



Mastering the transformation of electrical energy

R.T.E. – Réseau de Transport d'Électricité
French national grid
600 MVA – 388 / 240 / 21 kV – Three phase



MAIN DATA

- **Type** : Autotransformer
- **Technology** : Shell type
- **Number of phases** : 3
- **Applicable standards** : IEC, RTE 76
- **Frequency** : 50 Hz
- **Cooling System** : ODAF
- **Type of regulation** : De-energized tap changer HV neutral series
- **Other data** : Connection to 400 kV Grid can be made either by means of Oil/Air bushing or SF6 bushing directly to Gas Insulated Switchgear

	Rated voltage	Power rating	Connection	
High voltage	388 kV	600 MVA	Wye	
Medium voltage	240 kV	600 MVA	Wye	
Low voltage	21 kV	65 MVA	Delta	
			HV	MV
			Neutral	LV
Power frequency test voltage	510 kV	395 kV	185 kV	50 kV
Full wave impulse test voltage	1 175 kV	950 kV	450 kV	125 kV
Chopped wave impulse test voltage	-	-	-	-
Switching surge test voltage	950 kV	-	-	-
Total weight	222 tons			
Untanking weight	19 tons			
Oil weight	36 tons			
Transportation weight (heaviest part)	170 tons			