

TIME & ECOLOGY
AMANO



Hosoe Facility in JAPAN

ELECTRIC OIL MIST COLLECTOR

EM-eII SERIES

HIGH CONCENTRATION CAPACITY

For water-soluble mist and oil mist

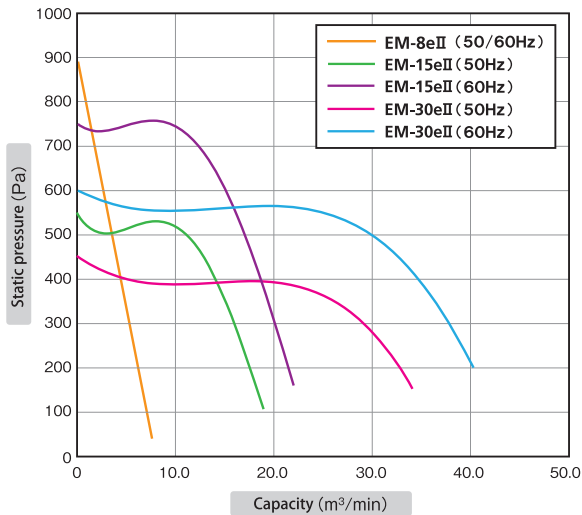


Specifications

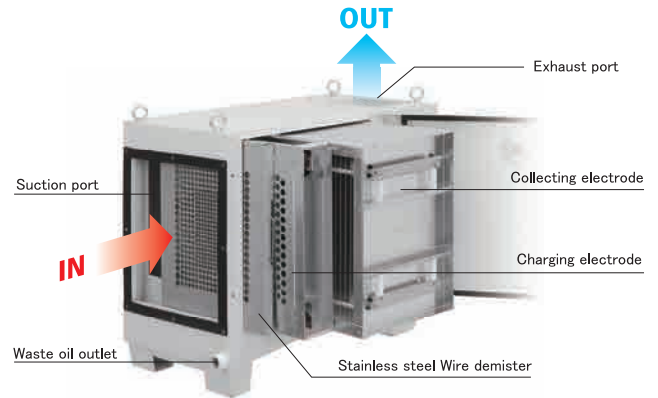
Model		EM-8eII	EM-15eII	EM-30eII
Power(Volts,Hertz)		Single phase 200V 50 / 60 Hz common use	Three phase 200V 50 / 60Hz common use	
Output(kW)		power consumption 0.12	output 0.75	output 1.5
Airflow at operating point (m ³ /min) (Max value)	50Hz	7.5(7.5)	15(19)	30(34)
	60Hz	7.5(7.5)	15(22)	30(40)
Static pressure at operating point (Pa) (Max value)	50Hz	50(900)	350(550)	280(450)
	60Hz	50(900)	600(750)	500(600)
Noise(dB[A])		less than 65±2	less than 72±2	
Preprocessing		Stainless eliminator		
Electric collection part	Charging system	Negative(-)charge,2-stage charging system		
	Charging electrode type	Needle type (Nickel alloy)	Needle type (Titanium)	
	Charging electrode voltage(kV)	-8	-10	
	Collection electrode voltage(kV)	-6	-6	
	Charging Electrode	1(EM-8eII exclusive use)	1(EM-15eII exclusive use)	1(EM-30eII exclusive use)
	Collection Electrode	Build in charging collection Electrode	1(EM-15eII/30eII)	2(EM-15eII/30eII)
Collecting target		Water-soluble mist and oil-based mist Oil mist with a flash point of more than 80℃ Water soluble mist with electrical conductivity of less than 300mS/m		
Collecting efficiency(%)		99 (Weight method intake air intensity) Depend on air volume		
The maximum concentration(mg/m³)		~ 100	~ 200	
Use environment temperature(℃)		0 ~ 40		
Permissible intake air temperature(℃)		0 ~ 40		
Recommended Breaker(A)		5	10	15
Power cord(m)		3.5 (3-corewires,without plug)	3.5 (4-corewires,without plug)	
Oil drain port(mm)		R1(1-inch parallel internal thread for pipe) Purchased separately		
Size:W×D×H(mm)		430×535×400	478×1000×620	813×1081×620
Weight(kg)		29	70	115
Accessories		1 inch 90°elbow		
Standard paint color		JPIA 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 the following cautions and warnings and make sure you thoroughly understand them before attempting to operate the equipment.

- Use this device only for the purpose of sucking oil mist.
- Never allow any of the following substances to be sucked into the oil mist collector.
 - Inflammable substances-gasoline, thinner, benzene, kerosene, paint, etc.
 - Combustible dust/powder or fume
 - Igneous substances-cigarette butts or ashes, etc.
 - Oil and mist that is inflammable below 80°C.
 - Other items-water and chemicals, etc.
- The ambient temperature is 0 to 40°C.
- This model is not explosion-proof type. Do not install the machine at hazardous area designated by ordinance.
- Please conduct maintenance work on electrode as follows:
 - Check the dirt once or more a week.
 - Clean the electrode when the dirt accumulated up to 2mm.
 - Clean the electrode once or more in every 3 months.

- Do not turn on the power while maintenance work and do not start any operation before the fan has stopped rotating.
- A die-cast machine requires a specific mist collector. Please contact your local dealer for further information.
- This machine cannot remove odor and/or gas component.
- Do not operate the oil mist collector in or near a place where pervaded with inflammable, explosive and corrosive fume, smoke and gas, or where the dust that could cause dust explosion scattered.
- Always connect an electrical ground to avoid possible electrical shock.
- Use piping of a diameter that matches the dust collection conditions and has no drooping points where oil might tend to collect. Also layout the piping in the shortest possible distance.
- When you wish to suck exhaust gases such as from internal combustion engines or vacuum pumps, contact our dealer or sales representative to determine if it is acceptable.

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

Please direct any questions to:

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