

Low voltage and high frequency ionizing air blower KF-40AR(Double-fans)



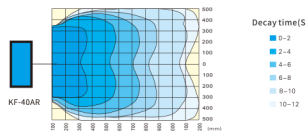
Technical Parameters

Category	Parameters	Category	Parameters
Model	KF-40AR	Air volume	2.56-4.07m³/min
Input voltage	AC220V/50Hz or AC110V/60Hz	Ozone concentration	0.03ppm(distance 150mm)
Ion balance	Automatic ion balance system 0±15V	Working temperature	0-40°C
Applied voltage	High frequency AC type/±2200V	Working humidity	30-70%RH(No condensation or water droplets)

Test conditions working voltage:DC24V testing voltage:±1000V-±100V Temperature:23°C±2°C

Distance	Decay time (+/-)	Ion balance (+/-)
300mm	1.0s/-1.5s	0±10V
600mm	2.0s/-3.0s	0±15V
900mm	3.5s/-4.5s	0±20V

Remark: 1. Testing method: Using charged plate monitor to test.
2. Decay time means with the maximum air volume from ±1000V to ±100V.
3. Test in the central area of the front air window.

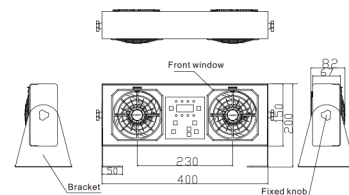


Features

- 01 Automatic cleaning function for discharge needles to reduce daily manual cleaning and maintenance.
- 02 Automatic ion balance system, and the ion balance can be reached within 0±5V.
- 03 Reverse fan design to avoid the recontamination after cleaning.
- 04 According to the workshop environment level, there is setting timer from 0-999 hours of automatic cleaning, as well as the LED display of setting time.
- 05 More optional ion fans of different lengths depending on the workbench and product size.
- 06 Lock function of the whole machine (refer to the button function description).

Ionizing air blower KF-40AR

Dimension/400×82×150mm(without stand) Weight/3.2kg (including stand)



- 01 **Front window(KF-21AW-BH)**
The front window can be flexibly disassembled, then automatically power off. Built-in automatic cleaning discharge needle structure, maintenance-free. The brush made of special materials make cleaning more thorough.
Accessory, can be purchased separately.
- 02 **Discharge needle(KF-21AW-Z3)**
Discharge needle parts can be disassembled for replacement and maintenance. Tungsten alloy discharge needle with 99.99% tungsten content. Each needle produces both positive and negative ions, enabling an electronic balance system.
Accessory, can be purchased separately.
- 03 **Rear window**
Metal window mesh (120x120standard accessory for fan)
Filter window
Accessory, can be purchased separately.
- 04 **Housing**
Powder coating process, with standard white powder.
- 05 **Mounting bracket**
- 06 **Operation panel and function setting buttons**
Power switch
1. Press the power switch after power on.
2. Restart after power off, no need to reset button.
fan normal operating condition
fan abnormal operating condition
HV normal working condition
HV abnormal working condition
Air volume and cleaning settings switch
Manual cleaning button
Press the button when immediate cleaning is needed. After fan reverses, cleaning ends.
HV abnormal working condition
- 07 **Power supply**
Input power supply AC220V/50Hz or AC 110V/60Hz
- 08 **Air volume increment button with 7 levels.** Cleaning time setting: 0-999 hours
09 **Air volume decrement button with 7 levels.** Cleaning time setting: 0-999 hours
Press '+' and '-' for more than 5 seconds, the whole machine is automatically locked. Then press them for another 5 seconds at the same time, the whole machine is automatically released.
Adjustable fan air speed with seven levels - F-01-F-07
Adjustable cleaning time setting from 0 hour to 999 hours: H000-H999
Lock function of the whole machine
Unlock function of the whole machine
Cleaning of discharge needles

Low voltage and high frequency ionizing air blower KF-60AR(overhead type)



Technical Parameters

Category	Parameters	Category	Parameters
Input voltage	AC220V/50Hz or AC110V/60Hz	Air volume	2.56-4.07m ³ /min
Ion balance	Ion balance system 0±10V	Ozone concentration	0.03ppm(distance 150mm)
Decay time	1.0s/-1.5s(300mm)	Working temperature	0-40°C
Applied voltage	High frequency AC type/±2200V	Working humidity	30-70%RH (No condensation or water droplets)

Test conditions working voltage:DC24V testing voltage: ±1000V-±100V Temperature: 23°C±2°C

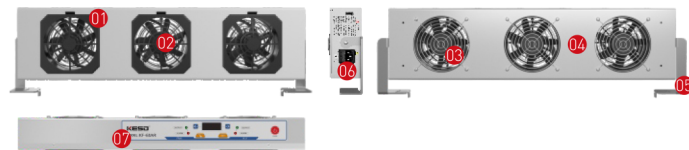
Distance	Decay time (+/-)	Ion balance (+/-)	Remark: 1.Testing method: Using charged plate monitor to test. 2.Decay time means with the maximum air volume from ±1000V to ±100V. 3.Test in the central area of the front air window.
300mm	1.0s/-1.5s	0±10V	
600mm	2.0s/-3.0s	0±15V	
900mm	3.5s/-4.5s	0±20V	

Features

- 01 Automatic cleaning function for discharge needles to reduce daily manual cleaning and maintenance.
- 02 Automatic ion balance system, and the ion balance can be reached within 0±10V.
- 03 Reverse fan design to avoid the recontamination after cleaning.
- 04 According to the workshop environment level, there is setting timer from 0-999 hours of automatic cleaning, as well as the LED display of setting time.
- 05 More optional ion fans of different lengths depending on the workbench and product size.
- 06 Lock function of the whole machine (refer to the button function description).

Ionizing air blower KF-60AR

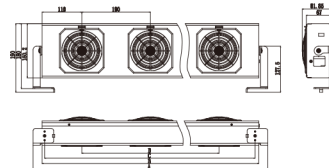
Dimension/600×82×150mm(without stand) Weight/4.3kg (including stand)



- 01 Front window(KF-21AW-BH)
- 02 Discharge needle(KF-21AW-Z3)
- 03 Rear window
Metal window mesh (120x120standard accessory for fan)
Filter window
Accessory, can be purchased separately.
- 04 Housing
Powder coating process, with standard white powder.
- 05 Mounting bracket
- 06 Power supply
Input power supply AC220V/ 50Hz or AC 110V/ 60Hz
- 07 Operation panel and function setting buttons
Power switch
1. Press the power switch after power on.
2. Restart after power off, no need to reset button.
 - fan normal operating condition
 - fan abnormal operating condition
 - HV normal working condition
 - HV abnormal working condition
Air volume and cleaning settings switch
Manual cleaning button
Press the button when immediate cleaning is needed. After fan reverses, cleaning ends.

- Press '+' and '-' for more than 5 seconds, the whole machine is automatically locked.
Then press them for another 5 seconds at the same time, the whole machine is automatically released.
- Air volume increment button with 7 levels.
Cleaning time setting: 0-999 hours
- Air volume decrement button with 7 levels.
Cleaning time setting: 0-999 hours
- Adjustable fan air speed with seven levels- F-01-F-07
- Adjustable cleaning time setting from 0 hour to 999 hours- H000-H999
- Lock function of the whole machine
- Unlock function of the whole machine
- Cleaning of discharge needles

Overhead series ionizing air blower Parameters for reference KF-60AR



Model	Total length A (including bracket)	Length of device B	Mounting distance C	Fan spacing D	Quantity of fans	Weight
KF-60AR	650mm	600mm	583mm	380mm	3	4.3kg
KF-80AR	850mm	800mm	783mm	570mm	4	6.0kg
KF-100AR	1050mm	1000mm	983mm	760mm	5	6.4kg
KF-120AR	1250mm	1200mm	1183mm	950mm	6	7.2kg
KF-150AR	1450mm	1400mm	1383mm	1140mm	7	8.2kg