

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

Full Detailed Test Reports
 HP ENVY 110 e-All-in-One Printer D411a

Printing device and test settings	
Test Start Date and Time	13 Jun 2011 11:13 Jun 2011 11:30am
Tester	Safiah
Machine product number	D411a
Machine name/model	HP ENVY 110 e-All-in-One Printer
FW Version	SEP1GA1123AR
Colour or B&W	Color
Temperature and humidity	24 degrees C, 60%
Voltage	240 volts AC
Test End Date and Time	15 Jun 2011 5:0015 Jun 2011 5:00pm

Modes and Settings	Item	Value
Modes and Settings	Driver version	LS110 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
	Collation function	NO
	Paper sending direction	Default
	Paper size setting	Default
Paper	Paper feeding	Standard cassette
	Paper oval	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	68	4
	Two Sided	82	3
B&W	Single Sided	45	7
	Two Sided	60	4

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		30	3.5
B&W		19	6

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

Full Reports							
ISO/IEC 24734		Office Category	EFTP (ipm)				sESAT (ipm)
		FSOT (sec)	1 Set	1 Set+ 30 seconds	1 Set+ 4 Minutes		
Color	Single Sided	PDF (# sets)	75.45	3.18	3.34	3.53	3.64
		Word (# sets)	44.57	5.38	6.39	2	7.08
		Excel (# sets)	81.25	2.95	3.14	3	3.41
	Average		68	3	4	2	4
	Two Sided	PDF (# sets)	90.23	2.65	2.80	2	2.97
		Word (# sets)	60.13	3.99	4.47	3	4.76
Excel (# sets)		94.81	2.53	2.67	2	2.84	
Average		82	3	3	2	3	
B&W	Single Sided	PDF (# sets)	46.69	5.14	5.77	6.41	6.70
		Word (# sets)	36.97	6.49	7.95	2	9.00
		Excel (# sets)	49.13	4.88	5.49	3	6.35
	Average		45	5	6	2	7
	Two Sided	PDF (# sets)	63.15	3.80	4.11	2	4.50
		Word (# sets)	48.22	4.97	5.68	3	6.13
Excel (# sets)		66.26	3.62	3.92	2	4.31	
Average		60	4	4	2	4	

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 (sec)	sEFTP (ipm)			sESAT (ipm)
			1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	
Color	Page 1 (# copies)	28.87	2.07	2.92	3.33	3.44
	Page 2 (# copies)	26.27	2.28	4.43	4	5.83
	Page 3 (# copies)	28.06	2.13	3.13	4	3.77
	Page 4 (# copies)	36.49	1.64	1.79	3	2.09
	Average	30	2	3	3	3.5
Black	Page 1 (# copies)	19.58	3.06	5.14	5.77	6.24
	Page 2 (# copies)	17.27	3.47	6.29	6	7.57
	Page 3 (# copies)	18.76	3.19	5.16	5	6.21
	Page 4 (# copies)	20.24	2.96	4.78	5	5.67
	Average	19	3	5	5	6

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute
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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 MCP67M
	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
	Operating System	Microsoft Windows Vista Home Premium SP1
Software	Printing Applications	Microsoft Office Word 2007
		Microsoft Office Excel 2007
		Adobe Reader 8.1.0
	Test Files and location	Office Category files, hard drive