

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

Full Detailed Test Reports
 HP Officejet Pro 8610 e-All-in-One Printer A7F64A

Printing device and test settings		
Test Start Date and Time	10/26/13	12:00:00 AM
Tester	Karen Ting	
Machine product number	A7F64A	
Machine name/model	HP Officejet Pro 8610 e-All-in-One Printer	
F.W. Version	FW13364	
Colour or B&W	Color	
Temperature and humidity	24 degrees C, 47%	
Voltage	240 volts AC	
Test End Date and Time	11/26/13	12:00:00 AM

	Item	Value
Modes and Settings	Driver version	13.33.0.2473
	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 N set count	Application
	Collating function	Enabled in Application
	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	Yes
	Duplexing Print Unit	Yes
	Paper	Paper Manufacturer
Weight		80gsm
Size		A4
Paper type/name		HP Everyday Paper Colorok

Summary Reports

ISO/IEC 24734		FSOT (seconds)	ESAT (ipm)
Color	Single Sided	26	14.5
	Two Sided	40	8
B&W	Single Sided	22	19
	Two Sided	36	9

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

FDIS ISO/IEC 29183		FCOT (seconds)	sESAT (ipm)
Color		18	11
	B&W	14	13

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

Full Reports

ISO/IEC 24734	Office Category	FCOT (sec)	sEFTP (ipm)			sESAT (ipm)	
			1 Set	1 Set+ 30 seconds	1 Set+ 4 Minutes		
Color	Single Sided	PDF (# sets)	28.35	8.46	10.90	12.06	12.47
		Word (# sets)	19.69		3	16	19.65
		Excel (# sets)	28.97				13.19
	Two Sided	Average	26				14.5
		PDF (# sets)	43.84	5.47	6.06	4	6.84
		Word (# sets)	31.81				10.66
B&W	Single Sided	Excel (# sets)	41.43				8.22
		Average	40				8
		PDF (# sets)	21.29	11.27	16.47	4	17.50
	Two Sided	Word (# sets)	17.88				23.61
		Excel (# sets)	24.16				17.56
		Average	22				19
B&W	Single Sided	PDF (# sets)	36.71	6.53	8.06	3	9.09
		Word (# sets)	29.79				11.79
		Excel (# sets)	39.12				9.05
	Two Sided	Average	36				9

Notes: 1) ipm = Images Per Minute and is equivalent to gpm or Pages Per Minute
 2) For Simplex B&W results, Print in grayscale, black ink on
 3) For Duplex B&W results, Print in grayscale, black ink on
 4) Scale content for A4 pr 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)	16.23	3.69	8.74	8	10.47	10.80
		15.73	3.81	11.23	9	14.90	
	Page 2 (# copies)	15.74	3.81	10.33	9	13.11	
		16.45	3.64	7.26	7	8.71	
	Page 4 (# copies)	Average	16	3	9	10	11
		Page 1 (# copies)	11.87	5.05	11.55	9	13.02
Black	Page 2 (# copies)	10.74	5.59	14.33	11	16.99	
		11.96	5.02	11.70	9	14.01	
	Page 3 (# copies)	13.15	4.56	8.27	7	9.58	
		Average	14	5	11	13	13

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

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) QZ7 Express Chipset
	System Board	Standard system devices, default system BIOS
	System Memory	4 GB (1x4 GB) DDR3 1600 MHz
	Hard Drive subsystem	Harddisk - WD 5000 - 500GB
	Video subsystem	AMD Radeon HD 8350
	Optical Drive	HP DVD-RAM
	IO subsystem	Button
	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