

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 8720 All-in-One Printer

Printing device and test settings

Test Start Date and Time	10/23/2015 12:00	10/23/2015 12:00pm
Tested Items Title	Tested Items Title	
Machine product number	M9679A	
Machine name/model	HP OfficeJet Pro 8720 All-in-One Printer	
DW Version	1542E	
Colour or B&W	Colour	
Temperature and humidity	24 degrees C, 47%	
Volume	340 sheets/A4	
Test End Date and Time	11/11/2015 12:00	11/11/2015 12:00pm

Modes and Settings	Item	Value
Settings	Driver version	86.1.1881
	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 sort	Standard tray
	Output orientation	Default (face down)
	Duplexing ADF Unit	Yes
Paper	Duplexing Print Unit	Yes
	Paper Manufacturer	HP
	Weight (gsm)	80gsm
	Sheet A4	Yes
Paper type/name		HP Everyday Paper Colorfast

Summary Reports

ISO/IEC 24734	FCOT (seconds)	ESAT (gpm)
Color	21	20
Two Sided	23	17
B&W	18	24
Two Sided	21	25

Notes: 1) gpm = 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 (gpm)
Color	16	16
B&W	12	22

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

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 (gpm)				sESAT (gpm)
			1 Set	1 Set+ 30 seconds	1 Set+ 4 Minutes	1 Set+ 4 Minutes	
Color	Single Sided	PDF (# sets)	21.00	11.00	14.00	15.00	17.30
		Word (# sets)	15.00	1	4	28.40	
		Excel (# sets)	25.00	1	18.20	18.20	
	Average (# sets)	21			20		
	Two Sided	PDF (# sets)	24.00	9.00	12.00	14.80	14.80
		Word (# sets)	18.00	1	1	22.70	
Excel (# sets)		26.00	1	15.90	15.90		
Average (# sets)	23			17			
B&W	Single Sided	PDF (# sets)	17.00	15.00	20.00	23.30	23.30
		Word (# sets)	14.00	1	6	27	28.60
		Excel (# sets)	22.00	1	23.40	23.40	
	Average (# sets)	18			24		
	Two Sided	PDF (# sets)	20.00	12.00	16.00	18.70	18.70
		Word (# sets)	18.00	1	1	22.60	
Excel (# sets)		23.00	1	20.30	20.30		
Average (# sets)	21			20			

Notes: 1) gpm = 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 (gpm)			sESAT (gpm)
		1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	
Color	Page 1 (# copies)	12.60	4.00	11.00	14.40
	Page 2 (# copies)	11.70	5.00	18.00	24.30
	Page 3 (# copies)	12.10	4.00	12.00	16.20
	Page 4 (# copies)	13.60	4.00	9.00	12.60
	Average (# copies)	14	4	12	16
Black	Page 1 (# copies)	10.60	5.00	17.00	22.10
	Page 2 (# copies)	10.00	6.00	19.00	24.70
	Page 3 (# copies)	10.50	5.00	17.00	22.90
	Page 4 (# copies)	10.80	5.00	16.00	21.10
	Average (# copies)	12	5	17	22

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

ISO/IEC 17629	FPOT from Ready (sec)	FPOT from Sleep (sec)	Recovery Time (sec)	
Color Simplex	PDF	8.40	18.00	8.00
	Word	7.60	17.00	8.00
	Excel	10.10	17.00	8.00
	Average	10.00	17.00	8.00
B&W Simplex	Delay Time	20 sec	120 min	
	PDF	8.10	17.00	8.50
	Word	7.70	17.00	8.50
	Excel	8.50	17.00	8.50
Average	8.50	17.00	8.50	
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 (two 2GB 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
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
	Test Files and location	Adobe Reader X 10.1.2 Office Category files, hard drive