

## COST OF ENERGY COMPARISON: COLOR LASER vs SOLID INK vs MEMJET

KW € 0,25  
 Days printer is left on 365

updated: 6-dic 2011 by M.Battistich

	DIFFERENT ENERGY MODES				
	TOTAL	Warming up	Stand By	Printing	Night mode (energy star)
% of time in each state	100,0%	0,5%	32,5%	2%	65%
Hours printer on during 1 year	8760	44	2847	175	5694
Daily minutes printer on		7	468	29	936

<b>A4 Color Laser printer</b>	WATTS (instant)		1300	190	1300	45	<b>Kwh USED PER YEAR</b>
(ex: Xerox Phaser 6360N)	Kw / Yr		56,94 Kwh	540,93 Kwh	227,76 Kwh	256,23 Kwh	<b>1082</b>
Real life speed, enh mode: 22 ppm							<b>ENERGY COST / YEAR</b>
Cost of printer: aprox €950	COSTS		€ 14,24	€ 135,23	€ 56,94	€ 64,06	<b>€ 270</b>

<b>A4 Solid Ink printer</b>	WATTS		1250	180	400	43	<b>Kwh USED PER YEAR</b>
(ex: Xerox ColorQube 8570)	Kw / Yr		54,75 Kwh	512,46 Kwh	70,08 Kwh	244,842 Kwh	<b>882</b>
Real life speed, enh mode: 20 ppm							<b>ENERGY COST / YEAR</b>
Cost of printer: aprox €530	COSTS		€ 13,69	€ 128,12	€ 17,52	€ 61,21	<b>€ 221</b>

<b>A6 Sublimation printer</b>	WATTS		374	220	374	220	<b>Kwh USED PER YEAR</b>
(ex: Sony UP-D25MD)	Kw / Yr		16,3812 Kwh	626,34 Kwh	65,5248 Kwh	1252,68 Kwh	<b>1961</b>
Real life speed, enh mode:1 A6 / 30 sec							<b>ENERGY COST / YEAR</b>
Cost of printer: aprox €2200	COSTS		€ 4,10	€ 156,59	€ 16,38	€ 313,17	<b>€ 490</b>

<b>A6 Thermal Transfer BW printer</b>	WATTS		330	176	330	176	<b>Kwh USED PER YEAR</b>
(ex: Sony UP-D25MD)	Kw / Yr		14,454 Kwh	501,072 Kwh	57,816 Kwh	1002,144 Kwh	<b>1575</b>
Real life speed, enh mode:1 A6 / 30 sec							<b>ENERGY COST / YEAR</b>
Cost of printer: aprox €2200	COSTS		€ 3,61	€ 125,27	€ 14,45	€ 250,54	<b>€ 394</b>

<b>A4 Memjet printer</b>	WATTS		3,8	3,8	34	3,8	<b>Kwh USED PER YEAR</b>
(ex: Lomond Evojet Office K2)	Kw / Yr		0,16644 Kw	10,8186 Kw	5,9568 Kw	21,6372 Kw	<b>39</b>
Real life speed, 1600x800 dpi: 60 ppm							<b>ENERGY COST / YEAR</b>
Cost of printer: aprox €890	COSTS		€ 0,04	€ 2,70	€ 1,49	€ 5,41	<b>€ 10</b>

<b>SAVINGS PER YEAR VS LASER</b>	<b>96,4%</b>	<b>€ 261</b>
<b>SAVINGS PER YEAR VS SOLID INK</b>	<b>95,6%</b>	<b>€ 211</b>