



Hosoe Facility in JAPAN

## PULSE JET DUST COLLECTOR

# *PiF* SERIES

## Energy Saving and Space Saving

### Inverter Control

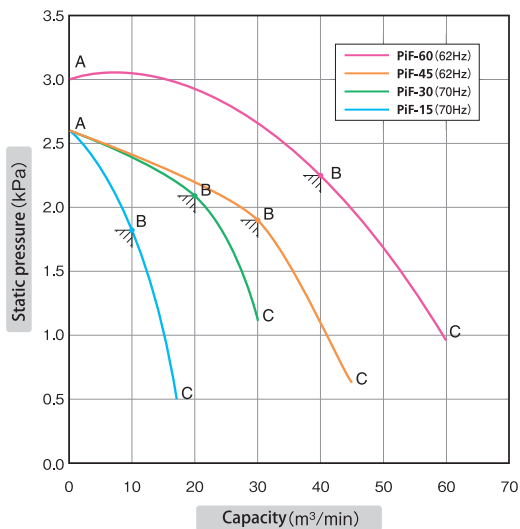


## Specifications

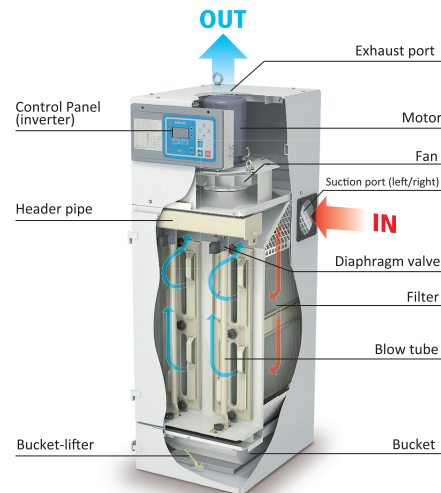
Model		PiF-15			PiF-30			PiF-45			PiF-60			
Power(Volts,Hertz)		three phase 200V 50/60Hz												
Motor	Output(kW)	0.6			1.35			2.0			3.1			
	Inverter	Standard equipment												
	Frequency adjustable range[Hz]	30~70						30~62						
Dust collector	B=Operation point	A	B	C	A	B	C	A	B	C	A	B	C	
	Capacity(m3/min)	0	10	18	0	20	30	0	30	45	0	40	60	
	Static pressure(kPa)	2.65	1.80	0.50	2.65	2.06	1.08	2.65	1.96	0.64	3.00	2.26	0.98	
Noise(dB[A])		less than 65±2			less than 67±2						less than 70±2			
Filter	Units(pcs.)	2			4			6			8			
	Shape	Mold cartridge type												
	Dust off	Auto pulse jet(Differential pressure detection)												
	Standard	Material	Polyester span bond											
		Surface area(m2)	6.0			12.0			18.0			24.0		
	Nanofiber (Option)	Material	Base material:PET(Polyethylene terephthalate) Blended cellulose + surface treatment:PP(Polypropylene)											
		Surface area(m2)	12.4			24.8			37.2			49.6		
Diaphragm valves(quantity)		2						3			4			
Compressed air consumption(L/min)		30			36			45			67			
Compressed air pressure[MPa]		0.5±0.1												
Bucket capacity(liters)		22.5						14×2			22.5×2			
Recommendation Breaker(A)		10			15			20			30			
Power cord(m)		3 (4-corewires,without plug)												
Suction port diameter(mm)		φ127			φ150			φ200			φ250			
Ambient temperature(℃)		0~40												
Permissible intake air temperature(℃)		0~40												
Size:W×D×H(mm)		520×650×1155			520×650×1572			680×650×1600			950×650×1727			
Weight(kg)		125			160			205			305			
Paint color		JPMA F35-85A												

Noise listed is only for reference,and does not include the noise of pulse jet.  
Listed are for standard units,and those may change,depending on custom requirements.

## Performance curve



## Internal design



## For Your Safety

- Read operation manual very carefully prior to operation of your dust collector.
- The PiF Series Dust Collector is intended for collecting particles that do not pose the risk of dust explosion or fire.
- Never allow the following substances to get into the dust collector.
  - \* Explosive, flammable powder...Magnesium, aluminum, titanium,zinc, epoxy, organic solvent, etc.
  - \* Inflammable substances...gasoline, thinner, benzene kerosene, paint, etc.
  - \* Dust with sparks...Dust produced by a high speed cutter, grinder, welding machine, etc.
  - \* Ashes...Cigarette butts, ashes, etc.
  - \* Other...Water, oil and chemical, etc.
- If your powder has a risk of sparks during metal cutting process, select a model with the spark suppression design.
- Never install the dust collector in a dangerous place specified by laws regulations, etc.

- Never operate the dust collector in or near an area where inflammable, explosive particles or corrosive mist, fumes or gases are present.
  - Please comply with any regulations stipulated by laws or ordinances for installation of dust collectors.
  - Maintain an ambient temperature of 0 to 40°C.
  - Be sure to ground the dust collector to avoid electric shock.
  - Make sure that your pipe work is straight not to allow powder to accumulate, with a proper diameter and shortest length to your powder collection.
  - When the anti-static filters are used, use the conductive bucket.
  - Always empty bucket or hopper before you start daily operation.
  - According to instructions about maintenance mentioned in an instruction manual, please enforce check and a periodic inspection strictly every day.
- Please comply with any regulations stipulated by laws or ordinances for inspection of dust collectors.

Specifications and descriptions contained in this catalog may be subject to change without notice.

Please direct any questions to:

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