

**ISO/IEC 24734 Printing Productivity Report: Office Category**  
**FDIS ISO/IEC 29183 Copying Productivity Report**

**Full Detailed Test Reports**  
**HP Photosmart 5510 e-All-in-One Printer B111a**

**Printing device and test settings**

Test Start Date and Time	30 May 2011 4:00:30 May 2011 4:00pm
Tester	SAFIAH
Machine product number	B111a
Machine name/model	HP Photosmart 5510 e-All-in-One Printer
FW Version	EDM2CN1121AR
Colour or B&W	Color
Temperature and humidity	24 degrees C, 60%
Voltage	240 volts AC
Test End Date and Time	03 June 2011 1:30:03 June 2011 1:30pm

Modes and Settings	Item	Value
Modes and Settings	Driver version	PSS510_554
	Media / Quality Setting	Default / Default
	Simplex B&W settings	Driver was set to "print in grayscale, black ink only"
	Duplex B&W settings	N.A.
Paper Path	Setting N set count	Application
	Collating function	No
	Paper sending direction	Default
	Paper size setting	Default
Paper	Paper feeding	Standard cassette
	Paper tray	Standard exit tray
	Output orientation	Default (face up)
	Duplexing ADF Unit	No
	Duplexing Print Unit	Yes
	Paper Manufacturer	HP
Paper	Weight	22lb
	Size	8.5 x 11"
	Paper type/name	HP All-in-One Colorok

**Summary Reports**

ISO/IEC 24734		FSOT (seconds)	ESAT (ipm)
Color	Single Sided	40	7.5
	Two Sided	60	4
B&W	Single Sided	30	11
	Two Sided	53	5

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) For Simplex B&W results, Driver was set to "print in grayscale, black ink only"  
 3) For Duplex B&W results, N.A.

FDIS ISO/IEC 29183		FCOT (seconds)	SESAT (ipm)
Color		19	5.5
	B&W	15	4.5

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) Copy speed is limited to a maximum of 4.5 ppm for Belgium

**Full Reports**

ISO/IEC 24734	Office Category	FSOT (sec)	EFTP (ipm)			sESAT (ipm)
			1 Set	1 Set+ 30 seconds	1 Set+ 4 Minutes	
Color	Single Sided	PDF (# sets)	43.80	5.47	5.99	6.52
		Word (# sets)	27.88	8.60	10.59	11.80
		Excel (# sets)	46.76	5.13	5.76	6.32
	Average	40	6	7	7.5	
	Two Sided	PDF (# sets)	63.78	3.76	3.89	4.05
		Word (# sets)	48.54	4.94	5.25	5.41
Excel (# sets)		65.35	3.67	3.83	4.02	
Average	60	4	4	4		
B&W	Single Sided	PDF (# sets)	30.71	7.81	9.64	10.68
		Word (# sets)	25.82	9.29	11.93	13.32
		Excel (# sets)	32.82	7.31	8.99	9.97
	Average	30	8	10	11	
	Two Sided	PDF (# sets)	55.78	4.30	4.51	4.64
		Word (# sets)	44.19	5.43	5.74	5.92
Excel (# sets)		56.35	4.25	4.52	4.65	
Average	53	4	4	5		

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) For Simplex B&W results, Driver was set to "print in grayscale, black ink only"  
 3) For Duplex B&W results, N.A.

FDIS ISO/IEC 29183	Page	FCOT (sec)	sEFTP (ipm)			sESAT (ipm)
			1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	
Color	Page 1 (# copies)	17.87	3.35	5.44	6.13	6.43
	Page 2 (# copies)	17.72	3.38	7.40	9.28	9.28
	Page 3 (# copies)	17.55	3.42	5.47	6.47	6.47
	Page 4 (# copies)	18.93	3.17	3.00	2.93	2.93
	Average (# copies)	19	3	4	5.5	5.5
Black	Page 1 (# copies)	15.23	3.93	4.18	4.31	4.27
	Page 2 (# copies)	12.48	4.81	5.89	6.09	6.09
	Page 3 (# copies)	14.13	4.24	4.76	4.89	4.89
	Page 4 (# copies)	17.23	3.48	3.71	3.82	3.82
	Average (# copies)	15	4	4	4.5	4.5

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) Copy speed is limited to a maximum of 4.5 ppm for Belgium

**Test system parameters**

	Item	Value
Test System	Computer	HP dv9812us Notebook PC
	Processor	AMD Turion TL-60 2.0 GHz, 1 MB L2 cache
	System Chip Set	Northbridge/Southbridge: nvidia MCP57M
	System Board	Standard system devices, default system BIOS
	System Memory	3GB PC2-5300 DDR2 SDRAM
	Hard Drive subsystem	Western Digital WD2500BEVS 250 GB
	Video subsystem	NVIDIA GeForce 7150M
	Optical Drive	Panasonic/Hewlett-Packard, DVD±RW and CD-RW
	IO subsystem	Built in
	USB subsystem	USB 2.0
I/O	USB	USB 2.0
	Software	Operating System: Microsoft Windows Vista Home Premium SP1 Printing Applications: Microsoft Office Word 2007 Microsoft Office Excel 2007 Adobe Reader 8.1.0
Test Files and location	Office Category files, hard drive	