

The magnetic system of a three-phase transformer had three rods and two magnet frames divided by windows. The rods and magnet frames consist of bag hole packs are layered. The extreme rod trapezoidal plates and magnet frames at two corner-wise opposite angle layers of the magnetic system are mated in planes perpendicular to the plate layers and passing through windows angle bisecting line. The slab wafers of the middle rod are connected by the inner side edge-butt joint of opposite magnet frame plates. All four pack layers are displaced equally in relation to uneven magnet frames for given distance Δ in the direction from one of opposite magnet frames to another. The extreme rod and magnet frame plates in two corner-wise opposite angles are mated in planes perpendicular to layer planes