-20-28	4	3	150	150	Head (m)	32	31	28	27	25
58	150KQG-60-43-4X4	KQDQ 50-20-43	4	4	150	150		49	47	43	41	38
59	150KQG-60-58-5.5X4	KQDQ 50-20-58	4	5.5	150	150		65	63	58	55	51
60	150KQG-60-74-7.5X4	KQDQ 50-20-74	4	7.5	150	150		82	80	74	70	65
61	150KQG-60-90-11X4	KQDQ 50-20-90	4	11	150	150		99	96	90	85	80
62	150KQG-60-105-11X4	KQDQ 50-20-105	4	11	150	150		116	113	105	100	95
63	150KQG-60-120-11X4	KQDQ 50-20-120	4	11	150	150		133	129	120	115	108
64	150KQG-60-135-15X4	KQDQ 50-20-135	4	15	150	150		150	145	135	129	122

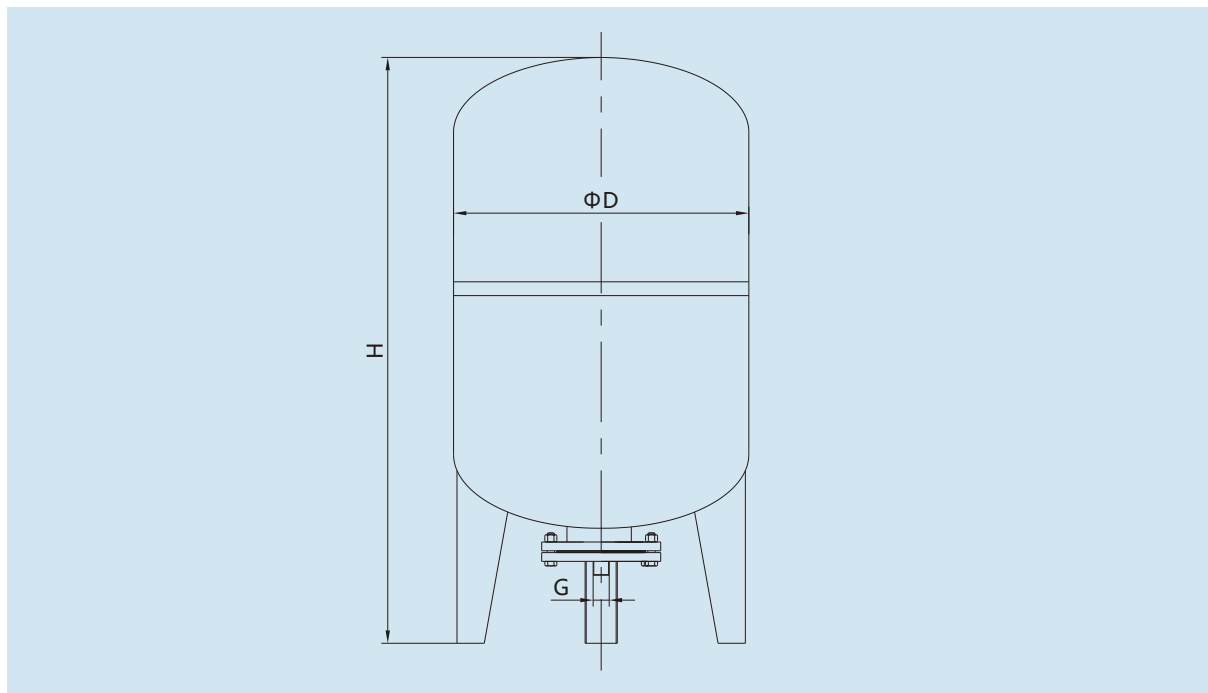
No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	57	78	96	108	114
65	150KQG-96-14-2.2X4	KQDQ 65-32-14	4	2.2	150	150	Head (m)	17	16	14	13	12.5
66	150KQG-96-29-4X4	KQDQ 65-32-29	4	4	150	150		35	33	29	27	26
67	150KQG-96-44-7.5X4	KQDQ 65-32-44	4	7.5	150	150		53	49	44	41	39
68	150KQG-96-59-11X4	KQDQ 65-32-59	4	11	150	150		70	65	59	53	50
69	150KQG-96-74-11X4	KQDQ 65-32-74	4	11	150	150		89	82	74	69	65.5
70	150KQG-96-90-15X4	KQDQ 65-32-90	4	15	150	150		107	99	90	84	80
71	150KQG-96-106-15X4	KQDQ 65-32-106	4	15	150	150		124	115	106	98	93

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps			Equipment Parameters							
		Pump Model	Quantity of Units	Single Pump Power (kW)	Suction Main Pipe DN	Outlet Main Pipe DN	Equipment Capacity (m³/h)	81	108	135	150	162
72	200KQG-135-26-5.5X4	KQDQ 80-45-26	4	5.5	200	200	Head (m)	33	32	26	23	18
73	200KQG-135-35-7.5X4	KQDQ 80-45-35	4	7.5	200	200		42	40	35	32	27
74	200KQG-135-44-11X4	KQDQ 80-45-44	4	11	200	200		56	52	44	41	33
75	200KQG-135-53-11X4	KQDQ 80-45-53	4	11	200	200		65	62	53	50	42
76	200KQG-135-62-15X4	KQDQ 80-45-62	4	15	200	200		77	76	62	57	47
77	200KQG-135-71-15X4	KQDQ 80-45-71	4	15	200	200		86	85	71	66	56
78	200KQG-135-79-15X4	KQDQ 80-45-79	4	15	200	200		99	89	79	72	60

No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps		Outline and Installation Dimensions(mm)								
		Pump Model	Quantity of Units	L1	L2	W1	W2	W3	W4	H1	H2	H3
1	80KQG-15-50-1.5X4	KQDQ 32-5-50	4	1660	1760	600	560	375	458	183	801	858
2	80KQG-15-58-1.5X4	KQDQ 32-5-58	4	1660	1760	600	560	375	458	183	801	885
3	80KQG-15-66-2.2X4	KQDQ 32-5-66	4	1660	1760	600	560	375	458	183	801	912
4	80KQG-15-73-2.2X4	KQDQ 32-5-73	4	1660	1760	600	560	375	458	183	801	939
5	80KQG-15-81-2.2X4	KQDQ 32-5-81	4	1660	1760	600	560	375	458	183	801	966
6	80KQG-15-88-2.2X4	KQDQ 32-5-88	4	1660	1760	600	560	375	458	183	801	993
7	80KQG-15-95-3X4	KQDQ 32-5-95	4	1660	1760	600	560	375	458	183	801	1055
8	80KQG-15-103-3X4	KQDQ 32-5-103	4	1660	1760	600	560	375	458	183	801	1082
9	80KQG-15-111-3X4	KQDQ 32-5-111	4	1660	1760	600	560	375	458	183	801	1109
10	80KQG-15-119-3X4	KQDQ 32-5-119	4	1660	1760	600	560	375	458	183	801	1136
11	80KQG-15-127-3X4	KQDQ 32-5-127	4	1660	1760	600	560	375	458	183	801	1163
12	80KQG-15-134-4X4	KQDQ 32-5-134	4	1660	1760	600	560	375	458	183	801	1220
13	80KQG-24-34-1.5X4	KQDQ 40-8-34	4	1660	1760	600	560	323	378	188	806	811
14	80KQG-24-46-2.2X4	KQDQ 40-8-46	4	1660	1760	600	560	323	378	188	806	841
15	80KQG-24-57-2.2X4	KQDQ 40-8-57	4	1660	1760	600	560	323	378	188	806	871
16	80KQG-24-69-3X4	KQDQ 40-8-69	4	1660	1760	600	560	323	378	188	806	936
17	80KQG-24-81-3X4	KQDQ 40-8-81	4	1660	1760	600	560	323	378	188	806	966
18	80KQG-24-93-4X4	KQDQ 40-8-93	4	1660	1760	600	560	323	378	188	806	1026
19	80KQG-24-105-4X4	KQDQ 40-8-105	4	1660	1760	600	560	323	378	188	806	1056
20	80KQG-24-118-5.5X4	KQDQ 40-8-118	4	1660	1760	600	560	323	378	188	806	1191
21	80KQG-24-130-5.5X4	KQDQ 40-8-130	4	1660	1760	600	560	323	378	188	806	1221
22	80KQG-30-32-1.5X4	KQDQ 40-10-32	4	1660	1760	600	560	323	378	188	806	811
23	80KQG-30-43-2.2X4	KQDQ 40-10-43	4	1660	1760	600	560	323	378	188	806	841
24	80KQG-30-54-2.2X4	KQDQ 40-10-54	4	1660	1760	600	560	323	378	188	806	871
25	80KQG-30-65-3X4	KQDQ 40-10-65	4	1660	1760	600	560	323	378	188	806	936
26	80KQG-30-76-4X4	KQDQ 40-10-76	4	1660	1760	600	560	323	378	188	806	996
27	80KQG-30-87-4X4	KQDQ 40-10-87	4	1660	1760	600	560	323	378	188	806	1026
28	80KQG-30-98-4X4	KQDQ 40-10-98	4	1660	1760	600	560	323	378	188	806	1056
29	80KQG-30-110-5.5X4	KQDQ 40-10-110	4	1660	1760	600	560	323	378	188	806	1191
30	80KQG-30-122-5.5X4	KQDQ 40-10-122	4	1660	1760	600	560	323	378	188	806	1221
31	80KQG-30-133-5.5X4	KQDQ 40-10-133	4	1660	1760	600	560	323	378	188	806	1251
32	150KQG-36-25-1.5X4	KQDQ 50-12-25	4	1660	1760	600	560	343	423	198	886	791
33	150KQG-36-39-2.2X4	KQDQ 50-12-39	4	1660	1760	600	560	343	423	198	886	821
34	150KQG-36-53-3X4	KQDQ 50-12-53	4	1660	1760	600	560	343	423	198	886	886
35	150KQG-36-67-4X4	KQDQ 50-12-67	4	1660	1760	600	560	343	423	198	886	946
36	150KQG-36-80-5.5X4	KQDQ 50-12-80	4	1660	1760	600	560	343	423	198	886	1081
37	150KQG-36-94-5.5X4	KQDQ 50-12-94	4	1660	1760	600	560	343	423	198	886	1111
38	150KQG-36-107-7.5X4	KQDQ 50-12-107	4	1660	1760	600	560	343	423	198	886	1141
39	150KQG-36-121-7.5X4	KQDQ 50-12-121	4	1660	1760	600	560	343	423	198	886	1171

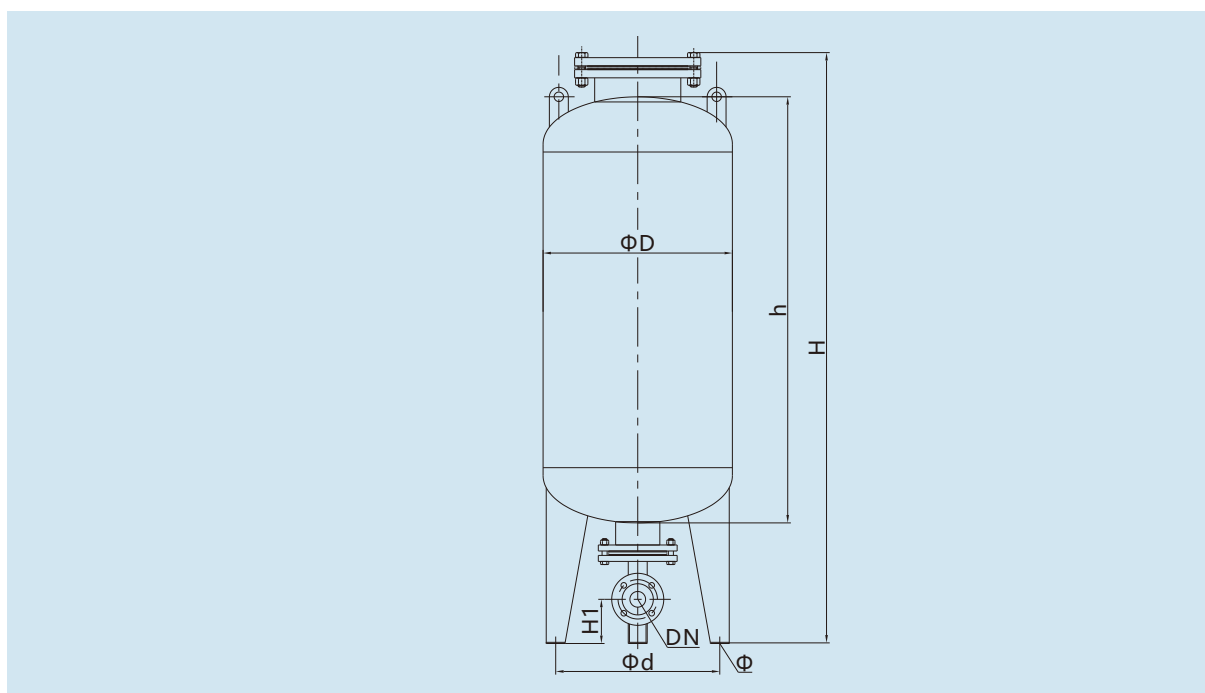
No.	Equipment Model	Vertical Multi-Stage Centrifugal Pumps		Outline and Installation Dimensions(mm)								
		Pump Model	Quantity of Units	L1	L2	W1	W2	W3	W4	H1	H2	H3
40	150KQG-36-136-7.5X4	KQDQ 50-12-136	4	1660	1760	600	560	343	423	198	886	1201
41	150KQG-45-29-2.2X4	KQDQ 50-15-29	4	1660	1760	600	560	343	423	198	886	821
42	150KQG-45-43-3X4	KQDQ 50-15-43	4	1660	1760	600	560	343	423	198	886	901
43	150KQG-45-58-4X4	KQDQ 50-15-58	4	1660	1760	600	560	343	423	198	886	976
44	150KQG-45-72-5.5X4	KQDQ 50-15-72	4	1660	1760	600	560	343	423	198	886	1126
45	150KQG-45-87-7.5X4	KQDQ 50-15-87	4	1660	1760	600	560	343	423	198	886	1171
46	150KQG-45-102-7.5X4	KQDQ 50-15-102	4	1660	1760	600	560	343	423	198	886	1216
47	150KQG-45-117-11X4	KQDQ 50-15-117	4	1660	1760	600	560	343	423	198	886	1397
48	150KQG-45-133-11X4	KQDQ 50-15-133	4	1660	1760	600	560	343	423	198	886	1442
49	150KQG-48-28-2.2X4	KQDQ 50-16-28	4	1660	1760	600	560	343	423	198	886	821
50	150KQG-48-42-3X4	KQDQ 50-16-42	4	1660	1760	600	560	343	423	198	886	901
51	150KQG-48-57-4X4	KQDQ 50-16-57	4	1660	1760	600	560	343	423	198	886	976
52	150KQG-48-71-5.5X4	KQDQ 50-16-71	4	1660	1760	600	560	343	423	198	886	1126
53	150KQG-48-86-7.5X4	KQDQ 50-16-86	4	1660	1760	600	560	343	423	198	886	1171
54	150KQG-48-100-7.5X4	KQDQ 50-16-100	4	1660	1760	600	560	343	423	198	886	1216
55	150KQG-48-115-11X4	KQDQ 50-16-115	4	1660	1760	600	560	343	423	198	886	1397
56	150KQG-48-130-11X4	KQDQ 50-16-130	4	1660	1760	600	560	343	423	198	886	1442
57	150KQG-60-28-3X4	KQDQ 50-20-28	4	1660	1760	600	560	343	423	198	886	856
58	150KQG-60-43-4X4	KQDQ 50-20-43	4	1660	1760	600	560	343	423	198	886	931
59	150KQG-60-58-5.5X4	KQDQ 50-20-58	4	1660	1760	600	560	343	423	198	886	1081
60	150KQG-60-74-7.5X4	KQDQ 50-20-74	4	1660	1760	600	560	343	423	198	886	1126
61	150KQG-60-90-11X4	KQDQ 50-20-90	4	1660	1760	600	560	343	423	198	886	1307
62	150KQG-60-105-11X4	KQDQ 50-20-105	4	1660	1760	600	560	343	423	198	886	1352
63	150KQG-60-120-11X4	KQDQ 50-20-120	4	1660	1760	600	560	343	423	198	886	1397
64	150KQG-60-135-15X4	KQDQ 50-20-135	4	1660	1760	600	560	343	423	198	886	1442
65	150KQG-96-14-2.2X4	KQDQ 65-32-14	4	1660	1760	600	560	367	450	213	925	822
66	150KQG-96-29-4X4	KQDQ 65-32-29	4	1660	1760	600	560	367	450	213	925	931
67	150KQG-96-44-7.5X4	KQDQ 65-32-44	4	1660	1760	600	560	367	450	213	925	1140
68	150KQG-96-59-11X4	KQDQ 65-32-59	4	1660	1760	600	560	367	450	213	925	1319
69	150KQG-96-74-11X4	KQDQ 65-32-74	4	1660	1760	600	560	367	450	213	925	1463
70	150KQG-96-90-15X4	KQDQ 65-32-90	4	1660	1760	600	560	367	450	213	925	1517
71	150KQG-96-106-15X4	KQDQ 65-32-106	4	1660	1760	600	560	367	450	213	925	1571
72	200KQG-135-26-5.5X4	KQDQ 80-45-26	4	1660	1760	600	560	395	508	248	1044	1156
73	200KQG-135-35-7.5X4	KQDQ 80-45-35	4	1660	1760	600	560	395	508	248	1044	1156
74	200KQG-135-44-11X4	KQDQ 80-45-44	4	1660	1760	600	560	395	508	248	1044	1441
75	200KQG-135-53-11X4	KQDQ 80-45-53	4	1660	1760	600	560	395	508	248	1044	1441
76	200KQG-135-62-15X4	KQDQ 80-45-62	4	1660	1760	600	560	395	508	248	1044	1521
77	200KQG-135-71-15X4	KQDQ 80-45-71	4	1660	1760	600	560	395	508	248	1044	1521
78	200KQG-135-79-15X4	KQDQ 80-45-79	4	1660	1760	600	560	395	508	248	1044	1601

Import Brand (ZILMET) Diaphragm Gas Pressure Tank



Specification	Total Volume L	Diameter D	Total Height H	Maximum Working Pressure bar	Maximum Working Temperature ℃	Outlet Specification G
G380X770	50	380	770	10	99	G 1
G380X860	60	380	860	10	99	G 1
G450X830	80	450	830	10	99	G 1
G450X910	100	450	910	10	99	G 1
G450X910	100	450	910	16	99	G 1
G450X910	100	450	910	25	99	G 1
G550X1235	200	550	1235	10	99	G 1 1/2
G550X1235	200	550	1235	16	99	G 1 1/2
G630X1365	300	630	1365	10	99	G 1 1/2
G630X1365	300	630	1365	16	99	G 1 1/2
G630X1365	300	630	1365	25	99	G 1 1/2
G750X1560	500	750	1560	10	99	G 1 1/2
G750X1560	500	750	1560	16	99	G 1 1/2
G750X1560	500	750	1560	25	99	G 1 1/2
G750X2075	750	750	2075	10	99	G 1 1/2
G750X2075	750	750	2075	16	99	G 1 1/2
G850X2100	1000	850	2100	10	99	G 1 1/2
G850X2100	1000	850	2100	16	99	G 1 1/2

Domestic Brand Diaphragm Gas Pressure Tank



Specification	Total Volume L	Diameter D	Total Height H	Outlet Diameter DN	Outlet Height H1	Center Circle Diameter of Foundation Bolt d	Foundation Bolt Hole Diameter Φ
SQL600	330	600	1760	50	140	500	3-φ 18
SQL800	800	800	2210	50	140	660	3-φ 21
SQL1000	1300	1000	2345	80	150	830	3-φ 24
SQL1200	2200	1200	2694	80	150	1000	3-φ 28
SQL1400	3100	1400	2880	100	175	1160	3-φ 28
SQL1600	4800	1600	3320	100	175	1320	3-φ 28
SQL1800	6200	1800	3374	100	175	1500	3-φ 30
SQL2000	7900	2000	3534	100	175	1650	3-φ 30

Notice: The pressure grade is divided into PN0.6MPa, PN1.0MPa, PN1.6MPa, PN2.0MPa, PN2.5MPa

Product Technical Specification Table

Model Specifications		All Series
Water supply capacity		5-270m ³ /h, determined by equipment model
Water supply pressure		20-160m H ₂ O, determined by the equipment model
Water pump actual pressure increase range		40%—100% Pump head (full frequency control)
Constant pressure accuracy		≤1m H ₂ O
Stabilization time		≤15S (full frequency control)
Stabilization tank volume		300L-2800L determined by specific model specifications
Operation method		Manual operation, automatic operation
Starting method		Soft start of variable frequency pump
Control mode		Equipment outlet constant pressure control or automatic variable pressure control (simulated end constant pressure control), can be set
Operation mode		QB operation mode is decided by the type of supporting control cabinet
Human-machine interface		Color touch screen (decided by the order contract)
Protection/Alarm		Short circuit, overload, phase loss protection, indicator light alarm. Inverter has better self-protection
Fault countermeasure		Mutual backup pumps; automatic downgrade operation.
Equipment material		Overflow part (pump, valve, tank, pipeline) is food grade 304 stainless steel, copper and rubber diaphragm material
Protection grade		Motor IP55
		Control cabinet IP41~54 (decided by order contract)
Working conditions	Installation Condition	Concrete base with sufficient load-bearing capacity
	Power supply	380V (+10%, -15%), 50HZ, should have a good grounding wire, grounding resistance less than 4 ohms
	Environmental	Indoor installation 0℃-40℃, no corrosion, flammable, explosive gas
	Altitude, vibration	Altitude below 1000m, below 5.9m/s (0.6g)

Precautions for Product Ordering

1. Product technical specifications: Special technical requirements beyond the sample must be reviewed by the technical department before placing orders. (Performance parameters, power supply, altitude, temperature and humidity, etc.)
2. Equipment configuration and functions: The sample standard equipment is equipped with pumps according to 1 for 1 use, 2 for 1 use, 3 for 1 use, and pump inlet and outlet valve diameters and pump outlets Similarly, the inlet and outlet pipe diameters of the water pump unit are considered based on the capacity less than 1.8L/s (excluding the standby pump capacity). For other aspects of equipment configuration, please refer to the relevant content of the sample.
3. Equipment use: The standard application of the product is the domestic water supply of various buildings. For other applications, the corresponding process requirements and the corresponding differences in the scope of supply must be specified.
4. Equipment structure and mode of supply: In order to facilitate the installation and layout of the pump room, all types and series of products can be designed and sized according to customer requirements. The customized procedure is: customer requirements (graphics, text) fax → design drawing → Customer Confirmation → Manufacture according to the drawing. The equipment can be supplied in loose parts and installed on site. The scope of supply needs to be determined separately. This form of supply does not require a factory simulation operation test and requires on-site commissioning test.
5. Equipment packaging: Unless otherwise specified, the pump set + control cabinet is packed in wooden boxes when the equipment leaves the factory.
6. Pipeline safety issues: The product can withstand the static pressure test of 1.5 times the rated working pressure. In the application, the system pipelines and water appliances should also be able to withstand the corresponding working pressure without damage. When the supporting head is high, to prevent overpressure For pipe bursts, a safety valve or automatic pressure relief valve should be installed in the pump room and a water diversion pipe should be installed to the collection well.
7. Sample differences: In the process of continuous improvement of the product, the installation size and some details of the equipment provided in the sample may be different from the actual product. If you need accurate installation size or other improvement information or have any questions about the sample, please contact the technology department of the fourth branch plant of Kaiquan pump industry.

Appendix

No.	Product Series		Delicate Type-H	Basic Type-M
			KQK3-H	KQK3-M
1	Configuration	Circuit Breaker	Schneider / Siemens	Schneider / Siemens
2		Intermediate Relay	Siemens	Siemens
3		Indicator Light	Siemens	Siemens
4		Inverter	Siemens(H1), ABB(H3)	Siemens(M1), ABB(M3)
5		PLC	Siemens	Siemens
6		HMI	10" Color Embedded Integrated Touch Screen	7" Color Embedded Integrated Touch Screen
7		Pressure Transmitter	Danfoss	Danfoss
8		Cabinet	KES Cabinet	General Cabinet
9	Function	BA Interface	—	—
10		Ethernet Interface	Optional	Standard
11		RS485 Interface	Optional (select 1 from 2 GPRS modules)	Optional
12		GPRS	Standard	Optional
13		Main Incoming Switch	Standard	—
14		Multi-function Instrument	Standard	—
15		Surge Protector	Standard	—
16		Phase Sequence Protector	No Separate Configuration (Inverter Integration)	
17		Monitoring Data	Inlet Power data, Equipment Operation Data, Pump Operation Data	Equipment Operation Data, Pump Operation Data
18		Temperature and Humidity Control	Standard	—

Leading the Rise of Chinese Pump Industry



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