ABSTRACT

Integrated cylindrical magnet layer rotor has strong magnetic flux passed each other between internal magnetic layers and double magnetic flux induce stator coil.

Rotation of rotor sweeps the magnetic flux across the coils, producing Alternating voltage and current in them depend up on speed of rotation.

Integrated layers rotor rotates together with bearing on shaft of stator. Stator and shaft are fitted parts in another section and two bearings and integrated magnet layer are moving parts together with rotor as shown.

There are 12 magnet bars on each inner wall of integrated layer rotor. Each magnet bar is slotted into individual taper locked holder. Total magnet bars 24 pieces and 12 magnets slotted in each wall of rotor slot.

Each magnet bar has north and south pole. Poles are arranged alternately, so that north magnetic pole bar face to south magnetic pole bar and stator's coil is between this two magnet layers.

Figure. 2