Dry type transformer data

This transformer data card is designed to provide a handy reference for those who need to select and apply dry type transformers.

Minimum data needed to select a transformer

- Load voltage (secondary voltage)
- Load requirement
  - Three-phase (three wire or four wire)
  - Single-phase (two wire or three wire)
    (load always determines phase of transformer)
- Load current (use table to convert to kVA or formula)
  - Single-phase formula: Volts x Current = VA
  - Three-phase formula: Volts x Current x \sqrt{3}
- System voltage and frequency (primary voltage)
- Mounting location

Specific applications:

- Feeding distribution panel
  - Energy efficient transformer
  - www.us.squared.com/eexfmr
- Feeding distribution panel with harmonic content
  - Non-linear energy efficient transformer
- Feeding multiple distribution panels with harmonic content
  - Harmonic mitigation energy efficient transformers
- Small change in voltage
  - Use buck and boost transformer
  - www.us.squared.com/buckboost

Schneider Electric will build most special dry type transformers that your application requires.
### Single-phase transformers

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<th>KVA Rating</th>
<th>120 V</th>
<th>240 V</th>
<th>480 V</th>
<th>600 V</th>
<th>2400 V</th>
<th>4160 V</th>
<th>4800 V</th>
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### Three-phase transformers

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Note: Voltages are line to line.