

**ANNUAL OPERATING COST OF HEAT PRODUCTION SYSTEMS  
PERFORMANCE OF HEAT PRODUCTION SYSTEMS**

In the following table we list the cost in euros for each heating system to produce one unit of thermal energy (1 kWh) and the annual heating cost of an average Greek residence (a 100 sq.m. moderate insulation in the C climate zone and annual heating needs of 20,000 kWh or 2,000 lt of oil).

	Degree			euro/kwh	Annual cost	Saving ***	
	Απόδοσης	Euro / Kgr fuel			20,000 kWh	%	€
Energy Fireplaces with air or water circulation	0,7	0,14	€/Kgr	0,040	800	71%	2000
Wood boiler	0,7	0,14	€/Kgr	0,040	800	71%	2000
Biomass boiler (Pellet)	0,85	0,26	€/Kgr	0,060	1200	57%	1600
Natural Gas Boiler	0,9	0,09	€/kWh	0,090	1800	36%	1000
Oil boiler	0,85	1,4	€/lt	0,140	2800	0%	0
Electric Boilers - Air heater	1	0,12	€/kWh*	0,120	2400	14%	400
Thermal accumulators (with night current)	1	0,1	€/kWh*	0,100	2000	29%	800
Air Cooled Heat Pumps	3,4	0,12	€/kWh*	0,035	700	75%	2100
Geothermal Heat Pumps	4,5	0,12	€/kWh*	0,027	533	81%	2267

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\* With the condition of night current

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\*\* Residence with heating needs of 20000kwh or 2000 liters of oil

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\*\*\* Instead of oil