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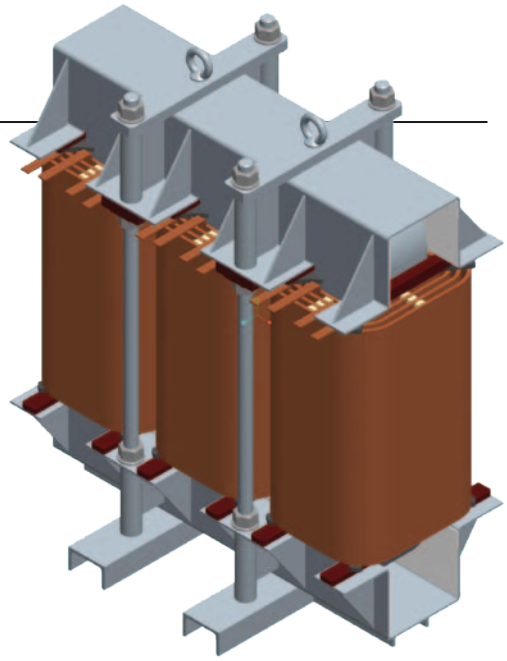
PRODUCT INFORMATION

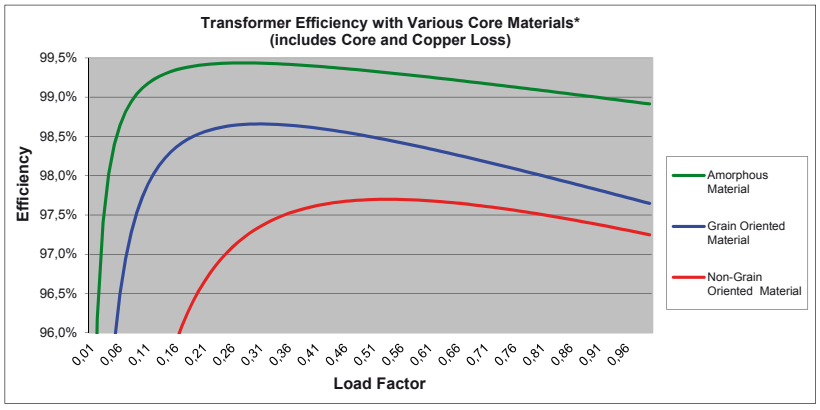


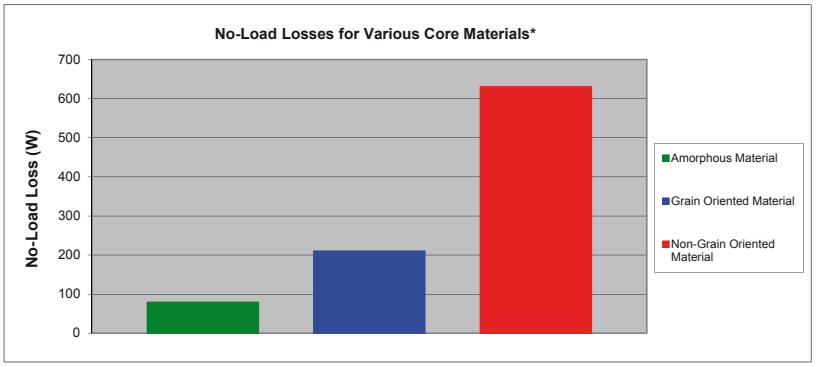
Amorphous Core Transformers

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 CO_2 Production





*Based on 100 kVA

Technical Information		
Type	RAMOR 100	TSIANDSE
Core Material	Amorphes Metall	Kornorientiertes Elektro-Blech
Rated Power	100 kVA 3-Phasig	100 kVA 3-Phasig
Voltage (Prim./Sec.)	400/400 V	400/400 V
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 %

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