

# Kingii (K) Industry Small Chiller

Special for small/medium industrial equipment

## Product Introduction

K series chiller is specially designed for small/medium size industrial equipment. The small size machines adopt front air come-in design, which is convenient for condenser cleaning. Medium size machines air discharge from top, good for heat dissipation. It is an ideal companion of small/medium industrial equipment refrigeration requirement.



## Functions and Features

- ⊙ Vertical structure, beautiful appearance, small size with lockable caster wheels;
- ⊙ Removable front panel, easy to clean condenser;
- ⊙ Branded stainless steel pump;
- ⊙ Level display and level detector, easy to observe and monitored the level of liquid, and timely fluid supplement;
- ⊙ PP cotton and resin ion filter can be selected to ensure that the water is clean;
- ⊙ Various inlet and outlet water connectors can be selected to connect with customer equipment;
- ⊙ Multiple types of remote control;
- ⊙ Multiple alarm protection functions: compressor delay protection, compressor over current protection, water flow alarm, high and low temperature alarm, etc.

## Typical Application

Kingii is mainly used for supporting laser, industrial furnace, injection molding machine, fermentation reaction tank, welding cutting machine, material testing platform, vacuum furnace, vacuum coating equipment, etc.

## Products Specifications

Model	Cooling Capacity W@25°C 50/60Hz	Temperature Range °C	Temperature Stability °C	Max Flow L/min	Max Pressure Bar	Reservoir L	Size of Connection	Overall Dimension W*D*H mm
sK1	1200/1450	5-35	±0.2	25	1.7	8	Rp 1/2	360x475x655-60
sK2	1900/2300	5-35	±0.2	25	1.7	12	Rp 1/2	430x540x720-60
sK3	2600/3200	5-35	±0.2	50	2.8	20	Rp 1/2	500x605x812-72
sK4	3600	5-35	±0.2	50	3.6	30	Rp 1/2	540x705x922-72
sK5	5600/6600	5-35	±0.2	80	3.6	50	Rp 1	540x880x972-92
sK6	8000	5-35	±0.2	80	3.6	60	Rp 1	620x980x1072-92
sK7.04	10K	5-35	±0.2	100	3.8	120	Rp 1	620x980x1072-92
sK7.05	15K	5-35	±0.2	100	3.8	120	Rp 1	620x1260x1162-92

Model	Cooling Capacity W@25°C 50/60Hz	Temperature Range °C	Temperature Stability °C	Max Flow L/min	Max Pressure Bar	Reservoir L	Size of Connection	Overall Dimension W*D*H mm
sK1β	900/1100	-20-35	±0.2	15	1.7	8	Rp 1/2	360x475x655-60
sK2β	1600/1900	-20-35	±0.2	15	1.7	12	Rp 1/2	430x540x720-60
sK3β	2200/2600	-20-35	±0.2	30	2.8	20	Rp 1/2	500x605x812-72
sK4β	3200	-20-35	±0.2	35	3.6	30	Rp 1/2	540x705x922-72
sK5β	5200/5800	-20-35	±0.2	60	3.6	50	Rp 1	540x880x972-92
sK6β	7200	-20-35	±0.2	60	3.6	60	Rp 1	620x980×1072-92
sK7β04	8K	-20-35	±0.2	60	3.8	120	Rp 1	620x980×1072-92
sK7β05	12K	-20-35	±0.2	60	3.8	120	Rp 1	620x1260×1162-92
rK1	1200/1450	5-35	±1	25	1.7	8	Rp 1/2	360x475x655-60
rK2	1900/2300	5-35	±1	25	1.7	12	Rp 1/2	430x540x720-60
rK3	2600/3200	5-35	±1	50	2.8	20	Rp 1/2	500x605x812-72
rK4	3600	5-35	±1	50	3.6	30	Rp 1/2	540x705x922-72
rK5	5600/6600	5-35	±1	80	3.6	50	Rp 1	540x880x972-92
rK6	8000	5-35	±1	80	3.6	60	Rp 1	620x980×1072-92
rK7.04	10K	5-35	±1	100	3.8	120	Rp 1	620x980×1072-92
rK7.05	15K	5-35	±1	100	3.8	120	Rp 1	620x1260×1162-92
sK5γ	3.5K	-40-35	±0.5	20	3.5	50	Rp 1	540x880x972-92
sK6γ	5.0/6.5K	-40-35	±0.5	25	3.5	60	Rp 1	620x980×1072-92
sK7γ05	6/7.2K	-40-35	±0.5	50	4	120	Rp 1	620x980×1072-92
sK7γ07	8K/10K	-40-35	±0.5	50	4	120	Rp 1	620x1260×1162-92

※Optional for different flow and pressure;

※Cooling capacity maybe different upon global power supply;

※RS232 & RS485 Communication available.

## tK/tA Dual Temperature Chiller

— For laser and machine tool



### Product Introduction

tK and tA series chiller are specially designed for laser machine cooling, with double pumps and double temperature control systems. Main loop for laser efficient cooling, second loop can be set at a higher temperature for optical head cooling so that it will not remain condense water on optical head. KD series equipped with function of room temperature adjustment, to prevent condensation.

### Functions and Features

- ◎ Famous brand compressor and other key components, reliable performance;
- ◎ Branded stainless steel pump;
- ◎ Stainless steel reservoir and pipe fittings, stainless steel ,PPR or other corrosion resistant materials pipeline, prevent corrosion;
- ◎ Equipped with special water filter, water pressure gauge and water level indicator, which can protect water quality, observe water pressure and level;
- ◎ Variety of alarm functions: such as flow alarm, liquid level alarm, high and low temperature alarm; phase sequence protection, compressor high temperature protection, compressor delay protection, compressor over current protection.



## Typical Application

KD series chiller mainly used in laser industry, such as laser cutting, laser welding, laser cladding equipment.

## Products Specifications

Model	Cooling Capacity W@25°C °C 50/60Hz	Temperature Range °C	Temperature Stability °C	Main pump Max Flow L/min	Main pump Max Pressure Bar	Secondary pump Max Flow L/min	Secondary pump Max Pressure Bar	Reservoir L	Size of Connection	Overall Dimension W*D*H mm
tK2	1600/2100	5-35	±0.2	5	4.5	5	4.5	12	Rp1/2+Rp1/2	430x540x720-60
tK3	2400/3000	5-35	±0.2	20	3.5	20	3.5	20	Rp1/2+Rp1/2	500x605x812-72
tK4	3200	5-35	±0.2	50	4	50	4	30	Rp1/2+Rp1/2	540x705x922-72
tK5	5200/6200	5-35	±0.2	60	3.6	50	4.6	50	Rp1+Rp 1/2	540x880x972-92
tK6	7200	5-35	±0.2	80	3.6	60	4.6	60	Rp1+Rp 1/2	620x980x1072-92
tK7.04	10K	5-35	±0.2	100	3.8	60	4.6	120	Rp1+Rp 1/2	620x980x1072-92
tK7.05	15K	5-35	±0.2	100	3.8	60	4.6	120	Rp1+Rp 1/2	620x1260x1162-92

Model	Cooling Capacity W@25°C °C 50/60Hz	Temperature Range °C	Temperature Stability °C	Main pump Max Flow L/min	Main pump Max Pressure Bar	Secondary pump Max Flow L/min	Secondary pump Max Pressure Bar	Reservoir L	Size of Connection	Overall Dimension W*D*H mm
tA1.06	5-35	18/21	±0.2	60	5.5	40	5.5	160	Rp 1+Rp1/2	680x1200x1744-130
tA1.08	5-35	22/25	±0.2	60	5.5	40	5.5	160	Rp 1+Rp1/2	680x1200x1744-130
tA1.10	5-35	30/35	±0.2	60	5.5	40	5.5	160	Rp 1+Rp1/2	680x1200x1744-130
tA2.13	5-35	35	±0.2	240	5.8	50	5.5	220	Rp 1-1/ 2+Rp1/2	780x1550x1780-130
tA2.16	5-35	45	±0.2	240	5.8	50	5.5	220	Rp 1-1/ 2+Rp1/2	780x1550x1780-130
tA3.20	5-35	60	±1	300	5.1	80	5.8	360	Rp 1-1/ 2+Rp1/2	980x1960x2300
tA3.24	5-35	70	±1	300	5.1	80	5.8	360	Rp 1-1/ 2+Rp1/2	980x1960x2300
tA3.32	5-35	90	±1	400	5.1	120	5.8	360	Rp 2+Rp1	980x1960x2300
tA4.40	5-35	110	±1	400	5.1	120	5.8	580	Rp 2+Rp1	980x2955x2300
tA4.52	5-35	140	±1	400	5.1	120	5.8	580	Rp 2+Rp1	980x2955x2300
tA5.40	5-35	110	±1	550	5.4	150	6.8	680	DN65 Flange +DN40 Flange	1900x3000x2370
tA5.48	5-35	130	±1	550	5.4	150	6.8	680	DN65 Flange +DN40 Flange	1900x3000x2370
tA5.64	5-35	180	±1	550	5.4	150	6.8	680	DN65 Flange +DN40 Flange	1900x3000x2370
tA6.72	5-35	210	±1	600	6.5	150	6.8	680	DN65 Flange +DN40 Flange	1900x4180x2370
tA6.96	5-35	270	±1	950	4.8	150	6.8	680	DN65 Flange +DN40 Flange	1900x4180x2370