

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

Full Detailed Test Reports
 HP ENVY 4520 Series All-in-One

Printing device and test settings

Test Start Date and Time	02/13/15	1:00:00 PM
Tester	Sallah	
Machine product number	F0V63A	
Machine name/model	HP ENVY 4520 All-in-One Printer	
F.W. Version	CPM11N1507R	
Colour or B&W	Colour	
Temperature and humidity	23C, 50%	
Voltage	115 VAC	
Test End Date and Time	02/17/15	5:00:00 PM

	Item	Value
Modes and Settings	Driver version	EN4520_S5
	Media / Quality Setting	Default / Default
	Simplex B&W settings	Driver was set to "print in grayscale, black ink only"
	Duplex B&W settings	Driver was set to "print in grayscale, black ink only"
Paper Path	Setting N set count	Application
	Collating function	No
	Paper sending direction	Default
	Paper size setting	Default
	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	72lb
	Size	A4
	Paper type/name	HP Office Paper

Summary Reports

ISO/IEC 24734		FSOT (seconds)	ESAT (ipm)
Color	Single Sided	51	6.8
	Two Sided	81	3
B&W	Single Sided	38	9.5
	Two Sided	72	3

Notes: 1) ipm = Images Per Minute and is equivalent to gpm 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, Driver was set to "print in grayscale, black ink only"
 4) Scale content for A4 pr 8.5x11 paper sizes set to off for Word and Excel

FDIS ISO/IEC 29183		FCOT (seconds)	sESAT (ipm)
Color		28	4
	B&W	18	7.5

Notes: 1) ipm = Images Per Minute and is equivalent to gpm or Pages Per Minute
 2) Copy speed is limited to a maximum of 5 ppm for Belgium

Full Reports

ISO/IEC 24734	Office Category	FCOT (sec)	sEFTP (ipm)			sESAT (ipm)	
			1 Set	1 Set+ 30 seconds	1 Set+ 4 Minutes		
Color	Single Sided	PDF (# sets)	58.16	4.12	4.64	5.01	5.32
		Word (# sets)	33.39				10.71
		Excel (# sets)	60.62				4.81
		Average	51				6.8
		PDF (# sets)	95.28	2.51	2.63		2.81
	Two Sided	Word (# sets)	53.35				5.34
		Excel (# sets)	93.14				2.88
		Average	81				3
		PDF (# sets)	42.21	5.68	7.00	7.66	7.98
		Word (# sets)	29.64				12.86
B&W	Single Sided	Excel (# sets)	41.50				7.98
		Average	38				9.5
		PDF (# sets)	81.08	2.96	3.21		3.37
		Word (# sets)	60.61				4.67
		Excel (# sets)	74.30				3.72
	Two Sided	Average	72				3

Notes: 1) ipm = Images Per Minute and is equivalent to gpm 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, Driver was set to "print in grayscale, black ink only"
 4) Scale content for A4 pr 8.5x11 paper sizes set to off for Word and Excel

FDIS ISO/IEC 29183		FCOT (sec)	sEFTP (ipm)			sESAT (ipm)
			1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	
Color	Page 1 (# copies)	27.76	2.16	2.96	3.55	3.78
		24.46	2.45	4.66		6.13
		25.94	2.31	3.37		4.00
		29.86	2.01	2.58		3.06
		Average	26	2	3	3
	Page 2 (# copies)	17.52	3.42	5.91	6.74	7.03
		13.77	4.35	8.59		10.45
		15.90	3.77	6.61		7.98
		19.05	3.15	4.72		5.70
		Average	18	3	6	6

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Test system parameters

	Item	Value
Test System	Computer	HP dv6812us Notebook PC
	Processor	AMD Turion TL-60 2.0 GHz, 1 MB L2 cache
	System Chip Set	Nvidia/Southbridge: Nvidia MCP7M
	System Board	Standard system device, default system BIOS
	System Memory	3GB PC2-4300 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
Software	Printer Connection	USB 2.0
	Operating System	Microsoft Windows 7 Professional 64-bit SP1
	Printing Applications	Microsoft Office Word 2010 32-bit SP1 Microsoft Office Excel 2010 32-bit SP1
	Test Files and location	Office Category files, hard drive