عنوان مقاله:

Factors Affecting Normal Flux and Iron Loss in Laminated Cores

محل انتشار:

چهارمین همایش کیفیت و بهره وری در صنعت برق (سال: 1382)

تعداد صفحات اصل مقاله: 12

نویسنده:

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خلاصه مقاله:

This paper presents experimental evidence that four types of magnetic laminated core materials of grain oriented 3% silicon-iron cut and magnetized at 0o to their rolling direction and one type of amorphous material (POWERCORE) ffects the magnitude of the normal flux density distribution transfer between them. Stacks of laminations were agnetized at 50Hz between 1.0 and 1.8 T and the normal flux was found to vary from about 0.5 to 1.2 mT. The flux transfer in any group of samples could vary by as much as 100% according to the different types of materials used .with .possible consequential differences in the power loss due to associated inplane eddy currents

کلمات کلیدی:

Building Factor: Actual loss/ Nominal loss ZDKH: A high permeability material Normal flux: Flux transfer between strips during the ac magnetization process