

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

Full Detailed Test Reports  
 HP Officejet Pro 6230 ePrinter E303A

Printing device and test settings

Test Start Date and Time	04/03/14 9:30AM	04/03/14 9:30AM
Tester	Karen Ting	
Machine product number	E303A	
Machine name/model	HP Officejet Pro 6230 ePrinter	
F.W. Version	ipgpe_npg2_A5M5CN1414AF	
Colour or B&W	Color	
Temperature and humidity	24 degrees C, 47%	
Voltage	240 volts AC	
Test End Date and Time	04/10/14 5:30PM	04/10/14 5:30PM

Modes and Settings	Item	Value
Modes and Settings	Driver version	AgaveROW Build 63
	Media / Quality Setting	A4/Normal
	Simplex B&W settings	Black Ink Only
	Duplex B&W settings	Black Ink Only
	Setting N set count	Application
Paper Path	Collating function	ON
	Paper sending direction	Default
	Paper size setting	Default
	Paper feeding	Standard cassette
	Paper exit	Standard exit tray
Paper	Output orientation	Face up
	Duplexing ADF Unit	No
	Duplexing Print Unit	Yes
	Paper Manufacturer	HP
	Weight	80 gsm
Size	A4	
	Paper type/name	HP Everyday

Summary Reports

ISO/IEC 24734	Color	FSOT (seconds)	ESAT (ipm)
Color	Single Sided	36	10
	Two Sided	52	5
B&W	Single Sided	24	18
	Two Sided	38	8

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) For Simplex B&W results, Black Ink Onl  
 3) For Duplex B&W results, Black Ink Onl  
 4) Scale content for A4 pr 8.5x11 paper sizes set to off for Word and Excel

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

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

Full Reports

ISO/IEC 24734	Office Category	FCOT (sec)	EFTP (ipm)			sESAT (ipm)	
			1 Set	1 Set+ 30 seconds	1 Set+ 4 Minutes		
Color	Single Sided	PDF (# sets)	39.90	6.01	7.19	7.63	7.94
		Word (# sets)	25.01		3	10	14.61
		Excel (# sets)	41.68				8.24
	Average	36				10	
	Two Sided	PDF (# sets)	56.29	4.26	4.63	4	5.06
		Word (# sets)	40.03				7.41
Excel (# sets)		58.46				5.02	
Average	52				5		
B&W	Single Sided	PDF (# sets)	23.75	10.10	14.36	15.32	17.05
		Word (# sets)	20.32		4		21.16
		Excel (# sets)	27.19				16.56
	Average	24				18	
	Two Sided	PDF (# sets)	37.81	6.34	7.44	3	8.18
		Word (# sets)	33.75				9.18
Excel (# sets)		40.78				8.08	
Average	38				8		

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) For Simplex B&W results, Black Ink Onl  
 3) For Duplex B&W results, Black Ink Onl  
 4) Scale content for A4 pr 8.5x11 paper sizes set to off for Word and Excel

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)	N/A	N/A	N/A	N/A	N/A
		(# copies)	N/A	N/A	5	32	N/A
		(# copies)	N/A	N/A	8		N/A
		(# copies)	N/A	N/A	6		N/A
		(# copies)	N/A	N/A	4		N/A
Average	N/A	N/A	N/A	N/A	N/A	N/A	
Black	Page 1	(# copies)	N/A	N/A	N/A	N/A	N/A
		(# copies)	N/A	N/A	7	50	N/A
		(# copies)	N/A	N/A	9		N/A
		(# copies)	N/A	N/A	8		N/A
		(# copies)	N/A	N/A	6		N/A
Average	N/A	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

Test system parameters

Item	Value
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 6350
Optical Drive	HP DVD-RAM
IO subsystem	Button
USB subsystem	USB 2.0/3.0
IO	Printer Connection
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