

Adopting innovative mounting clamp, easily snap-in

### Features:

#### Easy to fit and maintain

- Innovative mounting clamps enables flexible snap-in the filter fan either from inside or outside of the enclosure
- Easily connecting with power supply via a plug
- Easy maintain, safe and quick replacement of filter pad

#### Large air throughput range and high efficiency

- Air throughput range: 500-1000m<sup>3</sup>/h

#### High protection level

- An exquisite labyrinth construction and super quality polyurethane foam seal ensures the ingress protection rate up to IP55
- International certification and approval

color: RAL 7035

Protection class, conform to IEC60529 standard:

without filter mat

with filter mat

Note: Use of a temperature controller or temperature display device is suggested for optimal performance.

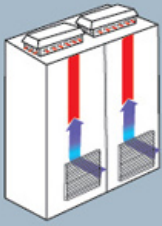
Supply lists :

A complete set of assemblies for installation directly on cabinet, including filter mat

Air throughput, free air flow : 500-942 m<sup>3</sup>/h

Model No.	KTF3139.100	KTF3139.110	KTF3140.100	KTF3140.110	KTF3140.140
Rated voltage (V,~,Hz)	230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	400, 3~, 50/60 460, 3~, 60
Air throughput, free air flow(without filter mat)	500 / 525	500 / 525	873 / 965	873 / 965	863 / 942
Air throughput, free air flow(with filter mat)	417 / 446	417 / 446	725 / 759	725 / 759	700 / 749
Rated current (A)	0.27 / 0.22	0.55 / 0.43	0.56 / 0.43	1.17 / 0.88	0.19 / 0.11
Fuse current (A)	6	6	6	6	-
Motor short circuiter (A)	-	-	-	-	6.3...10
Power (W)	62 / 50	62 / 49	130 / 98	135 / 101	122 / 90
Width (mm)	400	400	400	400	400
Height (mm)	133	133	133	133	133
Depth (mm)	400	400	400	400	400
Max.mounting depth (mm)	34.6	34.6	34.6	34.6	34.6
Required mounting section size (mm)	258x258	258x258	258x258	258x258	258x258
Fan type	Centrifugal capacitor motor				
Operating temperature range	-30°C...+55°C				
Storage temperature range	-40°C...+70°C				

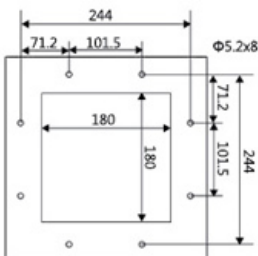
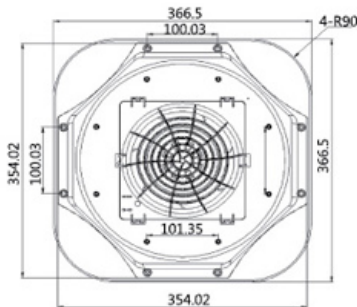
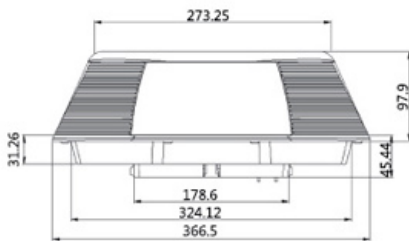
# KRF Cabinet top ventilator



Temperature



Humidity



## Technical explanation:

The premise of using top-mounted fan:

Ambient temperature should be lower than the temperature that is required to be in the switchboard. Taking top-mounted fan into account when there isn't enough space for a side-mounted filter fan in the cabinet.

Top-mounted fan of the cabinet will bleed the air from the top of the cabinet and drive the heat out so as to protect the electric apparatus and keep them running at the temperature within controllable range. And the structure is more proper because it won't take up space in the cabinet.

EN 60529/10.91 reaches IP54. The retractable high-power centrifugal fan is able to prevent moisture as well as mechanical damage, with its labyrinth rain-proof structure, which with the help of the sealing frame, can reach an IP code up to IP54 as per EN 60529/10.91. The centrifugal fan is mainly useful for discharge of high-heat load at peak efficiency.

Adoption of the centrifugal fan will be able to reduce the noise resulting from air friction as well as avoiding the vortex discharged by normal shaded pole fan.

The quantity and dimensions of inlet filters could be determined according to the actual situation.

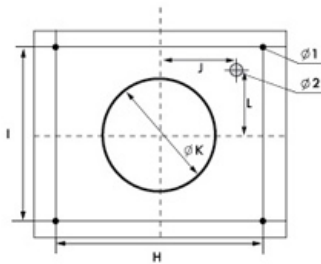
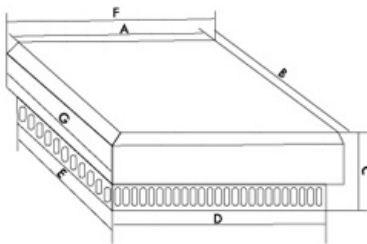
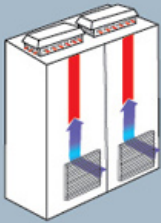
Please mark B behind corresponding model if a stainless shell required.

We can provide products with different voltage as required by clients.

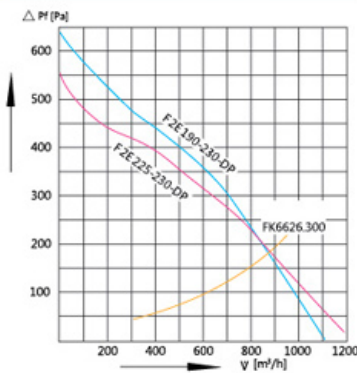


Using LK33 or FF series Exit Filters at the side of the cabinet not only can prevent water and dust entering the cabinet, also make the air through the whole cabinet for cooling.

Exhauster on the top	Type	KRF-670	KRF-950	KRF-1410
Voltage Frequency		230V 50/60HZ		
Air flow/free discharge of air		620/670m <sup>3</sup> /h	910/950m <sup>3</sup> /h	1250/1410m <sup>3</sup> /h
Centrifugal fan		Capacitor start		
Rated current		0.31/0.24A	0.38/0.36A	0.62/0.58A
Power		72/56W	88/82W	190/130W
Noise level		55/56 dBA	60/62 dBA	65/70 dBA
Temperature range		-10°C~55°C		
The quantity and size of the air inlet filter meet the requirements of particular users				



Power specific property curve



**Interior**

The precondition to use the top fan is that the ambient temperature should be lower than the temperature required in the cabinet.

**Function**

The high-power centrifugal top fan can vent the high heat load by the greatest degree. The centrifugal fan not only can avoid the vortex vented by the general shield magnetic fan, but also can reduce the noise caused by the friction of air. The FK series of Exit Filter can be used in the inlet in order to prevent from entering the humidity and dust.

**Design**

The centrifugal top fan is larruping. It is handsome and it has the good function and reasonable structure. It also doesn't take up the interior space. It can well satisfy requirement of the present market with it's unique design.

Type	A/B	C	D/E	F/G	H/I	J	ΦK	Φ1	Φ2	L
F2E190-230-DP	270	130	267	310	226.8	98.4	195	7.8	15	97
F2E 220-230-DP	270	130	267	310	226.8	98.4	195	7.8	15	97
F2E 225-230-DP	270	130	267	310	226.8	98.4	195	7.8	15	97

Exhauster on the top	Type	F2E190-230-DP	F2E220-230-DP	F2E225-230-DP
Voltage Frequency		230V 50/60HZ	230V 50/60HZ	230V 50/60HZ
Air flow, Ventilation freely		570/620m³/h	860/900m³/h	1200/1340m³/h
Flux of air equip filter		1xFK6626.300	1xFK6626.300	1xFK6626.300
exported Include filtering pad of standard		456/496m³/h	688/540m³/h	960/1072m³/h
Axle flow blower		Capacitance electromotion	Capacitance electromotion	Capacitance electromotion
Rated current		0.34/0.26A	0.40/0.38A	0.88/0.60A
Power		75/58W	90/85W	200/135W
Noise level		62/64 dBA	73/74 dBA	69/71 dBA
Temperature range		-10°C~55°C	-10°C~55°C	-10°C~60°C

The quantity and size of the wind inlet filter can be decided according to the concrete requirement