




## Mobile Steam Heating Plants- Trailer-Mounted - Thermal Capacity - 200 kg/hour to 2000 kg/hour

A transportable boiler room is a transportable source of steam for heating and technological purposes. It serves as a transportable energy source for mobile technology applying saturated steam, or as a standby supply of saturated steam in the case of a classic steam heating plant down time. There are almost no requirements for the boiler rooms installation. The boiler rooms are supplied with a burner for liquid fuel burning. The standard modification includes a diesel generator set allowing for boiler room operation without an external supply of electricity. A steam superheater may be added to the boiler unit.

### Technical Specifications

The transportable steam boiler room is completely fitted with machinery and electrical equipment on a trailer adapted for the road. The supplied set includes the necessary pipes including supply pumps, a water treatment plant, the respective electrical installations of the measuring and control system. A diesel generator set added to the container boiler room serves for generating electricity for the boiler room operation. In the table below, the outputs up to 2 MW are included.

### Supply and Storage

The transportable boiler-room is supplied as a unit (boiler, water treatment plant, system protection, operating heavy current distribution, measuring and control) including a thermally insulated trailer case and a diesel generator set.

### Technical Parameters

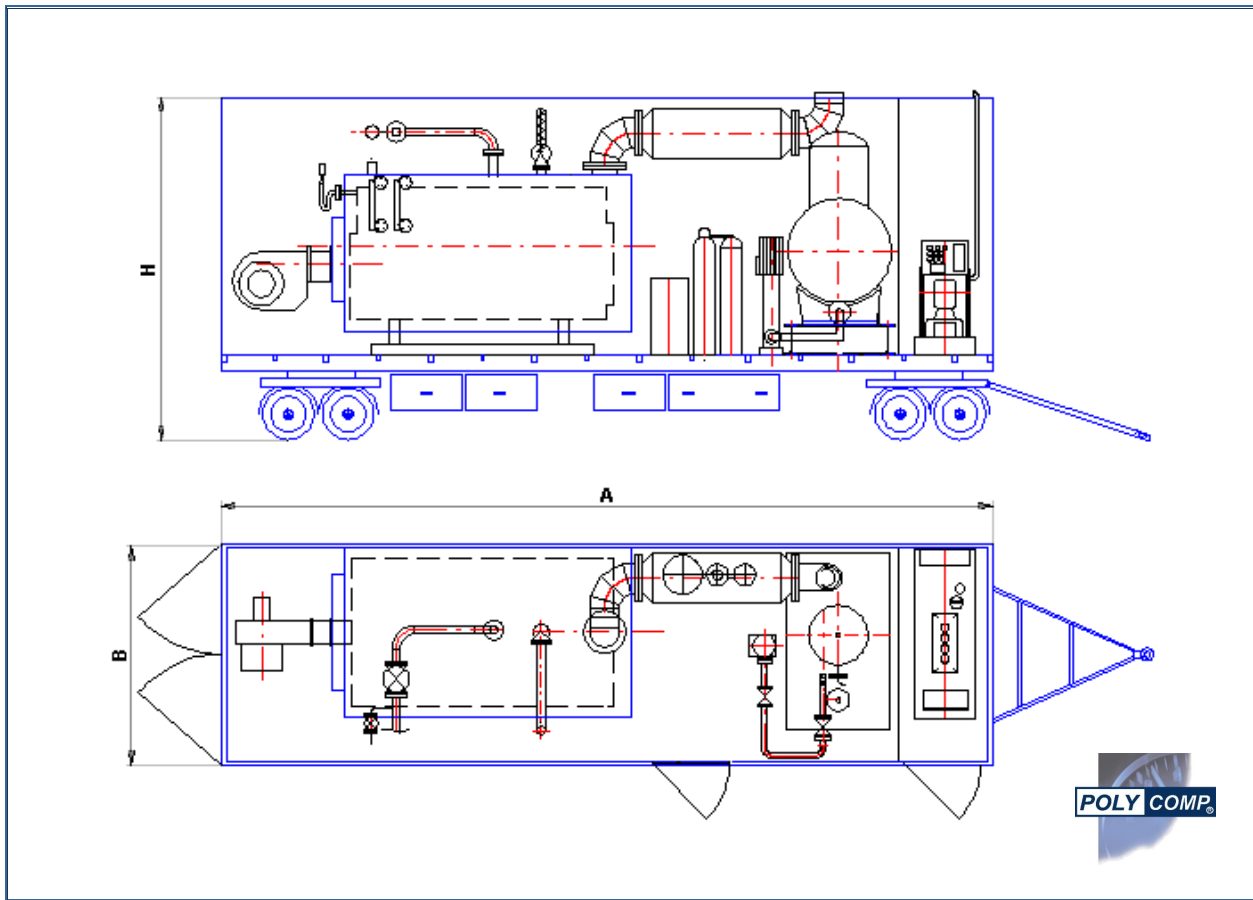
PPV-P Boiler Rooms	Units	PPV-P 200	PPV-P 600	PPV-P 1000	PPV-P 2000
Rated steam output	kg/hr	200	600	1000	2000
Maximum steam output	kg/hr	250	750	1250	2500
Nominal thermal capacity	kW	130	390	650	1306
Maximum thermal capacity	kW	163	488	800	1633
Design pressure	MPa	0,6 ; 0,9 ; 1,4 ; 1,8			
Minimum operating pressure	MPa	0,2 - 0,4			
Temperature of super-heated steam *	°C	150 - 250			
Minimum temperature of input water	°C	105 (70)			
Boiler efficiency	%	89 - 94			
Fuel	-	Fuel oil, LO, Propane			
Combustion air temperature	°C	+20			
Fuel consumption at maximum output	kg/hr	14,7	44,2	73,7	180
Max. of air for combustion (lambda=1,1)	Nm <sup>3</sup> /h	155	465,1	775,2	1903
Maximum amount of flue gases	Nm <sup>3</sup> /h	169,3	508	846,9	2102
<b>Emissions</b>					
Natural gas: - standard - low emission	mg/Nm <sup>3</sup>	NOx - 160, CO - 50 NOx - 100, CO - 50			
LO	mg/Nm <sup>3</sup>	NOx - 450, CO - 175, SO2 - 1000, solid substances - 100, smoke rate < 2			
<b>Dimensions</b>					
Length A	mm	6920	7640	8640	9040
Width B	mm	2575	2575	2575	2575
Height H	mm	3950	3950	3950	3950
<b>Technical Changes are Reserved</b>					

\* According to operating pressure

Emissions relate to 3% of O<sub>2</sub> in dry combustion products at t = 0oC and barometric pressure. The given emissions may be maintained provided that the liquid fuel contains (except for values according to CSN 65 6506) maximally: S < 5 000 mg/kg, N < 1 000 mg/kg, asphaltenes < 3 %.

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## Mobile Steam Heating Plants - Trailer-Mounted - Thermal Capacity - 200 kg/hour to 2,000 kg/hour



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