

# ION BLOWER

## MF-A90 Series



### 제품사양 / Product Specifications

Category	Specifications	
입력 전압 (Input voltage)	AC 100-240V 50/60Hz or DC 24V± 10%	
입력 전류 DC (Input current)	1 - Fan	400mA
	2 - Fan	400mA
	3 - Fan	600mA
	4 - Fan	800mA
	5 - Fan	1200mA
소모 전력 (Power consumption)	MAX. 29W [on 5-Fan]	
방전 전압 (Emitter voltage)	±6.5kV	
출력 주파수 (Output frequency)	10Hz	
이온 발생 방식 (Ion generating method)	Corona discharge	
전압 인가 방식 (Voltage application method)	Pulsed AC	
재질 (Material)	Body : ABS / Emitter Pins : Titanium	
방전핀 교체 (Emitter replacement)	Replaceable	
이온 밸런스 (Ion balance)	Under average ±30V	
제전 거리(Coverage distance)	200mm ~ 1200mm	
풍량 (Air Volume)	Max. 1.75m <sup>3</sup> / min [per 1-Fan]	
오존 발생량 (Ozone generation)	Under 0.005ppm	
사용 온도 (Ambient temperature)	0°C ~ +50°C (32~122°F)	
사용 습도 (Ambient humidity)	35~65%RH (No Condensation)	

※ 제품의 사양은 성능 개선을 위하여 별도의 통보 없이 변경될 수 있습니다.  
Specification is subject to change without notice for the improvement of product performance.

### 제품장점 / Advantages



자유로운 팬 모듈, 공간상자 조립 방식으로 다양한 길이와 구성 가능.  
Various assembly configurations of fan modules and spacing boxes are enabled.



간편한 유지 보수 및 청소.  
Easy maintenance & cleaning.

# ION BLOWER

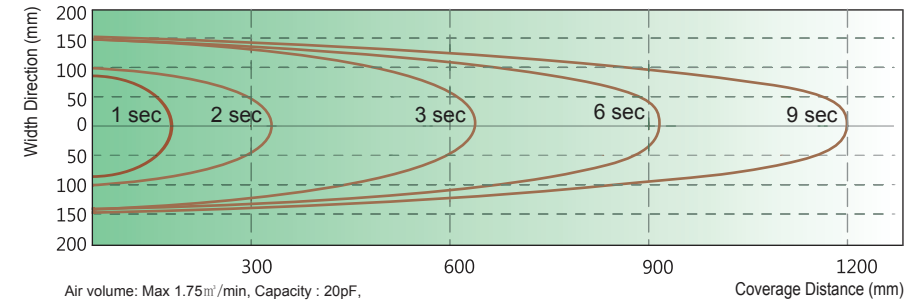
### 제품성능 / Product Performances

#### Relation between Distance and Decay Time

Distance (Cm)	Decay Time(sec)									
	1	2	3	4	5	6	7	8	9	10
30			1.8 sec							
60				2.8 sec						
90						5.8 sec				
120									9 sec	

Air volume: Max 1.75m<sup>3</sup>/min, Capacity : 20pF.  
Charged plate dimensions : 150mm x 150mm, Measurement condition : 1kV → 0.1kV

#### Relation between Width Direction and Decay Time



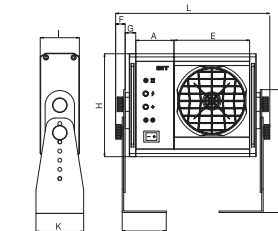
Air volume: Max 1.75m<sup>3</sup>/min, Capacity : 20pF.  
Charged plate dimensions : 150mm x 150mm, Measurement condition : 1kV → 0.1kV

※ 상기 성능그래프는 당사 실험실 기준입니다. (This graph is based on our laboratory environment testing.)

### 제품외관도 / Dimensions

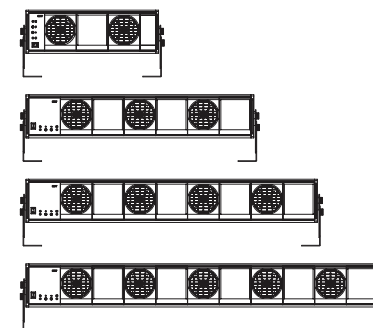
(Unit : mm)

#### Single type

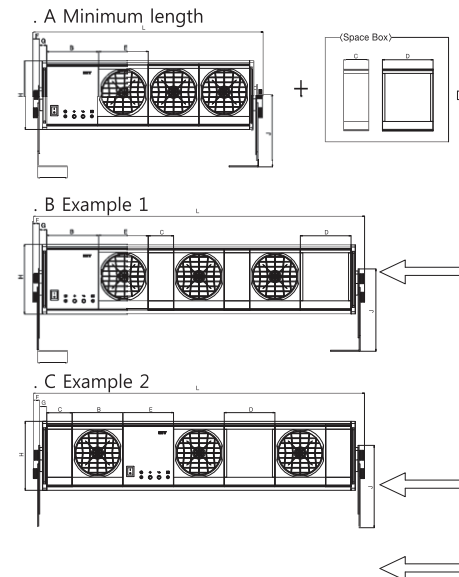


<Side View> <Front View>

#### Standard configurations



#### Multi-Fan type (Example: 3-fan) Customized configurations



Category	Code	Length	Remarks
Control Board	A	51.50	1-FAN, 2-FAN
	B	103.00	2-FAN, 3-FAN, 4-FAN, 5-FAN
Space Box	C	51.50	
	D	103.00	
Fan Module	E	103.00	
Bracket Assy	F	13.00	
Side Cover	G	15.20	
Height	H	141.85	
Depth	I	53.75	
Bracket Length	J	167.45	
Bracket Width	K	65.00	
Bracket Depth		60.00	

Category	Code	Min. Length
Blower Length	L	210.1
		313.1
		466.6
		569.6
		672.6