

ISO/IEC 24734 Printing Productivity Report: Office Category  
 ISO/IEC 29183 Copying Productivity Report  
 ISO/IEC 17629 First Page Out Time Report

Full Detailed Test Reports  
 HP OfficeJet Pro 8210 Printer

Printing device and test settings	
Test Start Date and Time	12/10/15 12:00:00 AM
Test File Name	Test1
Machine product number	D9L6AA
Machine name/model	HP OfficeJet Pro 8210 Printer
PW Version	15450
Colour or B&W	Color
Temperature and humidity	24 degrees C, 47%
Voltage	120 volts AC
Test End Date and Time	01/14/16 12:00:00 AM

Item	Value
Driver version	38.1.1881
Media Quality Setting	Default / Default
Simplex (B&W) settings	Print in grayscale, black ink only
Duplex (B&W) settings	Print in grayscale, black ink only
Setting to test count	Application
Collating function	Enabled in Application
Paper remaining direction	Default
Paper size setting	Default
Paper feeding	Standard cassette
Paper path	Standard exit tray
Output orientation	Default (face up)
Duplexing ADF Unit	No
Duplexing Print Line	Yes
Paper Manufacturer	HP
Weight (gsm)	80gsm
Size	A4
Paper type/name	HP Everyday Paper Colorfast

Summary Reports

ISO/IEC 24734	FSOT (seconds)	ESAT (ipm)
Color	22	18
Two Sided	32	10
B&W	19	22
Two Sided	28	12

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) For Simplex B&W results, Print in grayscale, black ink only  
 3) For Duplex B&W results, Print in grayscale, black ink only  
 4) Scale constant for A4 for 8.5x11 paper sizes set to off for Word and Excel

FDIS ISO/IEC 29183	FCOT (seconds)	sESAT (ipm)
Color	N/A	N/A
Two Sided	N/A	N/A
B&W	N/A	N/A

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

ISO/IEC 17629	FPOT From Ready (sec)
Color	10
B&W	9

Notes: 1) For B&W results, Print in grayscale, black ink only

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)	23.00	11.00	13.00	14.50
		Word (# sets)	15.00	1	3	24.60
		Excel (# sets)	26.00			15.50
	Two Sided	Average (# sets)	22			18
		PDF (# sets)	33.00	7.00	8.00	9.60
		Word (# sets)	25.00	1		13.40
B&W	Single Sided	Excel (# sets)	35.00			10.00
		Average (# sets)	32			18
		PDF (# sets)	17.00	14.00	19.00	19.00
	Two Sided	Word (# sets)	15.00	1	4	24
		Excel (# sets)	22.00			20.80
		Average (# sets)	19			22

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) For Simplex B&W results, Print in grayscale, black ink only  
 3) For Duplex B&W results, Print in grayscale, black ink only  
 4) Scale constant for A4 for 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)	N/A	N/A	N/A	N/A
	Page 2 (# copies)	N/A	N/A	N/A	N/A
	Page 3 (# copies)	N/A	N/A	N/A	N/A
	Page 4 (# copies)	N/A	N/A	N/A	N/A
Black	Page 1 (# copies)	N/A	N/A	N/A	N/A
	Page 2 (# copies)	N/A	N/A	N/A	N/A
	Page 3 (# copies)	N/A	N/A	N/A	N/A
	Page 4 (# copies)	N/A	N/A	N/A	N/A

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

ISO/IEC 17629	FPOT from Ready (sec)	FPOT from Sleep (sec)	Recovery Time (sec)
Color Simplex	PDF	10:10	9:00
	Word	7:50	10
	Excel	10:30	
	Average	10:00	
B&W Simplex	Delay Time	20 sec	120 min
	PDF	8:40	9:00
	Word	7:50	18:00
	Excel	8:50	

Notes: 1) For B&W results, Print in grayscale, black ink only  
 2) FPOT from Sleep = FPOT from Ready + Recovery Time  
 3) Scale constant for A4 for 8.5x11 paper sizes set to off for Word and Excel

Test system parameters

Item	Value	
Test System	Computer	HP Compaq Elite 8300 Small Form Factor PC
	Processor	Intel Core i7-3770 Quad Core (3.40 GHz, 8 MB cache)
	System Chip Set	Intel(R) Q77 Express Chipset
	System Board	Standard system devices, default system BIOS
	System Memory	4 GB (4 x 1 GB) DDR3 1600 MHz
	Hard Drive subsystem	HardDisk - WD 5000 - 500GB
	Video subsystem	NVIDIA GeForce HD 6300
	Optical Drive	HP DVD-RAM
	I/O subsystem	Builtin
	USB subsystem	USB 2.0/3.0
Software	Printer Connection	0
	Operating System	Microsoft Windows 7 Professional 64-bit SP1
	Printing Applications	Microsoft Office Pro Plus Word 2010 32-bit SP1 Microsoft Office Pro Plus Excel 2010 32-bit SP1
	Test Files and location	Adobe Reader X 10.1.2 Office Category files, hard drive