

TIME & ECOLOGY
AMANO



Versatile Dust Collection System

***IXIPIIB* SERIES**

General dust collector model / Micro dust collector model
Filter box and a blower separated



Specifications

Filter Specification

Model	IP-3	IP-3D	IX-3	IX-3D	IP-5	IP-5D	IX-5	IX-5D	
Power supply	3-phase 50/60Hz common use								
Filter	Area (m ²) / (sf)	3.5 / 38		3.2 / 34		4.7 / 50.5		4.8 / 51.6	
	Quantity	3		27		3		27	
	Type	Molded cartridge							
	Material	Polyester		Polyethylene		Polyester		Polyethylene	
	Handling dust	Powder		Micro Powder		Powder		Micro Powder	
Dust off	Automatic pulsejet type								
Pilot Valve (Quantity)	3								
Compressed Air Consumption (L/min)※	5.4~15.0		8.5~30.0		5.4~15.0		8.5~30.0		
Inlet duct (mm) / (in)	φ 50.8 / φ 2"				φ 63.5 / φ 2.5"				
Outlet duct (mm) / (in)	φ 76.3 / φ 3"								
Standard discharge method ※2	Bucket tank		Dispose valve		Bucket tank		Dispose valve		
Bucket capacity (L)	30		—		30		—		
Accessory	Pulse Cable (3.5m / 11.5ft)								
W × D × H ※3	(in)	25.7 × 26 × 55.7		25.6 × 25.7 × 61.7		25.7 × 26 × 63.5		25.6 × 25.7 × 69.6	
	(mm)	653 × 658 × 1414		651 × 654 × 1568		653 × 658 × 1614		651 × 654 × 1768	
Weight (kg) / (lbs) ※4	65 / 143		65 / 143		70 / 154		70 / 154		
Coating color	JPMA (Main Y25-90A, Top & Bottom YN40)								

Type D: Dust explosion pressure diffusion type.

※ Listed figures apply to standard specification only. Those figures may change depending on custom requirements.

※ IX/IP series used in stand-alone (Please specify so at time of order)

Connect a power to a terminal block on a pcb installed in a pilot valve box, which is set on top of the machine body.

※1 Minimum consumption value is set at the factory

※2 Selectable from bucket tank method or dispose valve at time of order

※3 The dimensions do not include discharge opening and pilot valve box and explosion port lid.

※4 Type D is 20kg (44lb) heavier than standard model

Blower specification

Model	IB-3	IB-4			IB-5			IB-3D			IB-5D					
	Standard type (with inverter)						Dust explosion proof type (without inverter)									
Power supply	3-phase 50/60Hz common use									3-phase 50 or 60Hz separate use						
Output (kW)	1.5			3.7			5.5			2.2			5.5			
Capacity	(m ³ /min)	0	3	0	4	5	0	5	6	0	3	5	0	3	5	
	(cf/min)	0	106	0	141	176	0	176	212	0	106	176	0	106	176	
Static pressure (kPa)	13	12.5	23.5	21	18.5	27	22	18.5	12	11.2	9.5	22	30	13.5		
Noise (dB[A])	72±2 or less (with silencer)									74±2 or less (with silencer 2±2 or less)						
Inlet duct (mm) / (in)	φ 76.3 / φ 3"									φ 76.3 / φ 3"						
Outlet duct (mm) / (in)	—									φ 76.3 / φ 3"						
Power Cord (m)	Option (4-core)									Option (4-core)						
Accessory	Hose 1m (length selectable)									Hose 1m (length selectable)						
W × D × H	(in)	27.6 × 19.7 × 23.8			27.6 × 19.7 × 33.5			27.6 × 19.7 × 33.5			23.6 × 17 × 30.4			29.5 × 20.5 × 34		
	(mm)	700 × 500 × 605			700 × 500 × 850			700 × 500 × 850			600 × 430 × 773			750 × 520 × 865		
Weight (kg) / (lbs)	90 / 198			130 / 286			155 / 341			105 / 231			187 / 411			
Coating color	JPMA Y25-90A									JPMA Y25-90A						

For Your Safety

IP, IX series

- Be sure to read the instruction manual thoroughly before getting started, and use the machine correctly.
- This product is designed to collect powder particles that do not pose the risk of dust explosion or fire.
- Do not suction the following materials:
 - Flammable materials... gasoline, thinner, benzene, kerosene, paint, etc.
 - Explosive materials... aluminum, magnesium, titanium, zinc, epoxies, etc.
 - Sparks... sparks, or dust that contains sparks
 - Fire remains... cigarette stubs, ashes, etc.
 - Other... water, oil, liquid chemicals, etc.
- If there is a danger of suctioning sparks when collecting flammable dust from polishing work and so forth, consult with your branch or sales office to select the appropriate model.
- This product is not an explosion-proof type. Do not install the machine at hazardous areas specified by laws.
- Do not operate the machine in areas exposed to mist, fumes or gases that are inflammable, explosive or corrosive.
- Please comply with regulations stipulated by laws and/or ordinances that are applicable to product installation.
- The ambient temperature range is from 0°C to 40°C.
- Be sure to ground the machine to protect against electric shock.
- Be sure to use pipes with the appropriate diameter and make them as short as possible according to dust collection conditions so that dust will not accumulate in them.
- Dispose of collected dust daily. Do not allow dust to accumulate in the bucket or hopper.
- Please perform daily and periodical maintenance work in accordance with instructions described in the operation manual.
- Please comply with regulations stipulated by laws and/or ordinances that are applicable to product maintenance.
- Before collecting explosive dust, consult with your Amano representative, since dust collectors equipped with dust explosion pressure diffusion type are available.

IP-D, IX-D series

- Be sure to read the instruction manual thoroughly before getting started, and use the machine correctly.
- The collecting dust of our dust-explosion pressure diffusion type dust collector shall be the combustible dust of which we are ensured of dust-collecting capability by the evaluation of its dust explosion hazardous characteristics.
- Do not suction the following materials:
 - Flammable dust with the characteristics of high explosibility such as magnesium powder
 - Flammable materials... gasoline, thinner, benzene, kerosene, paint, etc.
 - Sparks... sparks, or dust that contains sparks
 - Fire remains... cigarette stubs, ashes, etc.
 - Other... water, oil, liquid chemicals, etc.

- Please evaluate a dust explosion risk every time the collecting combustible dusts are changed and ensure the dust-collecting capability before using the machine.
- We are not responsible for any determination of dust-collecting capability in case of a dust explosion risk remains unclear.
- Please consult with our branch office and sales office about dust explosion risk assessments.
- Anti-Explosion Type Dust Collectors are designed to maintain conditions under which it is difficult for explosions to occur; however, they cannot completely prevent explosions.
- The dust-explosion pressure diffusion type dust collector shall be installed outside in order to reduce risks of explosion pressure diffusion. An installation inside a building increases a risk of dust explosion pressure diffusion.
- Install dust explosion pressure diffusion in a place where people will not be working above it. Also, do not place any factory equipment on or above the machine.
- This product is not an explosion-proof type. Do not install the machine at hazardous areas specified by laws.
- Do not operate the machine in areas exposed to mist, fumes or gases that are inflammable, explosive or corrosive.
- Please comply with regulations stipulated by laws and/or ordinances that are applicable to product installation.
- The ambient temperature range is from 0°C to 40°C.
- Be sure to ground the machine to protect against electric shock.
- Be sure to use pipes with the appropriate diameter and make them as short as possible according to dust collection conditions so that dust will not accumulate in them.
- Dispose of collected dust daily. Do not allow dust to accumulate in the bucket or hopper.
- A dust pack cannot be used in order to prevent static charge.
- Please perform daily and periodical maintenance work in accordance with instructions described in the operation manual. Please comply with regulations stipulated by laws and/or ordinances that are applicable to product maintenance.
- In the event of dust explosion, please contact us for inspection.

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

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