

**Basic Mass Energy – Base Case**

Fuel		43372	ton/year				
Fuel		5633	kg/h	<b>Heat recovery performance</b>			
Operating hours		7700	h/year				
LHV		11.5	MJ/kg			<b>SUGIMAT</b>	
						12.8	MW
Fuel thermal power		17.99	MW			1.89128	MW
Exhaust gas flowrate		42933	Nm <sup>3</sup> /h			1.36704	MW
Portata fumi		54935.76233	kg/h	<i>AIR PREHEATER</i>		0.8288	MW
				<i>Total</i>		16.06	MW
<b>Composition</b>							
	CO <sub>2</sub>	7%		<i>Boiler Efficiency</i>		89.25%	
	H <sub>2</sub> O	7%		<i>ORC Gross Efficiency</i>		28.5%	
	N <sub>2</sub>	75%		<i>Total Efficiency</i>		25.44%	
	O <sub>2</sub>	11%					
	Total	100%					