

# Topten laser printers

## Guidelines for Frontrunner Public Procurers



Photo courtesy of silicon.com

### What is Topten?

Topten is a European web portal helping buyers to find **the most energy efficient products available in Europe**.

The laser printers displayed on [www.topten.info](http://www.topten.info) all meet the criteria contained in these guidelines. So procurers can ascertain that there is a sufficient range of products available on the market.

On [www.topten.eu](http://www.topten.eu) you'll also find links to national topten sites of a large number of European countries.

The European Commission's [GPP website](#) also contains valuable legal and practical guidance together with procurement criteria for a range of commonly procured products and services.

<b>Product group covered:</b>	All laser printers, both colour and monochrome
<b>Product availability:</b>	All products listed at <a href="http://www.topten.eu">www.topten.eu</a> meet the criteria listed below
<b>Potential energy savings:<sup>1</sup></b>	The energy consumption of a laser printer is mostly determined by the printing speed. However the energy consumption of products with similar printing speeds can still vary considerably – an energy efficient model may consume as little as <b>one third of the energy</b> an inefficient model uses.
<b>Potential cost savings:<sup>1</sup></b>	<p>Topten laser printers with the same printing speed as inefficient models can achieve savings in electricity costs of up to €200 over 5 years.</p> <p>Having slightly slower laser printers can make huge savings in energy costs. A Topten colour laser printer with a speed of 24 ppm (pages per minute) consumes €63 worth of electricity in 5 years. An inefficient model with a speed of 47 ppm consumes the equivalent of €387– <b>so savings of €324 per machine are possible.</b><sup>2</sup></p>

<sup>1</sup> These represent rough figures comparing the best product currently available, with an inefficient model – see [www.topten.eu](http://www.topten.eu) for more details.

<sup>2</sup> Based on an electricity price of €0.15/kWh

## Procurement criteria – Updated: December 2011

The following criteria can be inserted directly into tendering documents. The specifications are updated continuously. The newest versions are always available at [www.topten.eu](http://www.topten.eu).

<b>Technical specifications:</b>	1. Products must meet the latest criteria of the ENERGY STAR Programme Requirements for Imaging Equipment.					
	<i>Verification:</i> Products carrying the ENERGY STAR label will be deemed to comply. Alternatively, bidders may demonstrate compliance with the above requirements by another objective third-party means or by supplying test results in respect of their product demonstrating that the criteria are met.					
	2. Products must not exceed the following maximum TEC (Typical Energy Consumption):					
	<b>Max. TEC (kWh/week)</b>			<b>Max. TEC (kWh/week)</b>		
	<b>Speed (ppm)</b>	<b>b/w</b>	<b>colour</b>	<b>Speed (ppm)</b>	<b>b/w</b>	<b>colour</b>
	4	0.60	1.60	31	1.56	2.95
	5	0.60	1.65	32	1.62	3.00
	6	0.60	1.70	33	1.68	3.18
	7	0.60	1.75	34	1.74	3.35
	8	0.60	1.80	35	1.80	3.53
	9	0.60	1.85	36	1.86	3.70
	10	0.60	1.90	37	1.92	3.88
	11	0.60	1.95	38	1.98	4.05
	12	0.60	2.00	39	2.04	4.23
	13	0.60	2.05	40	2.10	4.40
	14	0.60	2.10	41	2.43	4.58
	15	0.60	2.15	42	2.64	4.75
	16	0.66	2.20	43	2.85	4.93
	17	0.72	2.25	44	3.06	5.10
	18	0.78	2.30	<b>45 - 100</b>		
	19	0.84	2.35	45	3.27	5.28
	20	0.90	2.40	50	4.32	6.15
	21	0.96	2.45	55	5.37	7.03
	22	1.02	2.50	60	6.42	8.00
	23	1.08	2.55	65	7.47	9.75
	24	1.14	2.60	70	8.52	11.50
	25	1.20	2.65	75	9.57	13.25
	26	1.26	2.70	80	10.62	15.00
	27	1.32	2.75	85	12.30	16.75
	28	1.38	2.80	90	14.40	18.50
	29	1.44	2.85	95	16.50	20.25
	30	1.50	2.90	100	18.60	22.00
	<i>Verification:</i> Bidders must supply test results demonstrating that these requirements are met according to the methodology set out in the ENERGY STAR Programme Requirements for Imaging Equipment (Version 1.1).					
<b>Award criteria (optional):</b>	X% of the total marks available will be given to products equipped with an automatic double-sided copying function (duplex unit).					

### Notes on implementation

- TEC values recommended in specification 2 above are 40% – 50% lower than required by ENERGY STAR Programme Requirements for Imaging Equipment (Version 1.1). For details see Topten selection criteria: [://www.topten.eu/english/criteria/selection\\_criteria\\_laser\\_new.html](http://www.topten.eu/english/criteria/selection_criteria_laser_new.html)
- Duplex printing: Printing double-sided can save even more energy than choosing an energy efficient laser printer. The production of paper consumes a considerable amount of energy, therefore reducing paper consumption by printing on both sides contributes to energy saving.
- Using award/evaluation criteria: The exact model used for evaluating compliant tender bids will vary from authority to authority. If you apply this criterion however, it should be given a significant weighting (at least 10-15%) in the evaluation scheme.

### Advice and support

If you would like further assistance in using the information presented here in your own procurement actions or more information on Topten Pro please contact the Procura+ team at:

[Procurement@iclei.org](mailto:Procurement@iclei.org)

+49 761 368 9244

An expression of interest form is also available on [www.topten.eu/pro](http://www.topten.eu/pro) for public authorities who would like support to apply these criteria in an upcoming procurement process.



#### What is Procura+?

Procura+ is an initiative designed to help support public authorities in implementing Sustainable Procurement. The campaign is run by ICLEI – Local Governments for Sustainability – and is the Topten partner for public authorities.

[www.procuraplus.org](http://www.procuraplus.org)