



Mastering the transformation of electrical energy

A.P.S. – Arizona Public Service Pinnacle Peak

672 MVA – 525 / 230 / 34.5 kV – Three phase



MAIN DATA

- **Type** : Autotransformer
- **Technology** : Shell type
- **Number of phases** : 3
- **Applicable standards** : ANSI
- **Frequency** : 60 Hz
- **Cooling System** : ONAN/ONAF1/ONAF2
- **Type of regulation** : On load tap changer in series winding

	Rated voltage	Power rating	Connection
High voltage	525 kV	600 MVA (55K) 672 MVA (65K)	Wye
Medium voltage	230 kV	600 MVA (55K) 672 MVA (65K)	Wye
Low voltage	34.5 kV	100 MVA	Delta

	HV	MV	Neutral	LV
Power frequency test voltage	475/550 kV	210/240 kV	-	-
Full wave impulse test voltage	1 425 kV	750 kV	150 kV	200 kV
Chopped wave impulse test voltage	1 570 kV	825 kV	-	220 kV
Switching surge test voltage	1 180 kV	620 kV	-	-

Total weight	398 tons
Untanking weight	30 tons
Oil weight	85 tons
Transportation weight (heaviest part)	256 tons