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The invention relates to the electric machine engineering and may be used for design and manufacture of induction generators with capacitive excitation for independent power supply systems.

The generator contains capacitors and a stator three-phase winding, the phases of which are formed of the main winding with the phases A1, B1, C1 and an additional winding with the phases A2, B2, C2, connected into the autotransformer scheme, the common connection nodes of which represent the output terminals of the generator, and the capacitors are connected to the start of the additional winding phases. The main and the additional windings are made of conductors of equal section, and their phases are connected in series into the counterphase so that the finish of the main winding phase A1 is connected to the finish of the additional winding phase C2 and, accordingly, the finish of the phase B1 to the finish of the phase A2 and the finish of the phase C1 to the finish of the phase B2.

Claims: 1
Fig.: 2