

A rotor of a magnetic conductor is assembled of sheets made of steel having a high saturation induction, for example, iron-cobalt (49K2ΦA). Rods of both cages, which installed in magnetic conductor slots are made of copper. The rotor is annealed at temperature of magnetic conductor steel annealing, for example $(820 \pm 10)^{\circ}\text{C}$. The asynchronous motor with rotor manufactured in such a way has enhanced energetic characteristic, enhanced performance, enhanced start at saving start current and mass and dimensions of industry analogue.