

## Simulation Parameters

Fig.	Variable parameters			Constant parameters					Results		
	$T_S$ (°C)	$T_D$ (°C)	$V_T$ ( $m^3$ )	$T_R$ (°C)	$\dot{Q}_C$ (MW)	$T_C^0$ (°C)	$L_P$ (m)	$d_P$ (m)	$K$	$\vartheta$	$\dot{Q}_D$ (MW)
6 a)	<b>130</b>	50	0.001	40	4	70	750	0.3	<b>-2</b>	$\approx 0$	1
6 b)	<b>100</b>	50	0.001	40	4	70	750	0.3	<b>-1</b>	$\approx 0$	0.8
6 c)	<b>98</b>	50	0.001	40	4	70	750	0.3	<b>-0.933</b>	$\approx 0$	0.778
6 d)	<b>90</b>	50	0.001	40	4	70	750	0.3	<b>-0.667</b>	$\approx 0$	0.667
7 a)	130	50	<b>0.001</b>	40	4	70	750	0.3	-2	$\approx 0$	1
7 b)	130	50	<b>46</b>	40	4	70	750	0.3	-2	<b>0.86</b>	1
7 c)	130	50	<b>63</b>	40	4	70	750	0.3	-2	<b>1.19</b>	1
7 d)	130	50	<b>159</b>	40	4	70	750	0.3	-2	<b>3</b>	1
8 a)	<b>130</b>	<b>50</b>	<b>0.001</b>	40	4	70	750	0.3	<b>-2</b>	$\approx 0$	1
8 b)	<b>90</b>	<b>50</b>	<b>0.001</b>	40	4	70	750	0.3	<b>-0.667</b>	$\approx 0$	0.667
8 c)	<b>130</b>	<b>50</b>	<b>159</b>	40	4	70	750	0.3	<b>-2</b>	<b>3</b>	1
8 d)	<b>50</b>	<b>130</b>	<b>0.001</b>	40	4	70	750	0.3	<b>0.667</b>	$\approx 0$	3