



Mastering the transformation of electrical energy

Rio Tinto Dunkerque Aluminium Plant Regulating Transformer 90 MVA – 225 / 55 / 20 kV – Three phase



MAIN DATA

- **Type** : Regulating Transformer
- **Technology** : Shell type
- **Number of phases** : 3
- **Applicable standards** : IEC
- **Frequency** : 50 Hz
- **Cooling System** : ODAF
- **Type of regulation** : On-Load Tap Changer & De-Energized Tap Changer on MV

	Rated voltage	Power rating	Connection
High voltage	225 kV	90 MVA	Wye
Medium voltage	55 kV	90 MVA	Wye
Low voltage	20 kV	15 MVA	Delta
	HV	MV	LV
Power frequency test voltage	395 kV	140 kV	50 kV
Full wave impulse test voltage	950 kV	325 kV	125 kV
Chopped wave impulse test voltage	-	-	-
Switching surge test voltage	-	-	-
Total weight	143 tons		
Untanking weight	13 tons		
Oil weight	30 tons		
Transportation weight (heaviest part)	99 tons		