

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

**Full Detailed Test Reports**  
**HP Deskjet Ink Advantage 2540 AIO Printer Series**

**Printing device and test settings**

Test Start Date and Time	02/13/2013 03:00:02/13/2013 03:00PM
Tester	Safiah
Machine product number	ASU23A
Machine name/model	HP Deskjet 2540
FW Version	CEM1FN1306ER
Colour or B&W	Color
Temperature and humidity	23C, 50%
Voltage	115 VAC
Test End Date and Time	02/18/2013 11:30:02/18/2013 11:30AM

Modes and Settings	Item	Value
Modes and Settings	Driver version	DJ2540_1090
	Media / Quality Settings	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 exit	Standard exit tray
	Output orientation	Default (face up)
	Duplexing ADF Unit	No
	Duplexing Print Unit	No
	Paper Manufacture	HP
Paper	Weight	22lb
	Size	A4
	Paper type/name	HP Everyday Paper

**Summary Reports**

ISO/IEC 24734	Color	FSOT (seconds)	ESAT (ipm)
Color	Single Sided	72	4
	Two Sided	N/A	N/A
B&W	Single Sided	44	7
	Two Sided	N/A	N/A

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  
 4) Scale content for A4 pt 8.5x11 paper sizes set to off for Word and Excel

FDIS ISO/IEC 29183	Color	FCOT (seconds)	sESAT (ipm)
Color	Color	30	3
	B&W	18	4.5

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute

**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)	82.92	2.89	3.02	2.88	3.22
		Word (# sets)	44.30				6.53
		Excel (# sets)	85.99				3.14
		Average	72				4
	Two Sided	PDF (# sets)	N/A	N/A	N/A		N/A
		Word (# sets)	N/A				N/A
		Excel (# sets)	N/A				N/A
		Average	N/A				N/A
B&W	Single Sided	PDF (# sets)	48.28	4.97	5.46	5.03	6.11
		Word (# sets)	33.92				8.90
		Excel (# sets)	49.18				5.98
		Average	44				7
	Two Sided	PDF (# sets)	N/A	N/A	N/A		N/A
		Word (# sets)	N/A				N/A
		Excel (# sets)	N/A				N/A
		Average	N/A				N/A

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  
 4) Scale content for A4 pt 8.5x11 paper sizes set to off for Word and Excel

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)	29.31	2.04	2.50	N/A	2.89
	Page 2 (# copies)	22.66	2.64	4.22		5.71
	Page 3 (# copies)	25.81	2.32	2.66		3.08
	Page 4 (# copies)	36.46	1.64	1.64		1.91
	Average (# copies)	30	4	2		3
Black	Page 1 (# copies)	18.34	3.27	3.79	N/A	4.34
	Page 2 (# copies)	13.48	4.45	5.44		6.44
	Page 3 (# copies)	16.45	3.64	4.27		4.92
	Page 4 (# copies)	22.27	2.69	2.80		3.09
	Average (# copies)	18	3	4		4.5

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute

**Test system parameters**

Item	Value
Computer	HP dv9812us Notebook PC
Processor	AMD Turion TL-60 2.0 GHz, 1 MB L2 cache
System Chip Set	Northernbridge/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
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
	Adobe Reader X 10.1.2
Test Files and location	Office Category files, hard drive