

ENERGY ANALYSIS FOR EXISTING AIR CONDITIONING SYSTEM							
EXISTING SYSTEM							
Month	Thermal energy (KWHx1000)	Fuel thermal energy (KWHx1000)	Boiler room LPG cost (€)	Cooling energy (KWHx1000)	Electric consumption for cooling (KWHx1000)	Electric cost for cooling (€)	Air conditioning energy cost (€)
January	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0
March	690	812	56.824	0	0	0	56.824
April	710	835	58.471	0	0	0	58.471
May	930	1094	76.588	930	163	16.316	92.904
June	1100	1294	90.588	1570	275	27.544	118.132
July	1020	1200	84.000	2640	463	46.316	130.316
August	1040	1224	85.647	2600	456	45.614	131.261
September	1020	1200	84.000	1780	312	31.228	115.228
October	720	847	59.294	720	126	12.632	71.926
November	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0
Total	7.230	8.506	595.412	10.240	1.796	179.649	775.061

Annual operating cost of boilers and water-cool chillers :

$$595.412€ + 179.649€ = 775.061€$$

Existing System Air Conditioning Energy Cost

