

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

Full Detailed Test Reports  
 HP Officejet 4610 All-in-One Printer

Printing device and test settings	
Test Start Date and Time	11/28/11 9:00:00 AM
Tester	Tina Yew Choon Karen
Machine product number	
Machine name/model	HP Officejet 4610 All-in-One Printer
FW Version	FN1145BR
Colour or B&W	Color
Temperature and humidity	24 degrees C, 47%
Voltage	220 volts AC
Test End Date and Time	11/30/11 5:00:00 PM

Modes and Settings	Item	Value
Settings	Driver version	07.72.00.1080
	Media / Quality Setting	Default / Default
	Simplex B&W settings	Print in black ink only
	Duplex B&W settings	Print in black ink only
Paper Path	Setting N set count	Application
	Collating function	On, For MS Excel 2003, enable collate in driver.
	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	20lb
	Size	8.5 x 11"
	Paper type/name	HP Multipurpose Color Ink

Summary Reports			
ISO/IEC 24734		FSOT (seconds)	ESAT (ipm)
Color	Single Sided	42	7.5
	Two Sided	N/A	N/A
B&W	Single Sided	40	8
	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, Print in black ink only  
 3) For Duplex B&W results, Print in black ink only

FDIS ISO/IEC 29183			
		FCOT (seconds)	sESAT (ipm)
Color		28	5.5
	B&W	20	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)				
Color	Single Sided	FSOT (sec)	1 Set	1 Set + 30 seconds	1 Set + 4 Minutes	sESAT (ipm)	
			PDF (# sets)	46.73	5.13	5.76	6.36
Word (# sets)	31.48	7.62	9.83	2	11.24		
Excel (# sets)	46.94	5.11	5.66	3	6.18		
Average	42	5	7	2	7.5		
B&W	Single 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	
		PDF (# sets)	44.40	5.40	6.06	6.88	6.72
		Word (# sets)	30.98	7.74	10.08	2	11.48
B&W	Two Sided	Excel (# sets)	43.67	5.49	6.24	3	6.91
		Average	40	6	7	2	8
		PDF (# sets)	N/A	N/A	N/A	N/A	N/A
		Word (# sets)	N/A	N/A	N/A	N/A	N/A
		Excel (# sets)	N/A	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, Print in black ink only  
 3) For Duplex B&W results, Print in black ink only

FDIS ISO/IEC 29183						
Color	Page	FCOT (sec)	sEFTP (ipm)			sESAT (ipm)
			1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	
Color	Page 1 (# copies)	27.32	2.19	4.00	5.82	5.54
	Page 2 (# copies)	27.24	2.20	5.83	4	8.72
	Page 3 (# copies)	27.14	2.21	4.49	6	6.09
	Page 4 (# copies)	28.19	2.12	2.60	5	2.95
	Average	28	2	4	3	5.5
Black	Page 1 (# copies)	19.99	3.00	5.00	6.07	5.99
	Page 2 (# copies)	16.28	3.68	7.48	5	9.16
	Page 3 (# copies)	18.44	3.25	5.52	7	6.70
	Page 4 (# copies)	22.21	2.70	3.88	5	4.54
	Average	20	3	5	6	6

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Test system parameters		
Item	Value	
Computer	HP Workstation xw4200	
Processor	Intel® Pentium 4 Processor with Hyper-Threading, 3.40 GHz, 1 MB / 800 MHz FSB	
System Chip Set	Intel® SX Express	
System Board	Standard system devices, default system BIOS	
System Memory	2 x 512 MB RAM, MTI Brand-DDR2 533, CL4, ECC	
Hard Drive subsystem	Mentor 6Y0M080, 148GB	
Video subsystem	ATI Technologies INC, FireGL V3100, 128MB	
Optical Drive	Hewlett-Packard, DVD Writer 400C	
IO subsystem	Microsoft Natural PS2 keyboard, PS2 compatible mouse	
I/O	USB subsystem	USB 2.0
	USB	USB 2.0
Software	Operating System	Microsoft Windows Professional XP SP2
	Printing Applications	Microsoft Office Word 2003
		Microsoft Office Excel 2003
		Adobe Reader 6.0
Test Files and location	Office Category files, hard drive	