

Van de Graaff "RAIJIN"

New Type static high-voltage generator "RAIJIN" Apparatus [Van de Graaff]

This is a new type of static high voltage generator with further increased generated voltage compared with the previous model.

With this unit, experiment is possible even with high-humidity seasons, so that static electricity teaching can be provided without being influenced by the weather.

The maintenance had been greatly simplified, and can be performed easily in the classroom.

Features

■ Increased generation voltage

- Up to 110 mm spark is obtained
- The unit can be used even during the rainy season

■ Simple maintenance

- The rollers and belts can be simply removed without the use of tools, so that maintenance is much easier.

■ The belt speed adjusting function has been separated from the main unit.

- To prevent electric shock during speed adjusting, the controller has also been separated from the main unit.

■ Installation of lamps within the main unit

- To remove the generation performance during the rainy season, a small lamp has been installed.

■ Depending on the humidity and other conditions in the room, the discharge distance varies.



Specification

- Generated voltage : Over 150 thousand Volt
- Discharge distance (approx.) : Max. 110mm (humidity 40%)
- Rainy season : more than 60mm
- Diameter of charge collector ball : approx. 215mm
- Diameter of discharge ball : approx. 115mm
- Power supply : 100V AC 50/60Hz
- Size : approx. 270 x 210 x 620mm (charge collector ball)
approx. 150 x 130 x 490mm (discharge ball)
- Weight : approx. 5.6kg
- Accessories : Hamilton flywheel (simple type), small fluorescent lamps (3-color)
Static rocket assembling kit, electric umbrella (simple type)