

ISO/IEC 24734 Printing Productivity Report: Office Category
 ISO/IEC 24735 Copying Productivity Report
 ISO/IEC 24735 Annex D Report
 Full Detailed Test Reports
 HP Deskjet 2050 J510 series

Printing device and test settings

Test Start Date and Time	March 3, 2010, 3pm
Tester	Shah Rice
Machine product number	J510a
Machine name/model	HP Deskjet 2050
FW Version	SLMFPN1006A
Colour or B&W	Color
Temperature and humidity	23C, 50%
Voltage	115 VAC
Test End Date and Time	March 4, 2010, 6pm

Item	Value
Drum cartridge	Canon 271
Media / Quality Setting	Default / Default
Simplex B&W settings	Black Ink Only
Duplex B&W settings	not applicable
Setting N test count	Application
Collating function	On
Paper Path	Paper sending direction: Default
	Paper size setting: Default
	Paper feeding: Standard cassette
	Paper exit: Standard exit tray
	Output orientation: Default (face up)
	Duplexing ADF Unit: No
	Duplexing Print Unit: No
Paper	Paper Manufacturer: HP
	Weight: 70lb
	Size: 8.5 x 11"
	Paper type/name: HP Multipurpose Colorok

Summary Reports

ISO/IEC 24734	Color	FSOT (seconds)	ESAT (ipm)
	Single Sided	72	4
	Two Sided	N/A	N/A
B&W	Single Sided	50	5.5
	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, Black Ink Only
 3) For Duplex B&W results, not applicable

ISO/IEC 24735 Annex D	Color	FCOT (seconds)	Continuous Copy Speed (cpm)
	Color	30	2.5
	B&W	18	4.5

Notes: 1) cpm = Copies Per Minute and is equivalent to ppm or Pages Per Minute

ISO/IEC 24735	Color	FSOT (seconds)	ESAT (ipm)
	1:1	N/A	N/A
	1:2	N/A	N/A
	2:2	N/A	N/A
B&W	1:1	N/A	N/A
	1:2	N/A	N/A
	2:2	N/A	N/A

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

Full Reports

ISO/IEC 24734	Office Category Test Files	FSOT (sec)	EFTP (ipm)			ESAT (ipm)		
			1 Set	1 Set+ 30 seconds	1 Set+ 4 Minutes			
Color	Single Sided	PDF (# sets)	85.26	2.81	2.90	2.96	3.04	
		Word (# sets)	41.08	5.84	6.14	2	5	6.69
		Excel (# sets)	87.25	2.75	2.83	2	2	2.97
	Average	72	3	3	2	4		
	Two Sided	PDF (# sets)	N/A	N/A	N/A		N/A	
		Word (# sets)	N/A	N/A	N/A		N/A	
Excel (# sets)		N/A	N/A	N/A		N/A		
Average	N/A	N/A	N/A		4.56	N/A		
B&W	Single Sided	PDF (# sets)	56.33	4.28	4.42	4.56	4.72	
		Word (# sets)	35.86	6.69	7.06	2	6	7.73
		Excel (# sets)	57.54	4.17	4.35	2	2	4.65
	Average	50	5	5	2	4	5.5	
	Two Sided	PDF (# sets)	N/A	N/A	N/A		N/A	
		Word (# sets)	N/A	N/A	N/A		N/A	
Excel (# sets)		N/A	N/A	N/A		N/A		
Average	N/A	N/A	N/A		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, Black Ink Only
 3) For Duplex B&W results, not applicable

ISO/IEC 24735	Office Category Test Files	FSOT (sec)	EFTP (ipm)			ESAT (ipm)
			1 Set	1 Set+ 30 seconds	1 Set+ 4 Minutes	
Color	1:1 (# sets)	N/A	N/A	N/A	N/A	N/A
	1:2 (# sets)	N/A	N/A	N/A	N/A	N/A
	2:2 (# sets)	N/A	N/A	N/A	N/A	N/A
B&W	1:1 (# sets)	N/A	N/A	N/A	N/A	N/A
	1:2 (# sets)	N/A	N/A	N/A	N/A	N/A
	2:2 (# sets)	N/A	N/A	N/A	N/A	N/A

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

Test system

Item	Value
Computer	HP 4860T Dual 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/Hitachi-Packard, DVD+RW and CD-RW
I/O subsystem	Built in
USB subsystem	USB 2.0
OS	USB
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