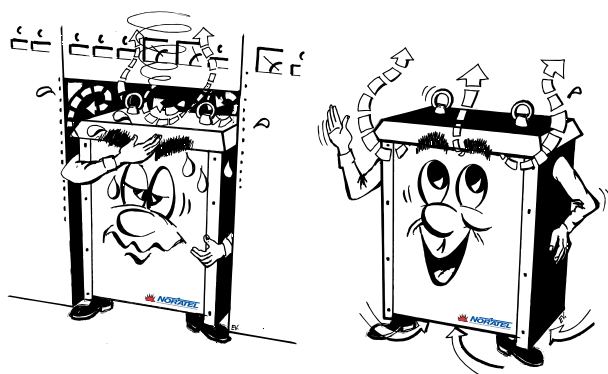


Noratel transformer care



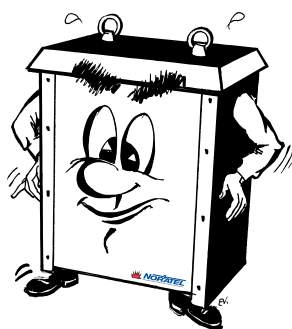
Transportation, lifting & handling

- Any transformer with exposed windings are subjected to impact and touch. Direct hits to the windings and accessories can cause insulation failure or short circuit.
- Use the eye lugs or pallet and pallet truck/forklift lifting. The weight of the transformer is indicated on the rating plate.
- Keep the shrink wrap plastic packaging on as long as possible even during installation.
- Before connecting the transformer to the electrical system eventually packing has to be removed.



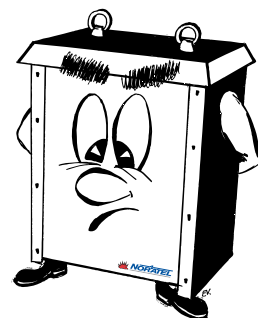
Location / connection

- If terminal blocks are mounted these are approved for both copper and aluminum wires.
- Free space around the transformer must be sufficient to provide natural air cooling to keep the ambient temperature stated on the rating plate.
- Remember that an IP20 transformer is designed for free airflow from all sides, from bottom to top.
- Consider airflow and heat when adding/connecting cables.
- Cool air in from the bottom - Warm air out on top!



Fuses / Protection

- Concerning fuse arrangement and size, please follow transformer manufacturers recommendations.
- Fuses should be of slow blow characteristics.
- The transformer must be protected against overload - maximum current is specified on the transformers rating plate.



Storage & preservation

- The transformer is normally not packed for outdoor storage and must be transported and stored in dry indoor ventilated conditions in the temperature range 0-40°C, Max relative humidity 80%.
- Do not store anything heavy on the transformer.
- Keep the shrink wrap plastic packaging on during storage.



Installation, operation & maintenance

- It is recommended keeping the transformer free from humid, dust and other materials which may be conductive.
- Keep the transformer out of rain and similar conditions.



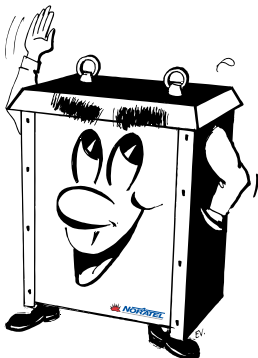
- Do not use welding equipment, grinders or similar equipment close to the transformer unless they are surrounded completely with protective wrapping.



- Do not sit, stand or walk on the transformer capsule.



- Do not store any heavy equipment on top of the transformer
- Do not cover the transformer with any kind of material.



- A correctly installed transformer will have tens of years of operation time

Good luck!