

Configuration

Unit:	GT Conventional BST
Net:	BST = NHN 150 kV, GT = A 50 kV
FVR:	Yes
Fuel:	LC gas, HC gas, LC gas-oil, HC gas-oil
Permit Power:	599 MW

Characteristics

Power output depends on air and cooling water temperature. Therefore temperature curves are set for planning purposes.

fuel	existing curves	mean coolingw. temperature °C	mean air temperature °C	season	ctrl power		minimum tech power [MW]	tilting point [MW]	maximum tech power [MW]
					min [MW]	max [MW]			
G	NOM	15	15	Y	115	579	115	332	580
G	C1	6	3	W	115	605	115	351	605
G	C2	10	9	S/A	115	591	115	341	591
G	C3	15	15	S/A	115	580	115	332	580
G	C4	18	18	S/A	115	569	115	324	569
G	C5	21	21	S	115	557	115	314	557
O	C1	6	3	W	115	613	115	418	613
O	C2	10	9	S/A	115	609	115	409	609
O	C3	15	15	S/A	115	603	115	397	603
O	C4	18	18	S/A	115	598	115	390	598
O	C5	21	21	S	115	593	115	382	593

Properties

The calling time is the time needed for a Powerplant to come standby and is downtime dependable.

The start time is the time needed to come from standby to parallel and is also downtime dependable.

maximum down [hours]	call time [hours]	start time [hours]	minimum up [hours]	minimum down [hours]
0	0	0,25	0	0
8	0	0,25	0	0
24	0	0,25	0	0
50	0	0,25	0	0
120	0	0,25	0	0
350	1	0,25	0	0

Starttime = starttime VGT

Control Restrictions (Regelrestricties or Ramping)

Per specified call time control restrictions are given. Once a unit delivers power, for all start types maximum control restrictions apply. The maximum control restrictions are noted points in time and net power output. The maximum control restrictions are valid if the unit is ramped up to its maximum. In the ranges between the dictated points, more points can be described.

Fuel	Starting type	Power output	Max. ramp	Time restr.	Time line
G-O	OP	115	5	0	0
		155	5	0	8
		200	9,5	0	17
		300	0	30	28
		300	9,5	0	58
		580	0	0	87
		580	9,5	0	0
		300	0	30	29
		300	9,5	0	59
		200	5	0	70
155	5	0	79		
115	0	0	87		

Oil max ramp = 5 MW/min