

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 8710 All-in-One Printer

Printing device and test settings

Test Start Date and Time	10/29/2015 12:00	10/23/2015 12:00pm
Tested Items Title	Tested Items Title	
Machine product number	M9166A	
Machine name/model	HP OfficeJet Pro 8710 All-in-One Printer	
DW Version	1542E	
Colour or B&W	Color	
Temperature and humidity	24 degrees C, 47%	
Voltage	240 volts AC	
Test End Date and Time	10/30/2015 12:00	10/30/2015 12:00pm

Modes and Settings	Item	Value
Settings	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
Paper Path	Setting to test count	Application
	Collating function	Enabled in Application
	Paper remaining direction	Default
	Paper size setting	Default
Paper	Paper feeding	Standard cassette
	Paper path	Standard exit tray
	Output orientation	Default (face up)
	Duplexing ADF Unit	Yes
	Duplexing Print Unit	Yes
	Paper Manufacturer	HP
Paper	Weight (gsm)	80gsm
	Size	A4
	Paper type/name	HP Everyday Paper Colorfast

Summary Reports

ISO/IEC 24734	FCOT (seconds)	ESAT (lpm)
Color	21	18
Two Sided	31	10
B&W	18	22
Two Sided	28	12

Notes: 1) lpm = 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 (lpm)
Color	13	14
B&W	13	20

Notes: 1) lpm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) Copy speed is limited to a maximum of 9 ppm for Belgium

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	FCOT (sec)	EFTP (lpm)			sESAT (lpm)
			1 Set	1 Set + 30 seconds	1 Set + 4 Minutes	
Color	Single Sided	PDF (# sets)	22.00	11.00	12.00	14.00
		Word (# sets)	15.00	3	3	25.00
		Excel (# sets)	25.00			15.70
		Average (# sets)	21			18
		PDF (# sets)	32.00	7.00	8.00	9.50
	Two Sided	Word (# sets)	25.00			13.40
		Excel (# sets)	34.00			10.00
		Average (# sets)	31			18
		PDF (# sets)	17.00	14.00	19.00	21.20
		Word (# sets)	14.00	1	4	24
B&W	Single Sided	Excel (# sets)	21.00			20.80
		Average (# sets)	18			22
		PDF (# sets)	28.00	8.00	10.00	11.10
		Word (# sets)	24.00		3	14.20
		Excel (# sets)	30.00			12.00
	Two Sided	Average (# sets)	28			12

Notes: 1) lpm = 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 (lpm)			sESAT (lpm)
		1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	
Color	Page 1 (# copies)	12.40	4.00	10.00	12.80
	Page 2 (# copies)	11.20	5.00	17.00	21.80
	Page 3 (# copies)	12.20	4.00	11.00	13.90
	Page 4 (# copies)	13.30	4.00	8.00	10.20
	Average (# copies)	13	4	7	14
Black	Page 1 (# copies)	10.20	5.00	16.00	19.90
	Page 2 (# copies)	9.80	6.00	18.00	22.40
	Page 3 (# copies)	10.20	5.00	16.00	19.70
	Page 4 (# copies)	10.30	5.00	16.00	19.00
	Average (# copies)	11	5	16	20

Notes: 1) lpm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) Copy speed is limited to a maximum of 9 ppm for Belgium

ISO/IEC 17629	FPOT from Ready (sec)	FPOT from Sleep (sec)	Recovery Time (sec)	
Color Simplex	PDF	8.20	18.00	9.00
	Word	7.20		18
	Excel	9.30		
	Average	10.00		
B&W Simplex	Delay Time	20 sec	120 min	
	PDF	7.80	17.00	9.50
	Word	7.40		
	Excel	10.10		
Average	9.80			
Delay Time	20 sec	120 min		

Notes: 1) For B&W results, Print in grayscale, black ink only  
 2) 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 Quadro HD 6300
	Optical Drive	HP DVD-RAM
	I/O subsystem	Builtin
	USB subsystem	USB 2.0/3.0
I/O	Printer Connection	0
	Operating System	Microsoft Windows 7 Professional 64-bit SP1
Software	Printing Applications	Microsoft Office Pro Plus Word 2010 32-bit SP1 Microsoft Office Pro Plus Excel 2010 32-bit SP1 Adobe Reader X 10.1.2
	Test Files and location	Office Category files, hard drive