

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

**Full Detailed Test Reports**  
**HP Officejet Pro 276dw MFP CR770A**

Printing device and test settings		
Test Start Date and Time	10/22/12	12:00:00 AM
Tester	Karen Ting	
Machine product number	CR770A	
Machine name/model	HP Officejet Pro 276dw MFP	
FW Version	FW1241CR	
Colour or B&W	Color	
Temperature and humidity	24 degrees C, 47%	
Voltage	240 volts AC	
Test End Date and Time	11/07/12	12:00:00 AM

Modes and Settings	Item	Value
Modes and Settings	Driver version	61.135.04.14143
	Media / Quality Setting	Default / Default
	Simplex B&W settings	Print in grayscale
	Duplex B&W settings	Print in grayscale
Paper Path	Setting N set count	Application
	Collating function	On, For MS Excel 2003, enable collate in driver.
	Paper sending direction	Default
	Paper size setting	Default
Paper	Paper feeding	Standard cassette
	Paper oval	Standard exit tray
	Output orientation	Default (face up)
	Duplexing ADF Unit	No
	Duplexing Print Unit	Yes
	Paper Manufacturer	HP
Paper	Weight	80gsm
	Size	A4
	Paper type/name	HP Everyday Paper Colorlok

**Summary Reports**

ISO/IEC 24734			FSOT (seconds)	ESAT (ipm)
Color	Single Sided		26	15
	Two Sided		42	6
B&W	Single Sided		21	20
	Two Sided		39	7

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) For Simplex B&W results, Print in grayscale  
 3) For Duplex B&W results, Print in grayscale  
 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			19	12
	B&W		16	13

Notes: 1) ipm = 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

**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)	27.63	8.68	11.24	12.58	13.18
		Word (# sets)	21.27				19.46
		Excel (# sets)	26.80				13.33
	Average		26				15
	Two Sided	PDF (# sets)	43.65	5.49	5.89		6.31
		Word (# sets)	38.07				7.68
Excel (# sets)		43.73				6.15	
Average		42				6	
B&W	Single Sided	PDF (# sets)	21.46	11.18	16.17	17.47	19.16
		Word (# sets)	19.45				23.93
		Excel (# sets)	21.82				18.04
	Average		21				20
	Two Sided	PDF (# sets)	40.47	5.93	6.48		7.10
		Word (# sets)	35.30				8.76
Excel (# sets)		39.45				7.36	
Average		39				7	

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 3) For Duplex B&W results, Print in grayscale  
 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)	16.89	3.55	8.72	10.85	11.01
	Page 2 (# copies)	16.66	3.60	12.69		17.60
	Page 3 (# copies)	16.57	3.62	10.10		12.98
	Page 4 (# copies)	17.98	3.33	7.39		9.52
	Average	19		8	9	10
Black	Page 1 (# copies)	14.23	4.21	11.42	13.49	14.45
	Page 2 (# copies)	13.55	4.43	14.26		18.29
	Page 3 (# copies)	14.31	4.19	11.63		14.85
	Page 4 (# copies)	15.09	3.97	8.55		10.55
	Average	16		11	11	13

Notes: 1) ipm = 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

**Test system parameters**

	Item	Value
Test System	Computer	HP Workstation xw4200
	Processor	Intel® Pentium 4 Processor with Hyper-Threading, 3.40 GHz, 1 MB / 800 MHz FSB
	System Chip Set	Intel® SX Express
	System Board	Standard system devices, default system BIOS
	System Memory	2 x 512 MB RAM, MTI Brand-DDR2 533, CL4, ECC
	Hard Drive subsystem	Maxtor 6Y00M080, 148GB
	Video subsystem	ATI Technologies, Inc., FireGL V3100, 128MB
	Optical Drive	Hewlett-Packard, DVD Writer 400C
	IO subsystem	Microsoft Natural PS2 keyboard, PS2 compatible mouse
	I/O	USB subsystem
USB		USB 2.0
Software	Operating System	Microsoft Windows Professional XP SP2
	Printing Applications	Microsoft Office Word 2003
		Microsoft Office Excel 2003
		Adobe Reader 6.0
	Test Files and location	Office Category files, hard drive