

Product Code . EDS-E-10645

Van De Graaff Generator With Accessory Kit



Description

The electric motor is driven from the mains supply, using a three-wire cable.

The base is fitted with a 4mm diameter socket which can be used either for supporting a conducting sphere (fitted with a cranked rod support) or for a wire connection to a separate conducting sphere (fitted on a plexiglass rod).

The Generator consists of a conducting sphere supported by a plexiglass pillar and a rubber belt driven by an electric motor concealed in the metal base.

Jainco Export Static electrical charge is produced by friction between this band and two rollers, one of polythene, the other of plexiglass.

The charge is removed from the belt by a metal gauze and stored in the dome.

A dust cover is provided to keep the Van de Graaff free from dust when not in use.

With Accessory kit

Specifications:

Operating Voltage: 220 to 240V AC

Fuse Rating: 315 mA / 250V

Maximum Spark Length: 50mm (approx)

Diameter of Generator Dome: 220mm

Total Height: 500mm.




Base (max) Dimensions: 218 x 182 x 93mm

Diameters of Conducting Spheres: 100mm

Power Output: 200,000 - 400,000 volts

Dome Capacitance: 15pF (approx)

Maximum (intermittent) current: 6μA (approx)

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