

## Calculation of saving potential

### Input data

<b>Energy costs:</b>	Gas costs	Ct/kWh
	Electricity costs	Ct/kWh
<b>Installation capacity:</b>	Boiler capacity	kW
	Boiler efficiency	%
	Boiler type	(Steam, high temperature and hot water)
<b>frequency load profile (speed control of combustion air fan):</b>		
	Running hours at 20% burner capacity	h/a
	Running hours at 40% burner capacity	h/a
	Running hours at 60% burner capacity	h/a
	Running hours at 80% burner capacity	h/a
	Running hours at 100% burner capacity	h/a
	Alternatively: Burner running hours per year	h/a
<b>Prepurge loss according to EN 676 and TRD:</b>		
	Prepurge time of the burner	sec
	Turn-on cycles of the burner per year	1/a
	Average combustion air temperature	°C
	Average temperature of prepurge air quantity after	°C
<b>Oxygen utilization ratio according to VDI 2067:</b>		
	Combustion efficiency of a conventional boiler/burner unit	%
	Boiler stand by period	h/a
	Burner running hours	h/a
	Ratio control of conventional burners	1/x
	Boiler stand by loss	%
	Regelverhältnis bestehender Brenner	1/x
	Betriebsbereitschaftsverluste Kessel	%



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