To ensure that all energy consumption-related products are designed in an environmentally friendly manner, the European Commission decreed on 24 May 2014 the REGULATION (EU) no. 548/2014 OF THE COMMISSION regarding implementation of the Directive 2009/125/EC of the European Parliament and the Council as regards low power transformers, medium power transformers and large power transformers – designated colloquially as “ECO Design Directive”.

You can also download this standard from our website under: www.sgb-smit.com/downloads/brochures

The regulation was first enacted as of 10 June 2014 – pursuant to Art. 8 (L152/5). Thus, implementation of level 1 regarding deliveries within the EU (valid as of 1 July 2015) is binding for transformer manufacturers. The decisive element for “putting into circulation” in this context is the so-called “transfer of ownership” – see Official Journal of the European Union L285/16, Art. 3(1).

Based on more than 30 years’ experience in the construction of cast resin transformers, the SGB-SMIT Group was able to adapt its cast resin transformers to the requirements of the Regulation without foregoing the proven quality features and the extraordinary reliability of its transformers.

The following tables contain the new technical data for a small range of the most common types of our cast resin transformers. The Tables of technical data listed in our brochure GTT-02-GB-2014 will no longer be applicable as of 1 July 2015.

Of course, we will be able to react to individual customers’ requirements at any time and even implement alternative power ratings in conformity with EU legal requirements.

For this reason, we are already commencing production of customized cast resin transformers of all power ratings as of 50 kVA up to 25 MVA in proven SGB quality based on EU legislation!

We will be pleased to advise you on specific applications and to support you in your project as early as from the planning stage.
The following applies regarding the Tables shown here:

- $L_{WA}$ acc. to DIN EN 50541-1
- Design of transformers for operation in rooms: IP00
- Dimensions and weights may differ depending on design
- Specified sound levels apply for AN operation (at no load).
- Transformer design acc. to IEC 60076-11

We will be pleased to offer you further models according to your specific application requirements.

### Transformers acc. to ECO design ($U_m \leq 12$ kV)

<table>
<thead>
<tr>
<th>Type</th>
<th>S [kVA]</th>
<th>$U_s$ [%]</th>
<th>max. $P_{S,120\degree C}$ W</th>
<th>max. $P_s$ W</th>
<th>Loss class</th>
<th>max. $I_{NS}$ dB (A)</th>
<th>Length (ca.) mm</th>
<th>Width (ca.) mm</th>
<th>Height (ca.) mm</th>
<th>Caster spacing mm</th>
<th>Total weight (ca.) kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTTH1N</td>
<td>400/10</td>
<td>400</td>
<td>5500</td>
<td>750</td>
<td>Bk A0</td>
<td>1210</td>
<td>820</td>
<td>1770</td>
<td>1350</td>
<td>1910</td>
<td>670</td>
</tr>
<tr>
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<td>400</td>
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<td>750</td>
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<td>1690</td>
<td>1600</td>
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<td>670</td>
</tr>
<tr>
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<td>1990</td>
<td>670</td>
</tr>
<tr>
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<td>7600</td>
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<td>2110</td>
<td>1950</td>
<td>2170</td>
<td>670</td>
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### Transformers acc. to ECO design ($U_m \leq 24$ kV)

<table>
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<th>Type</th>
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<th>$U_s$ [%]</th>
<th>max. $P_{S,120\degree C}$ W</th>
<th>max. $P_s$ W</th>
<th>Loss class</th>
<th>max. $I_{NS}$ dB (A)</th>
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