



Mastering the transformation of electrical energy

**R.E.E. – Red Electrica de España
Torrente – Tabernas – Espluga – Manzanares
200 MVA – 400 / $\sqrt{3}$ / 230 / $\sqrt{3}$ / 24 or 26.4 or 33 kV
Single phase**



MAIN DATA

- **Type** : Autotransformer
- **Technology** : Shell type
- **Number of phases** : 1
- **Applicable standards** : IEC
- **Frequency** : 50 Hz
- **Cooling System** : ONAN/ONAF/OFAF
- **Type of regulation** : On load tap changer in series winding
- **Other data** : 3 different voltages for tertiary : 26 / 26.4 / 33 kV

	Rated voltage	Power rating	Connection
High voltage	400/ $\sqrt{3}$ kV	200 MVA	Wye
Medium voltage	230/ $\sqrt{3}$ kV	200 MVA	Wye
Low voltage	33 kV	40 MVA	Delta

	HV	MV	Neutral	LV
Power frequency test voltage	630 kV	395 kV	70 kV	70 kV
Full wave impulse test voltage	1 425 kV	950 kV	170 kV	170 kV
Switching surge test voltage	1 050 kV	-	-	-

Total weight	152 tons
Untanking weight	19 tons
Oil weight	32 tons
Transportation weight (heaviest part)	106 tons