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CONFERENCE ON INTERNATIONAL SCIENTIFIC DEVELOPMENTS: INSIGHTS INTO MODERN SCIENCE AND INNOVATIVE PRACTICES

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KUCH TRANSFORMATORLARIDA ENERGIYA ISROFLARI VA ULARNI KAMAYTIRISH USULLARI

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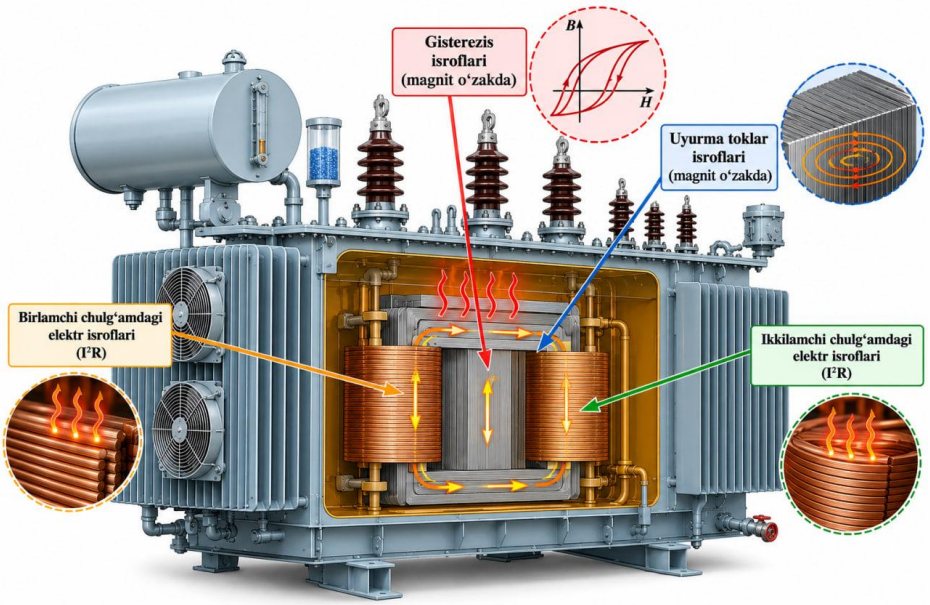
Kuch transformatorlari elektr energetika tizimining asosiy elementlaridan biri bo‘lib, elektr energiyasini bir kuchlanish darajasidan ikkinchi kuchlanish darajasiga o‘zgartirish, elektr energiyasini uzatish va taqsimlash jarayonlarida muhim ahamiyatga ega. Elektr stansiyalarida ishlab chiqarilgan elektr energiyasi iste’molchilarga uzatilishidan oldin transformatorlar yordamida kuchlanish darajasi oshiriladi yoki pasaytiriladi. Transformatorlarning samarali ishlashi elektr energiyasidan oqilona foydalanish, elektr ta’minoti tizimining ishonchliligini oshirish va ekspluatatsiya xarajatlarini kamaytirishda muhim omil hisoblanadi. Biroq transformatorlarda elektr energiyasini o‘zgartirish jarayonida ma’lum miqdorda energiya isroflari yuzaga keladi. Ushbu isroflar transformatorning konstruktiv tuzilishi, magnit o‘zak va chulg‘am materiallarining xususiyatlari, yuklama miqdori, ish harorati hamda ekspluatatsiya sharoitlariga bog‘liq.

Kuch transformatorlarida energiya isroflari asosan magnit o‘zakda yuzaga keladigan salt ishlash isroflari va chulg‘amlarda hosil bo‘ladigan yuklama isroflariga ajratiladi. Salt ishlash isroflari transformatorning birlamchi chulg‘amiga nominal kuchlanish berilib, ikkilamchi chulg‘am yuklamasiz holatda bo‘lganida ham mavjud bo‘ladi. Ushbu isroflarning asosiy qismi magnit o‘zakda sodir bo‘ladigan fizik jarayonlar bilan bog‘liq. O‘zgaruvchan magnit maydon ta’sirida magnit o‘zak materialida gisterezis va uyurma toklar hosil bo‘ladi. Gisterezis isroflari magnit materialning qayta magnitlanishi davomida yuzaga kelsa, uyurma toklar isroflari o‘zak materialida induksiyalanadigan toklar natijasida hosil bo‘ladi. Mazkur isroflarning miqdori magnit o‘zak materiali, uning tuzilishi, magnit induksiya qiymati va elektr tarmog‘ining chastotasiga bog‘liq. Magnit o‘zakni sifatli elektrotexnik

po‘latdan tayyorlash, yupqa izolyatsiyalangan plastinalardan yig‘ish va magnit oqimning bir tekis taqsimlanishini ta’minlash salt ishlash isroflarini kamaytirish imkonini beradi.



1-rasm. kuch transformatorida energiya isroflarining yuzaga kelish joylari.

Transformatorning umumiy quvvat isrofi magnit o‘zakdagi va chulg‘amlardagi isroflar yig‘indisi sifatida ifodalanadi. Amaliy hisob-kitoblarda qo‘shimcha isroflar ham hisobga olinishi mumkin. Umumiy ko‘rinishda transformatorning quvvat isrofi quyidagicha yoziladi:

$$P_{isr}=P_0+P_k$$

Transformatorning energiya samaradorligini baholashda foydali ish koeffitsiyenti muhim ko‘rsatkich hisoblanadi. Foydali ish koeffitsiyenti transformatorning chiqish quvvati kirish quvvatiga nisbati orqali aniqlanadi:

$$\eta = \frac{P_2}{P_1} \cdot 100\%$$

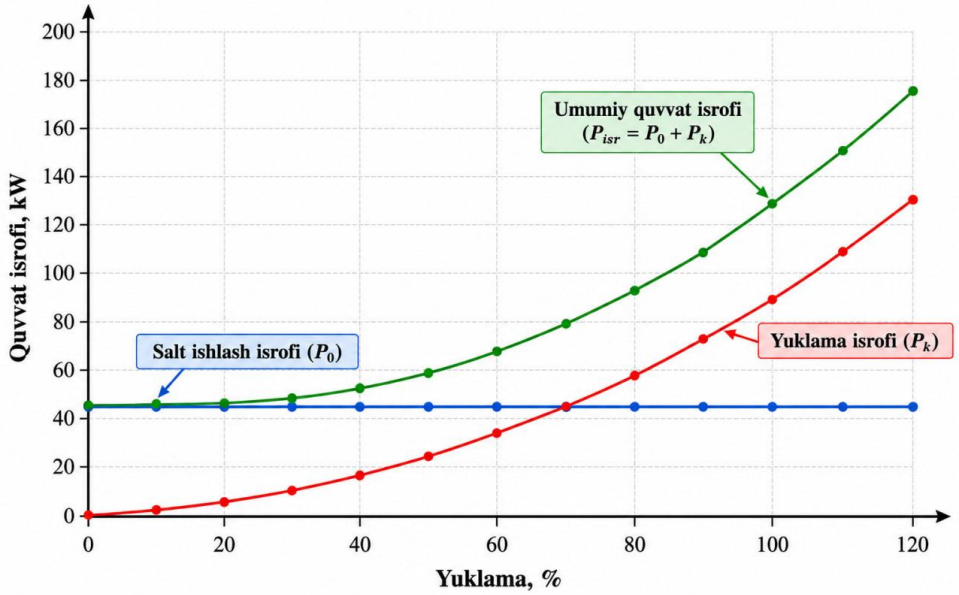
Transformatorning foydali ish koeffitsiyenti yuklama miqdoriga bog‘liq holda o‘zgaradi. Juda kichik yuklamada magnit o‘zakdagi salt ishlash isroflari foydali chiqish quvvatiga nisbatan sezilarli ulushni tashkil etadi. Yuklama ortishi bilan chiqish quvvati oshadi, biroq chulg‘amlardagi isroflar ham ortib boradi. Shuning uchun transformatorni samarali ishlatish uchun faqat isroflarni kamaytirish emas,

balki uning yuklama rejimini ham to‘g‘ri tanlash talab etiladi. Ayrim hollarda bir nechta transformator parallel ishlayotgan tizimlarda yuklamani qurilmalar o‘rtasida oqilona taqsimlash orqali umumiy isroflarni kamaytirish mumkin. Bunda transformatorlarning quvvati, texnik holati, yuklama grafigi va parallel ishlash shartlari hisobga olinadi.

Transformatorlarda energiya isroflarini kamaytirishning muhim yo‘nalishlaridan biri magnit o‘zakning konstruksiyasini takomillashtirish hisoblanadi. Zamonaviy transformatorlarda yuqori sifatli elektrotexnik po‘lat, jumladan, yo‘naltirilgan donali magnit materiallardan foydalanish magnitlanish jarayonidagi isroflarni kamaytirishga yordam beradi. Magnit o‘zak plastinalarining yupqa va o‘zaro elektr jihatdan izolyatsiyalangan bo‘lishi uyurma toklar ta’sirini cheklaydi. O‘zakning yig‘ilish sifatini oshirish, magnit zanjirdagi tirqishlarni kamaytirish va magnit oqimning taqsimlanishini yaxshilash ham transformator samaradorligiga ijobiy ta’sir ko‘rsatadi. Bunday texnik yechimlar, ayniqsa, transformator uzoq vaqt davomida tarmoqqa ulangan holda ishlaydigan elektr taqsimlash tizimlarida katta ahamiyatga ega, chunki salt ishlash isroflari qurilma yuklamasiz turgan paytda ham davom etadi.

Energiya isroflarini kamaytirishning navbatdagi yo‘nalishi transformator chulg‘amlarini to‘g‘ri loyihalash va ularning texnik holatini saqlashdir. Chulg‘am simlarining kesim yuzasi tok zichligi va qizish shartlariga mos tanlanishi kerak. Elektr kontaktlarining bo‘shashishi, oksidlanishi yoki qarshiligining ortishi mahalliy qizish va qo‘shimcha energiya isroflariga sabab bo‘lishi mumkin. Shu bois davriy texnik ko‘riklar, kontakt birikmalarini tekshirish, chulg‘amlarning elektr qarshiligini o‘lchash va sovitish tizimining ish holatini nazorat qilish zarur. Transformator moyining sifati ham muhim omil hisoblanadi: moyning izolyatsion va issiqlik uzatish xususiyatlari yomonlashsa, qurilmaning sovishi qiyinlashadi va yuqori harorat ta’sirida izolyatsiya eskirishi tezlashadi. Moy holatini laboratoriya tahlillari orqali tekshirish, zarur hollarda uni qayta ishlash yoki almashtirish transformatorning ishonchli ishlashiga yordam beradi.

Transformatorning sovitish tizimi energiya samaradorligi va xizmat muddatiga bevosita ta’sir ko‘rsatadi. Transformator ishlashi davomida o‘zak va chulg‘amlarda hosil bo‘lgan issiqlik moy, radiatorlar va tashqi muhit orqali chiqariladi. Radiatorlarning ifloslanishi, havo aylanishining cheklanishi yoki sovitish ventilyatorlarining nosozligi issiqlik almashinuvini yomonlashtiradi. Natijada transformator harorati ortib, izolyatsion materiallarning eskirishi tezlashishi mumkin. Shu sababli sovitish tizimini toza saqlash, ventilyator va nasoslarning ishlashini tekshirish, moy haroratini kuzatish hamda ishlab chiqaruvchi belgilagan ekspluatatsiya talablariga rioya qilish lozim. Sovitish tizimining samarali ishlashi transformatorning ruxsat etilgan harorat rejimida ishlashini ta’minlaydi.



2-rasm. transformator yuklamasi va quvvat isroflari o‘rtasidagi bog‘lanish diagrammasi.

Transformatorning energiya isroflarini kamaytirishda yuklama grafigini tahlil qilish va qurilmaning haqiqiy ish rejimini aniqlash ham muhim hisoblanadi. Elektr energiyasi iste’moli kun davomida yoki mavsumlar bo‘yicha o‘zgarishi mumkin. Ayrim vaqtlarda transformator juda kichik yuklama bilan, boshqa davrlarda esa yuqori yuklama bilan ishlaydi. Agar transformator quvvati iste’molchilar talabidan ancha katta tanlangan bo‘lsa, past yuklama davrlarida salt ishlash isroflarining foydali energiyaga nisbati ortishi mumkin. Aksincha, quvvati yetarli bo‘lmagan

transformatorning muntazam ortiqcha yuklanishi chulg‘am isroflarini va qizishni kuchaytiradi. Shuning uchun transformator quvvatini tanlashda iste’molchilarning maksimal va o‘rtacha yuklamasi, yuklama grafigi, kelajakdagi talab o‘zgarishi hamda zaxira quvvatga ehtiyoj hisobga olinishi zarur.

Foydalanilgan adabiyotlar

1. IEC 60076. Power Transformers. International Electrotechnical Commission (IEC).

2. IEC 60156:2025. Insulating liquids — Determination of the breakdown voltage at power frequency — Test method. IEC.

3. IEC 60422:2024. Mineral insulating oils in electrical equipment — Supervision and maintenance guidance. IEC.

4. IEC 60599:2022. Mineral oil-filled electrical equipment in service — Guidance on the interpretation of dissolved and free gases analysis. IEC.

5. Kulkarni S. V., Khaparde S. A. Transformer Engineering: Design, Technology, and Diagnostics. 2nd ed. CRC Press, 2012.

6. Heathcote M. J. The J & P Transformer Book. 13th ed. Newnes, 2007.

7. CIGRE. Guide for Transformer Maintenance. International Council on Large Electric Systems (CIGRE).

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