

# Evaporative Air Cooler

# RKF

## series

## 506-A·406-E

# Deliver gentle coolness

## Contributing to energy saving as well as measures against heat stress and stroke.

Eco-friendly cooler closest to nature using water vaporization.

Fully redesigned models will deliver natural and comfortable cool wind wider and farther.



CE RKF406-E

RKF506-A C US

Made in Japan

Cools areas wider and farther out

No heat exhaust and provide efficient cool air

It can be used for a long time with easy maintenance

Electricity cost is only 1/7 of Spot-air Cooler

## Shizuoka Seiki

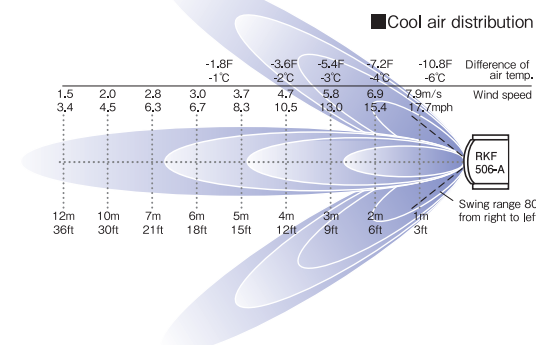
<https://www.shizuoka-seiki.co.jp/english/>

## RKF series Specification

### RKF 506-A

Overwhelming feeling of coolness, large amount of air

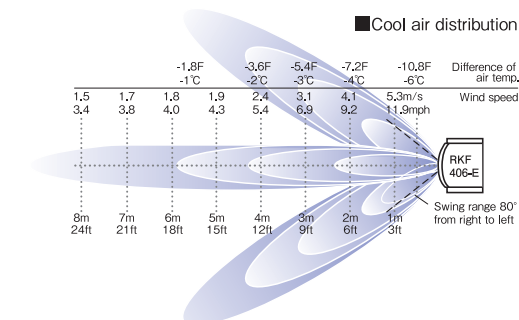
For 4-6 people



### RKF 406-E

Popular standard class

For 2-4 people



The cold wind distribution map is measured under conditions without wind and trouble.  
Power cord length 3 m (all formats)

Model	RKF 506-A		RKF 406-E	
	50Hz	60Hz	50Hz	60Hz
Power source	110-120V		220-230V	
Power consumption(W)	335	510	175	245
Cooling capacity *1(kW)	7.2	8.6	3.5	4.0
Air flow(Max) *2	130m <sup>3</sup> /min., 4,600CFM	150m <sup>3</sup> /min., 5,300CFM	105m <sup>3</sup> /min., 3,700CFM	116m <sup>3</sup> /min., 4,100CFM
Amount of water evaporation *1	10.2 L/hr, 2.7gallons/hr	12.2 L/hr, 3.2 gallons/hr	5 L/hr, 1.4gallons/hr	5.6 L/hr, 1.5 gallons/hr
Tank capacity	50 liters, 13.2gallons			
Continuous operating time *1(Hrs.)	4.8	4.0	10.0	8.9
Water supply	Water tank with automatic shutoff			
Timer operation	1・4・8 hours			
Safety devices	Fuse, Water shortage detection, Motor overheat protection			
Operation noise(dB(A))	65	68	59	63
Dimensions(HxWxD)	1,565x673x658 mm, 61.6x26.5x25.9 inch		1,367x550x563 mm, 53.8x21.7x22.2 inch	
Dry weight	74kg, 163 lbs		51kg, 112.3 lbs	

## Evaporative Air Cooler Periodic replacement parts

Parts Name	Parts Number	Model	Role
RKF406-E Cooling element	50812-201007	RKF406-E	Evaporate water and create cool wind ▲Cooling element
RKF506-A Cooling element	50813-201018	RKF506-A	
Air Filter RKF406-E	50816-201018	RKF406-E	Take the dirt of the intake air ▲Air Filter
Air Filter RKF506-A	50813-201019	RKF506-A	
Water Filter	50805-201005	RKF406-E RKF506-A	Take the dirt of the circulating water ▲Water Filter



Caution

\*1 The above specification is for the inlet air condition at 30℃(86°F) / 50% relative humidity. Air flow measurement by JIS C 9601 Fan air volume calculation method.  
 ○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. ○When used in a narrow closed space, the humidity rises and the cooling performance can not be demonstrated.  
 ○Operating ambient temperature is 5℃(41°F) ~ 45℃(113°F).

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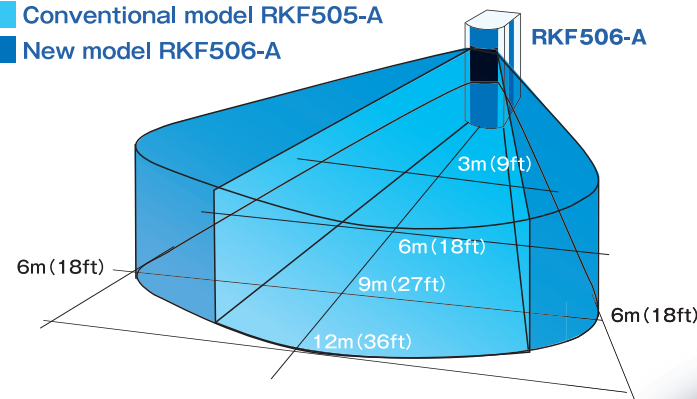


# Evaporative Air Cooler RKF 506-A·406-E

Minus 5°C (9°F) cooler than ambient temperature  
**150% More of Effective Cooling!**  
(Compared to previous model)

**1 150% More of effective cooling!**  
Wider cooling area with automatic swing louver.  
(Compared to previous model)

Conventional model RKF505-A  
New model RKF506-A



Cool air area with wind speed 1.1m/s or more

**RKF 506-A** In the area of 6m (18ft) left and right 9m (27ft) ahead  
**RKF 406-E** In the area of 3m (9ft) left and right 6m (18ft) ahead

Wind speed 3.1m/s ahead 3m (RKF 406)  
Up and down swing louver deliver more cooling effect.



## Air volume to choose

Depending on your preference you can choose high, middle or low volume. Convenient one touch switch.



※ The picture is RKF 506-A

※ The picture is RKF 406-E

**2 Supplying water becomes much easier!**  
There are three ways to supply water.

**Simply pull out water tank lid and use it as water supply tray.**

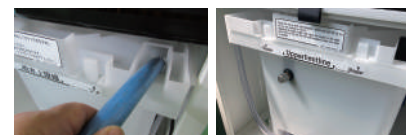
(1) Slide out the lid of water tank and use it as a water supply tray.



The edge of water supply tray can be weight support for supply water tank.

**Connecting hose to water tank.**

(2) Place water hose into hose catcher plug hole.  
(3) Screw in hose connector for automatic shut-off water supply connection.



**3 Simple and Easy Maintenance.**

**Water tank can be cleaned with no effort.**

The water inside the tank surely becomes dirty. Cleaning of the tank is necessary.



Detach water tank by disconnecting quick connect.



Pull out water tank.



Wipe off and clean water tank through wide opening of water tank.

**Easy to replace cooling element.**

The cooling element replacement is necessary to maintain cooling performance and cleanliness on a regular basis.

**To customers who are using**

In order to use this product long and cleanly, Manufacturer suggests changing cooling element every 1~2 years.

## Safety and Easy control

Cool air outlet is covered with mesh guard to prevent possible injury.



Easy handling: Wheels make moving cooler just as easy.

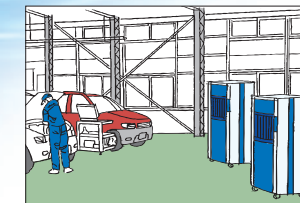
**Built-in off timer sets as default.**



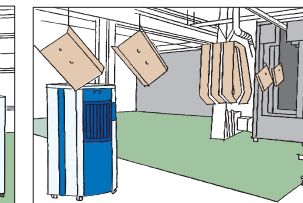
OFF Timer Automatically turns off from 1, 4, and 8 hours. Saving More Energy, and cutting cost.

**Great success in various markets according to size and application.**

It is efficient for countermeasures against heat exhaustion and cooling parts.



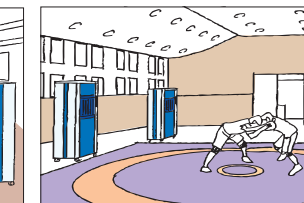
Measures against heat of various factories such as automobile maintenance.



Cooling painted parts and various parts.



Measures against heat exhaustion such as at driving ranges.



Measures against heat exhaustion during sports activities.

## Comparison of power consumption

**When changing from spot air conditioner 2 ports type to RKF 406-E**

2 ports type  
Spot Cooler for two  
(For two)

1.72kW

**85%**

RKF406-E  
(For two to four)

**0.245kW (60Hz)**

**85% of Reduced Energy and Cost!**



**CO2 reduction**

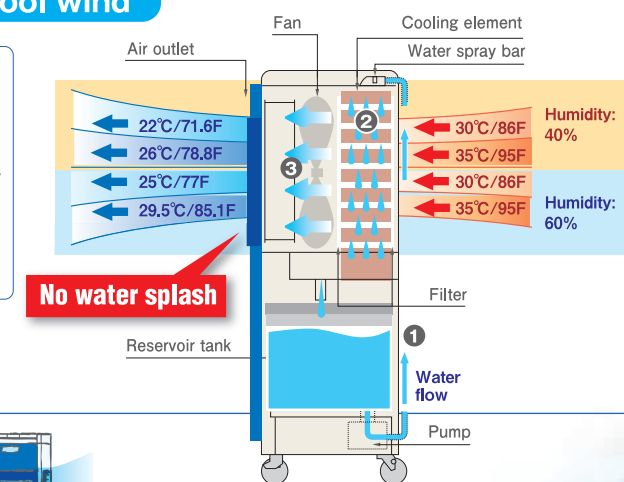


**Economically**

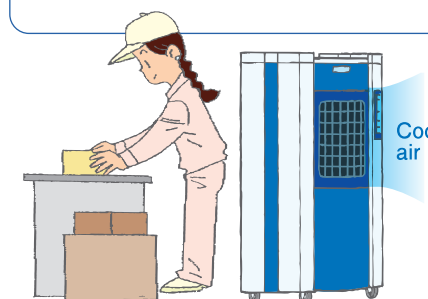
Contributing to CO2 reduction from low power consumption  
You can save a lot on electricity bills.

## Structure of the cool wind

- Water in tank is pumped up and distributed evenly onto the 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.



**No water splash**



**No heat exhaust**

RKF will not emit hot exhaust as spot coolers do.

**Eco-friendly Evaporative Air cooler greatly lowers heat stress.**

RKF cooler delivers 5°C(9°F) cooler air than that of ambient temperature.

Fan blades are specially designed to deliver cooler air farther away.

Evaporative cooler utilizes evaporation of water to deliver cool air and uses very minimal electricity with much reduction of CO2.  
RKF is a green cooler and environmentally friendly product.

