

 **CO₂ Reducing Cooler**

Green

Energy-saving

Natural

Evaporative Air Cooler

RKF series
505·405



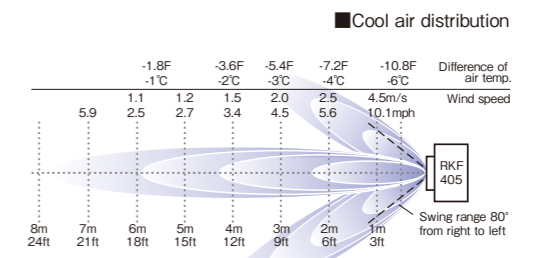
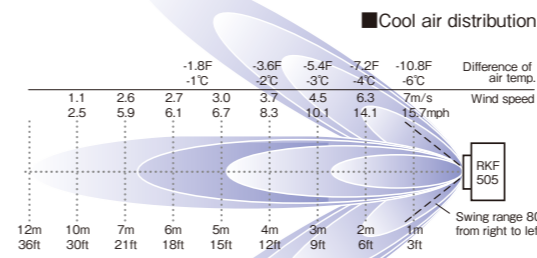
Shizuoka Seiki



RKF 505



RKF 405



Specifications

Model	RKF505		RKF405	
	Power source	120V 60Hz	230V 50Hz	120V 60Hz
Power consumption	520W	360W	290W	230W
Cooling capacity*1	8.5kW	7.5kW	4.4kW	3.9kW
Air flow (MAX)	150 m ³ /min 5,300 CFM	130 m ³ /min 4,600 CFM	115 m ³ /min 4,100 CFM	105 m ³ /min 3,700 CFM
Amt. of water evaporation*1	12.2 liters 3.2 gallons	10.2 liters 2.7 gallons	5.6 liters 1.5 gallons	5.0 liters 1.4 gallons
Tank capacity	50 liters 13.2 gallons			
Cont. operating time*1	4.0 hours	4.8 hours	8.9 hours	10.0 hours
Safety devices	Fuse, Water shortage detection, Motor overheat protection			
Operation noise	68 dB(A)	65 dB(A)	63 dB(A)	59 dB(A)
Dimensions (H×W×D)	1,565×680×655 mm	61.6×26.8×25.8 inch	1,368×562×563 mm	53.9×22.2×22.2 inch
Dry weight	78 kg 172.0 lbs		47 kg 103.7 lbs	

*1 The above specifications are derived when the temperature of air at inlet is 30°C(86F) and its relative humidity is 50%.



Caution

• After every operation, stop the cooler by Auto-stop operation in order to dry the cooling element. The drying operation lasts for about 20 - 40 minutes. Thereafter, operation stops automatically.
• Operating this cooler in closed area may result in the increase of humidity. This may then cause not only decreased cooling effect but rust with other equipments or materials.

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Evaporative Air Cooler

Green Energy-saving Natural

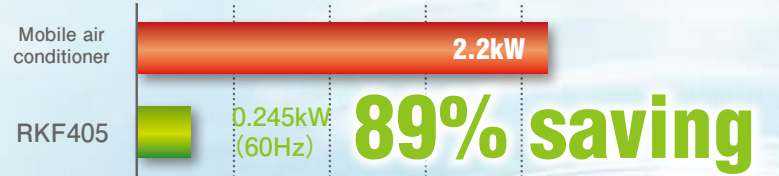
Cool air by water evaporation



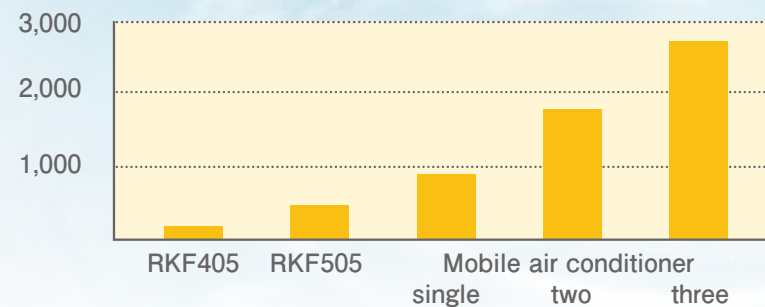
RKF Series has adopted the natural cooling phenomenon from a waterfall and applied it to its cooler which creates a comfortable working environment. Cooling air by vaporizing water, this vaporization cooling system emits no heat exhaust, is earth friendly and health-oriented.

Economic efficiency

Comparison of power consumption



Power consumption (W)

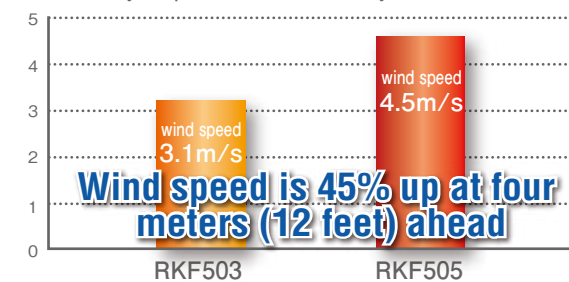


NEW
RKF 505



Increased feeling of coolness by increased wind speed

Sensible body temperature is decreased by the increase in wind speed.

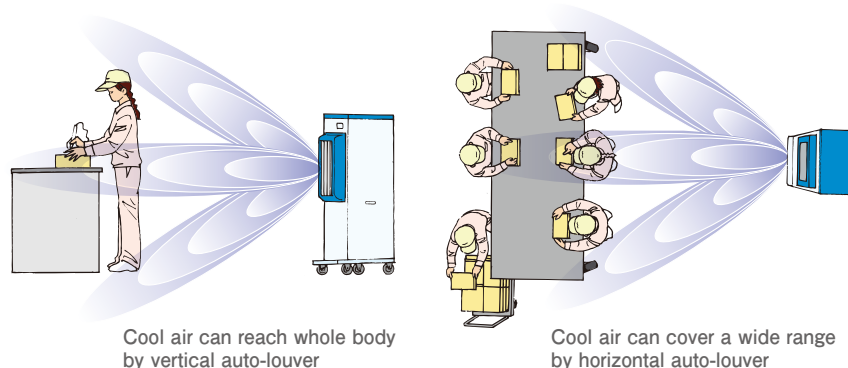


New useful function for RKF505



Water can easily be poured into the tank by a bucket.

Horizontal and vertical auto-louvers



Enhanced safety

This wire mesh prevents accidental insertion of fingers or objects.



Easy water supply

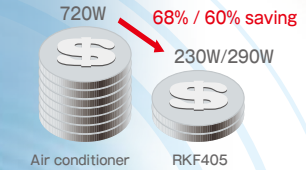
Water tank is easily filled with water via a hose. Auto water supply can be chosen as well.

Energy saving

Power consumption

- RKF505..... 360W(230V, 50Hz)
520W(120V, 60Hz)
- RKF405..... 230W (230V, 50Hz)
290W (120V, 60Hz)

Comparison of power consumption between RKF405 & typical air conditioner

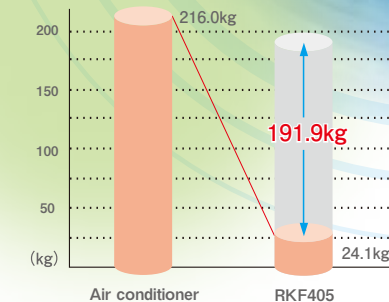


Contributes to the reduction of CO₂

Global greenhouse gas (GHG) emission per month

- RKF505 49.2kg
- RKF405 24.1kg

Comparison of GHG emission per month between RKF405 and air conditioner



No heat from exhaust



RKF never emits exhaust heat unlike an air conditioner because RKF is not equipped with a compressor.

Easy operation and maintenance

Easy transport

Equipped with casters for easy moving



Easy cleaning for water tank

Water tank is easily taken out by releasing joint connectors. Water tank is easy to clean due to its large hole.



Adjustable speeds

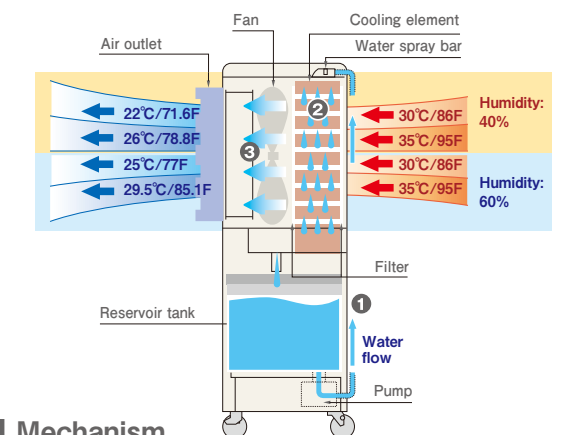
Easy touch button selector for high, medium or low air volumes



Drying mode for cooling element

After every operation, cooling element is dried using the Auto-stop operation. This helps to keep the cooler clean

RKF provide superior performance more when the outside temperature is high



Mechanism

- Water in the tank is pumped up to water spray bar and then sprayed on cooling element.
- Evaporation occurs in the cooling element which causes actual temperature of the air to decrease.
- Large fan distributes the cooled air farther away.