

Royalii (RG) Split Type Chiller

— Environmentally friendly Air-cooled device for industry

Product Introduction

Royalii (RG) air-cooled split type chiller is composed of indoor unit and outdoor unit.



The indoor unit consists of water pump, water reservoir and evaporator while the outdoor unit consists of compressor, fan and condenser, which can discharge all heat and noise outside. Split type design improves comfort and reduces noise, at the same time enhances the cooling capacity. Their large refrigeration capacity with steady operation is also used as a central supply of cooling water for labs or complete buildings.

Typical Application

Royalii (RG) chiller is environmentally friendly and suitable for advanced laboratory equipment, serving as a great partner for industrial equipment. RG chillers fit perfectly with X-ray Diffractometer (XRD), X-ray Fluorescence Spectrometer (XRF), Large Field Emission Electron Microscope, Plasma Etcher, Vacuum Plating Equipment, Ion Plating Equipment, Vacuum Furnace, Industrial Furnace and other industrial equipment with large calorific capacity. Additionally, RG series can also be used as central chillers to simultaneously meet the requirements of multiple instruments.

Functions and Features

- Industrial-designed outdoor unit, high efficiency, avoid plastic parts, durable and long life;
- Equipped with compressor heating at low-temperature, fan speed regulation function, suitable for wide range of outdoor temperature;
- Stainless steel water tank with large opening in favour of filling and cleaning process;
- Adopted with high pressure pump;
- Easy to monitor refrigeration system high and low pressure;
- Comprehensive design with over-heating, over-flow protection, high and low pressure protection and phase sequence / phase loss protection for compressor.

Products Specifications

Model	Cooling Capacity KW@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
RG0206A	5.6/6.6	5-35	±0.1	50	3.6	60	Rp 1	960×410×833
RG0308A	8.0/10.0	5-35	±0.1	50	3.6	80	Rp 1	960×410×833
RG0515A	15/17	5-35	±0.1	100	3.8	150	Rp 1	960×410×1230
RG0620A	18/21	5-35	±0.1	100	3.8	200	Rp 1	700×800×1180
RG0820A	22/24	5-35	±0.1	100	3.8	200	Rp 1	700×800×1180
RG1026A	30/35	5-35	±0.1	100	3.8	260	Rp 1	800×900×1298
RG1236A	35	5-35	±0.1	240	3.5	360	Rp 1-1/2	800×900×1298
RG1636A	45	5-35	±0.1	240	3.5	360	Rp 1-1/2	900×1000×1525

Model	Cooling Capacity KW@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
RG0206	5.2	5-35	±2	50	3.6	60	Rp 1	850×290×580
RG0308	6.6	5-35	±2	50	3.6	80	Rp 1	865×310×710
RG0515	12	5-35	±2	100	3.8	150	Rp 1	910×310×1300
RG0620	18/21	5-35	±2	100	3.8	200	Rp 1	700×800×1180
RG0820	22/24	5-35	±2	100	3.8	200	Rp 1	700×800×1180
RG1026	30/35	5-35	±2	100	3.8	260	Rp 1	800×900×1298
RG1236	35	5-35	±2	240	3.5	360	Rp 1-1/2	800×900×1298
RG1636	45	5-35	±2	240	3.5	360	Rp 1-1/2	900×1000×1525
RG2050	60	5-35	±2	400	3.8	500	Rp 2	980×1960×1460
RG2450	70	5-35	±2	400	3.8	500	Rp 2	980×1960×1460
RG3250	90	5-35	±2	400	3.8	500	Rp 2	980×1960×1460
RG4080	110	5-35	±2	400	5.1	800	Rp 2	980×2950×1460
RG5080	140	5-35	±2	400	5.1	800	Rp 2	980×2950×1460
RG501T	140	5-35	±2	400	5.1	1000	Rp 2	980×2950×1460
REG40T	120	5-35	±2	550	5.4	1000	DN65 Flange	1900×2350×2218
REG48T	140	5-35	±2	550	5.4	1000	DN65 Flange	1900×2350×2218
REG64T	180	5-35	±2	550	5.4	1000	DN65 Flange	1900×2350×2218
REG72T	210	5-35	±2	550	5.4	1000	DN65 Flange	1900×2350×2218
REG96T	270	5-35	±2	550	5.4	1000	DN65 Flange	1900×2350×2218

※ Optional for different flow and pressure;

※ Appropriate frequency and voltage can be chosen;

※ Cooling capacity maybe different upon global power supply;

※ RS232 & RS485 Communication available.