



Mastering the transformation of electrical energy

**Entergy
Nelson Thermal Plant
700 MVA – 230 / 19 kV – Three phase**



MAIN DATA

- **Type** : Generator Step-Up Transformer
- **Technology** : Shell type
- **Number of phases** : 3
- **Applicable standards** : ANSI
- **Frequency** : 60 Hz
- **Cooling System** : ODAF
- **Type of regulation** : De-energized tap changer HV neutral side

	Rated Voltage	Power rating	Connection
High voltage	230 kV	700 MVA	Wye
Low voltage	19 kV	700 MVA	Delta
		HV	Neutral
			LV
Power frequency test voltage	240 kV	50 kV	-
Full wave impulse test voltage	825 kV	150 kV	150 kV
Chopped wave impulse test voltage	905 kV	-	-
Switching surge test voltage	685 kV	-	-
Total weight	322 tons		
Untanking weight	36 tons		
Oil weight	41 tons		
Transportation weight (heaviest part)	264 tons		