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 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.info you'll also find links to national topten sites of a large number of European countries. www.topten.info

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.

Product group covered:	All laser printers, both colour and monochrome
Product availability:	All products listed at www.topten.info meet the criteria listed below
Potential energy savings:[1]	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 **one third of the energy** an inefficient model uses.
Potential cost savings:[1]	Topten laser printers with the same printing speed as inefficient models can achieve savings in electricity costs of up to €200 over 5 years. Having slightly slower laser printers can make huge savings in energy costs. A Topten monochrome laser printer with a speed of 50 ppm (pages per minute) consumes electricity for €157 in 5 years. An inefficient model with a speed of 85 ppm consumes the equivalent of €1,091 – **a saving of €934**[2]**.**

[1] These represent rough figures comparing the best product currently available, with an inefficient model – see www.topten.info for more details.
[2] Based on an electricity price of €0.15/kWh

Procurement criteria – Updated: March 2010

The following criteria can be inserted directly into tendering documents. The specifications are updated continuously. The newest versions are always available at www.topten.info .

Technical specifications:

1. Products must meet the latest criteria of the ENERGY STAR Programme Requirements for Imaging Equipment.

   Verification: 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):

Speed (ppm)	Max. TEC (kWh/week) b/w	Max. TEC (kWh/week) colour	Speed (ppm)	Max. TEC (kWh/week) b/w	Max. TEC (kWh/week) colour
4	0.85	1.92	**31**	2.34	4.43
5	0.85	1.98	**32**	2.43	4.50
6	0.85	2.04	**33**	2.52	4.76
7	0.85	2.10	**34**	2.61	5.03
8	0.85	2.16	**35**	2.70	5.29
9	0.85	2.22	**36**	2.79	5.55
10	0.85	2.28	**37**	2.88	5.81
11	0.85	2.34	**38**	2.97	6.08
12	0.85	2.40	**39**	3.06	6.34
13	0.85	2.46	**40**	3.15	6.60
14	0.85	2.52	**41**	3.65	6.86
15	0.85	2.58	**42**	3.96	7.13
16	0.94	2.64	**43**	4.28	7.39
17	1.02	2.70	**44**	4.59	7.65
18	1.11	2.76	**45 - 100**		
19	1.19	2.82	**45**	4.91	7.91
20	1.28	2.88	**50**	6.48	9.23
21	1.36	3.68	**55**	8.06	10.54
22	1.45	3.75	**60**	9.63	12.00
23	1.53	3.83	**65**	11.21	14.63
24	1.62	3.90	**70**	12.78	17.25
25	1.70	3.98	**75**	14.36	19.88
26	1.79	4.05	**80**	15.93	22.50
27	1.87	4.13	**85**	18.45	25.13
28	1.96	4.20	**90**	21.60	27.75
29	2.04	4.28	**95**	24.75	30.38
30	2.13	4.35	**100**	27.90	33.00

   Verification: 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).

Award/evaluation criteria (optional): 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 10% – 40% lower than required by ENERGY STAR Programme Requirements for Imaging Equipment (Version 1.1). For details see Topten selection criteria: http://www.topten.info/index.php?page=selection_criteria_laser_new&fromid=186 .
- 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

+49 761 368 9244

An expression of interest form is also available on www.topten.info/pro for public authorities who wo support to apply these criteria in an upcoming procurement process.

Procura+ Sustainable Procurement Campaign

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.