Data Sheet

Machine: Generator Manufacturer Serial number	ABB	Model WY21Z Year 2000
Rated Power 177500 kVA	Rated Frequency	50 Hz ± 2,5%
Rated Current 6832 A	Rated Voltage	15000 V ± 10%
Power factor 0,85	Number of poles	2
Number of phases 3	Number of main terminals	6
Velocity 3000 rpm	Type of excitation	Static
Cooling System air	Stator/Rotor insulation class	F/F
Protection Degree [IP55		
Unsatered direct syncronous reactance (Xd)	189%	not satured
Direct axis transient reactance at rated voltage (X'dv)		not satured
Direct axis subtransient reactance at rated voltage (X"dv)]13% not satured
Direct axis transient short-circuit time constant (t'd)	1,01 sec	3
Direct axis subtransient short-circuit time constant (t'd)	0,022 sec]
Direct axis transient opent-circuit time constant (t'd0)	9,22 sec	3
Rated Voltage Excit. Rated Current Excit. 1287 A	4WR ² of the generator Weight of the rotor	
perating hours		ast major overhaul 2009