

EXISTING BOILER. MODEL YSX 2000

IPPC DATA - (Boiler at MCR)

Figures are typical only, for a correctly installed, commissioned and operated boiler

Boiler Output (Actual)	8,000	kg/hr
Operating Pressure	0	Bar(g)
Fuel	Natural Gas	
Efficiency (Gross)	87.00%	
Volume CO ₂ (dry)	13.50%	
Flue Gas Temperature	215	°C
Flue Diameter (Internal)	606	mm
Feed Water Temperature	100	°C
Saturation Temperature	100.00	°C
Energy to heat from 100°C to 100°C	0.00	kJ/kg
hfg at 0 Bar(g)	2257	kJ/kg
Total Energy Required	18,056,000	kJ/hr

Fuel Input	0.1080	kg/s
	5.7650	MWh
Flue Gas Volume (Dry Basis)	1.0563	Nm ³ /s
	3802.77	Nm ³ /hr
Efflux Velocity at 215°C	10.63	m/s
Water Consumption *	8.00	m ³ /hr

EMISSIONS **	mg/m ³ (dry)	g/s
Particulates	41	0.04
Organic Compounds	0	0.00
Carbon Monoxide (CO)	20	0.02
Carbon Dioxide (CO ₂)	267,004	282.04
NO _x	120	0.13
SO _x	0	0.00
Water Vapour (H ₂ O)	-	279.34

* Excluding blowdown losses

** Typical Only (these are partly fuel dependent and can vary between batches of fuel)