

SEISMIC QUALIFIED TRANSFORMERS

Pioneer transformers tested for latest requirements

Many construction projects and their components are now required to be "seismic qualified." Places like healthcare facilities, emergency response locations (fire stations, police stations) and other critical government facilities may also be required to be "seismic qualified." A seismic qualification ensures the component will withstand and operate after an earthquake.

In order to verify our seismic qualifications, our transformers went through rigorous testing meeting the International Building Code (2015 IBC) and the California Building Code (2016 CBC) requirements. Each test was passed in accordance with ICC-ES AC156 seismic qualifications.

Single & Three-Phase Encapsulated

- Wall mount 1 kVA to 25 kVA
- Floor mount 3 kVA to 75 kVA
- NEMA 3R enclosures
- $S_{DS}=2.00g$; $z/h = 1.00$; $I_p = 1.5$

Single-Phase Ventilated

- Floor mount 1 kVA to 333 kVA
- NEMA 1 or 3R enclosures
- $S_{DS}=2.00g$; $z/h = 1.00$; $I_p = 1.5$

Three-Phase Ventilated

- Floor mount 1 kVA to 1,000 kVA
- NEMA 1 or 3R enclosures
- $S_{DS}=2.00g$; $z/h = 1.00$; $I_p = 1.5$

Totally Enclosed Non Ventilated

- Floor Mount, Single-Phase 1 kVA to 250 kVA
- Floor Mount, Three-Phase 1 kVA to 500 kVA
- NEMA 3R Enclosures
- $S_{DS}=2.00g$; $z/h = 1.00$; $I_p = 1.5$



As required by the California Office of Statewide Planning and Development (OSHPD), seismic testing must be completed by an independent laboratory. Jefferson Electric chose Tobolski Watkins Engineering Inc. for testing. Results are filed with OSHPD per OSP-0109-10. The product nameplate on qualified products will show the following information:



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