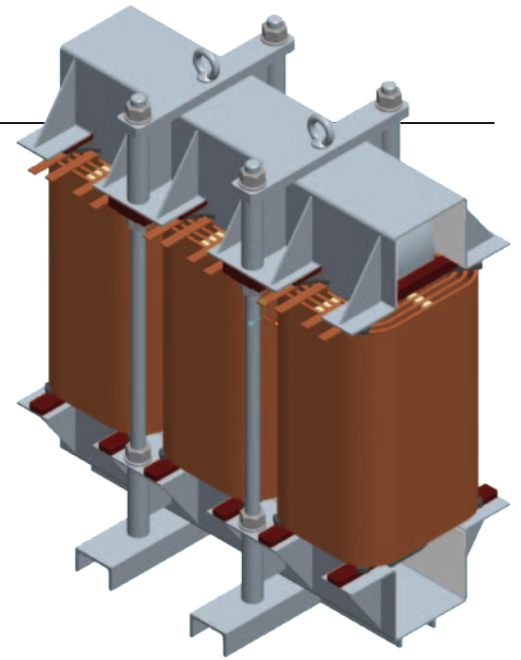


PRODUCT INFORMATION

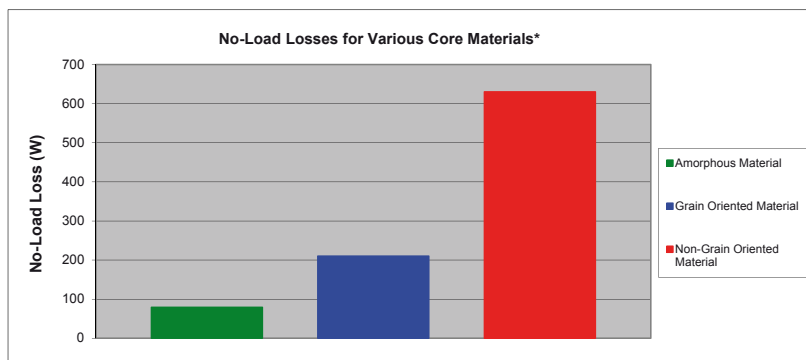
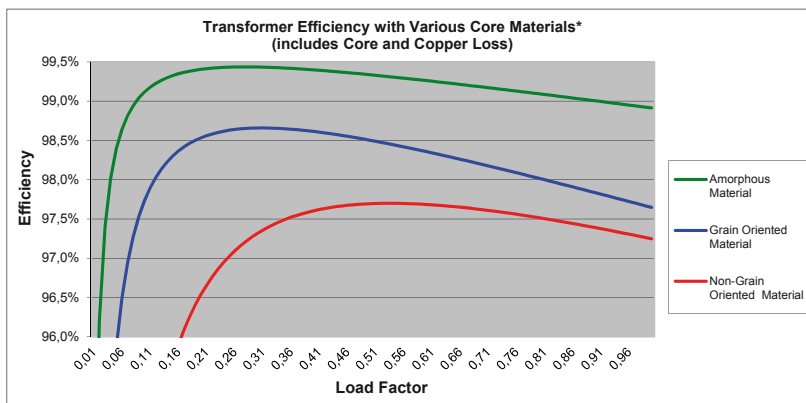


Amorphous Core Transformers

By utilizing amorphous metal as a transformer core material, it is possible to achieve higher transformer efficiency. Because of the improved magnetic properties and the physical dimensions of the material, the hysteresis and eddy current losses are greatly reduced. With the application of amorphous metal cores, transformer core loss can be reduced by more than 60%. For the customer, this means vastly reduced energy consumption and costs over the service lifetime of the transformer.

The advantages of using amorphous core transformers are:

- Reduced No-Load Losses
- Reduced Operating Temperature
- Reduced Energy Costs
- Reduced Energy Consumption Resulting in Reduced CO₂ Production



*Based on 100kVA

Technical Information

| Parameter | RAMOR100 | TSIANDSE |
|----------------------|---------------------|--------------------------------|
| Type | RAMOR100 | TSIANDSE |
| Core Material | Amorphes Metall | Kornorientiertes Elektro-Blech |
| Rated Power | 100 kVA 3-Phasig | 100 kVA 3-Phasig |
| Voltage (Prim./Sec.) | 400/400V | 400/400V |
| Current (Prim./Sec.) | 144/144 A | 144/144 A |
| Frequency | 50 Hz | 50 Hz |
| Type of protection | IP00 | IP00 |
| Winding losses | 1020 W | 2400 W |
| No-load losses | 79 W | 210 W |
| Efficiency (100 %) | 98,9 % | 97,4 % |
| Efficiency (40 %) | 99,4 % | 98,5 % |