

IV - FAN STRUCTURE

The main parts of any fan are the housing, the impeller, the rotor and the stator.

The housing is the stationary part which guides the air or gas.

The impeller is the rotating part which transfers energy to the fluid.

The impeller's main working surfaces are the blades. They are generally made of UL94V0 plastic.

The rotor is made of a magnet and a yoke (DC fans).

The stator is made up of steel plates and a winding.

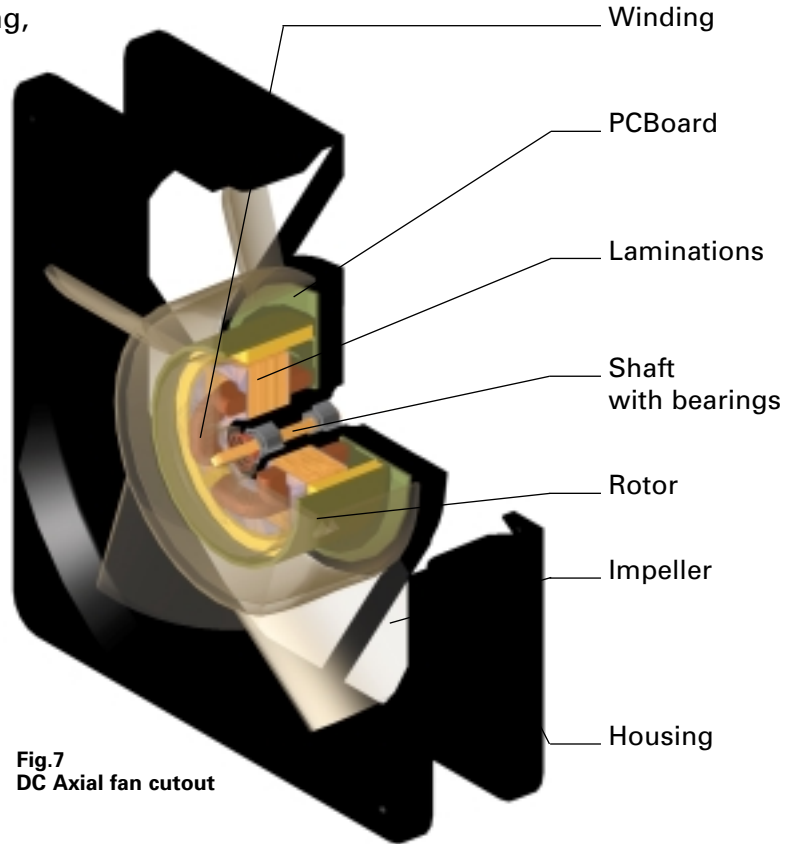


Fig.7
DC Axial fan cutout