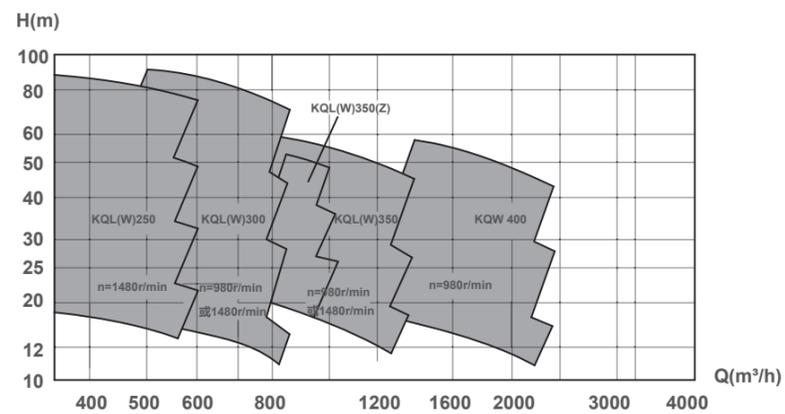
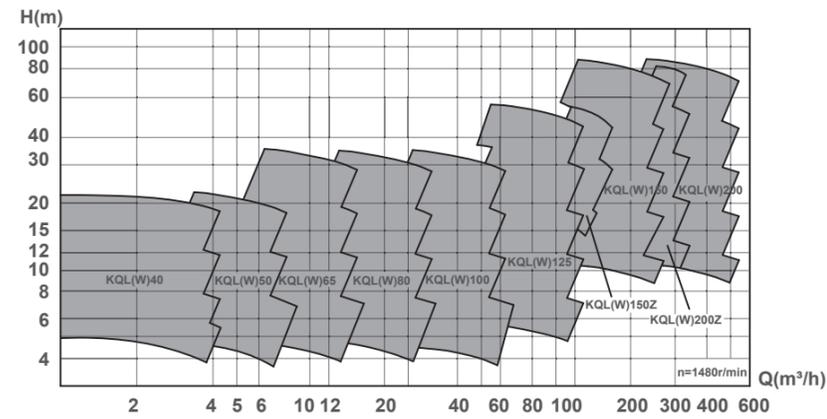
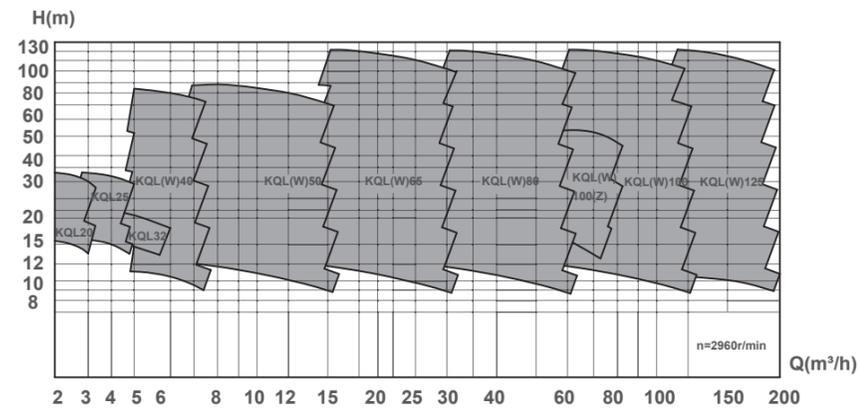


Selection Chart 50 Hz



Single Stage Centrifugal Pumps

Application

Pumping pure liquids that are not chemically or mechanically aggressive to the pump materials:
 water supply, cooling water, swimming pool water, fire-fighting systems, seawater, spray irrigation, fire-fighting water, irrigation, service water, cleaning agents, drinking water, brackish water, drainage, condensate, heating, air-conditioning, oils, hot water.

Welcome to KaiQuan's website to learn more.

www.kaiquangroup.com



Products Advantages

01 Using IE 3 Motors

Motors are following IE 3 standrad according to IEC 60034-30-1:2014.

02 Advanced High Efficiency Hydraulic Model

Compare to other global brand, KQ have similar efficiency and in some models which is exceed 3-4%.

KAIQUAN Pumps Efficiency Compared Sheet						
No.	KQ's Model	Global Brand's Model	Capacity (m ³ /h)	Head (m)	KQ's Eff.	Global Brand's Eff.
1	KQL100/110S - 5.5/2	100 - 200/2	85	16	79	74.7
2	KQL100/125S - 7.5/2	100 - 240/2	95	20	80	76
3	KQL150/235S - 11/4	125 - 190/4	180	16	81.8	80
4	KQL200/250S - 22/4(Z)	150 - 250/4	300	20	84	82
5	KQL200/285S - 30/4	200 - 290/4	340	24	83.4	78

03 High Configuration - Reliable Operation

Top Class Mechanical Seal , SKF Bearings, Low Noise and Long-life Design.

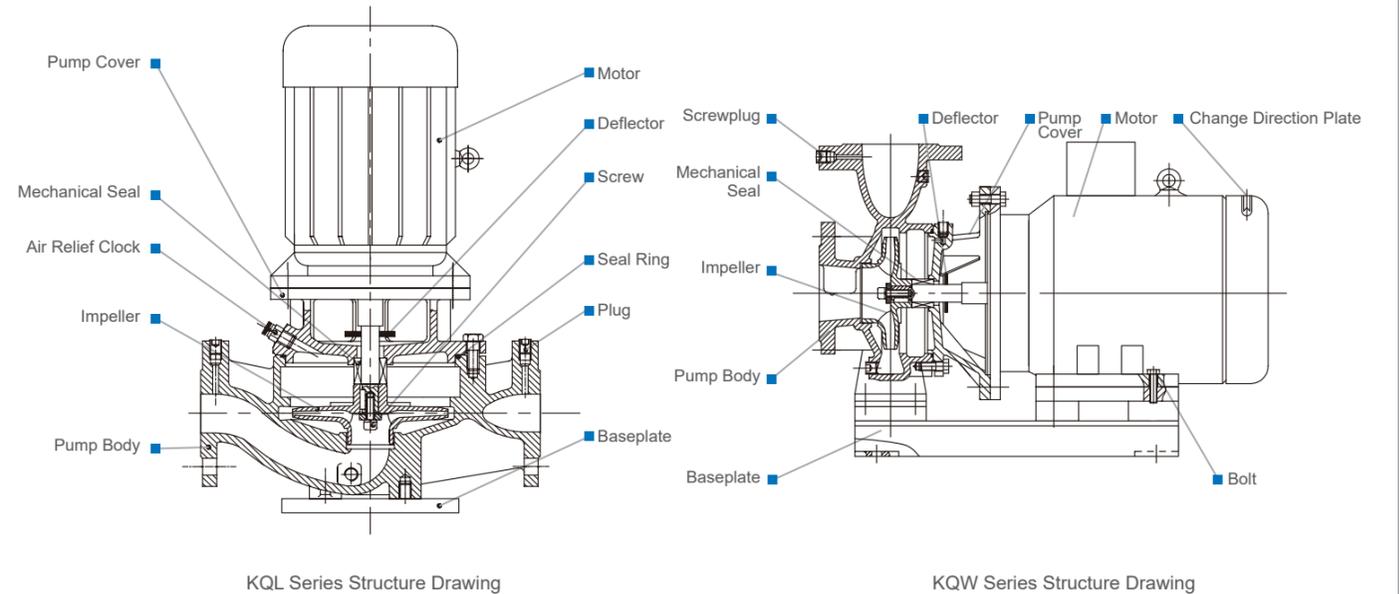


04 Long-life Maintenance-free Design

- Directly Connected Technology. Less Vibration, Low Noise.
- In-line Pump with Same Inlet and Outlet Dimensions. Flows More Smooth and Less Loss.
- Special Design Mechanical Seal for Against the Reversing Turbulence to Improve Operational Stability and Increase Equipment Life.

Maximum Working Pressure				
Type	Operation Pressure	Test Pressure	Pressure-containing Material	
Suction and discharge diameters are 125 mm(2 pole speed) and below 125 mm	1.6 Mpa	2.1 Mpa	Casting Iron	* Maximum Operation Pressure =Inlet Pressure + Valve Shutting Pressure (Q = 0) Inlet Pressure ≤ 0.4Mpa When Inlet Pressure > 0.4Mpa, or System Operation Pressure > 1.6 Mpa (DN= 125 mm [2 poles speed] and DN ≤ 125mm), 1.2 Mpa (DN= 125mm [4 poles speed] and DN between 150 mm to 200 mm),1.0 Mpa(DN ≥ 250mm) The issue must be raised when ordering, so that the spheroidal graphite iron or cast steel will be adopted in overflow part and the mechanical seal will be reselected.
Suction and discharge diameters are 125 mm(4 pole speed) and 150 - 200 mm	1.2 Mpa	1.6 Mpa	Casting Iron	
Suction and discharge diameters are greater than or equal to 250 mm	1 Mpa	1.3 Mpa	Casting Iron	
Suction and discharge diameters are 125 mm(2 pole speed) and below 125 mm	1.6 Mpa	2.1 Mpa		

Product Structure



Applications

Pumping pure liquids that are not chemically or mechanically aggressive to the pump materials: water supply, cooling water, swimming pool water, fire-fighting systems, seawater, spray irrigation, fire-fighting water, irrigation, service water, cleaning agents, drinking water, brackish water, drainage, condensate, heating, air-conditioning, oils, hot water.

Working Conditions

Speed: 2960 r/min, 1480 r/min or 980 r/min	Medium Temperature: -10°C - 80°C
Capacity Range: 1.8 - 2000 m ³ /h	Ambient Temperature: Up to +40°C
Head: Up to 127 m	Attitude < 1000 m;Relative Humidity ≤ 95%

Material Sheet

Pump Body / Pump Cover / Impeller	ASTM A48, JIS FC250, DIN GG-20
Shaft	ASTM 420, JIS SUS420J1, DIN X20Cr13
Mechanical Seal	Graphite/Antimony Composites, Silicon Carbide