

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 8730 All-in-One Printer

Printing device and test settings	
Test Start Date and Time	12/10/15 12:00:00 AM
Tested Items Title	
Machine product number	D9L20A
Machine name/model	HP OfficeJet Pro 8730 All-in-One Printer
FW Version	15450
Colour or B&W	Color
Temperature and humidity	24 degrees C, 47%
Voltage	120 volts AC
Test End Date and Time	01/18/16 12:00:00 AM

Item	Value
Driver version	38.1.1883
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
Setting to test count	Application
Collating function	Enabled in Application
Paper remaining direction	Default
Paper size setting	Default
Paper feeding	Standard cassette
Paper path	Standard exit tray
Output orientation	Default (face down)
Duplexing ADF Unit	Yes
Duplexing Print Unit	Yes
Paper Manufacturer	HP
Weight	80gsm
Size	A4
Paper type/name	HP Everyday Paper Colorfast

Summary Reports

ISO/IEC 24734	FSOT (seconds)	ESAT (ipm)
Color	21	20
Two Sided	24	17
B&W	19	24
Two Sided	22	20

Notes: 1) ipm = 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 (ipm)
Color	12	16
Two Sided	15	22
B&W	10	22

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

ISO/IEC 17629	FPOT From Ready (sec)
Color	Simplex
B&W	Simplex

Notes: 1) For B&W results, Print in grayscale, black ink only

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)	22.00	11.00	14.00	15.50
		Word (# sets)	15.00	11.00	4	28.20
		Excel (# sets)	24.00	11.00	4	18.30
	Average (# sets)	21			20	
	Two Sided	PDF (# sets)	25.00	9.00	12.00	15.10
		Word (# sets)	19.00	11.00	1	22.70
Excel (# sets)		27.00	11.00	1	15.60	
Average (# sets)	24			17		
B&W	Single Sided	PDF (# sets)	17.00	14.00	19.00	23.20
		Word (# sets)	15.00	11.00	6	28.70
		Excel (# sets)	22.00	11.00	1	23.40
	Average (# sets)	19			24	
	Two Sided	PDF (# sets)	21.00	11.00	15.00	18.80
		Word (# sets)	19.00	11.00	1	22.60
Excel (# sets)		24.00	11.00	1	20.30	
Average (# sets)	22			20		

Notes: 1) ipm = 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 (ipm)			sESAT (ipm)
		1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	
Color	Page 1 (# copies)	11.50	5.00	11.00	15.40
	Page 2 (# copies)	11.00	5.00	18.00	23.50
	Page 3 (# copies)	10.70	5.00	13.00	16.70
	Page 4 (# copies)	11.80	5.00	9.00	12.50
	Average (# copies)	12	5	12	16
Black	Page 1 (# copies)	9.00	6.00	18.00	22.30
	Page 2 (# copies)	8.70	6.00	21.00	26.10
	Page 3 (# copies)	8.90	6.00	18.00	22.70
	Page 4 (# copies)	9.10	6.00	17.00	21.10
	Average (# copies)	10	6	18	22

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

ISO/IEC 17629	FPOT from Ready (sec)	FPOT from Sleep (sec)	Recovery Time (sec)	
Color Simplex	PDF	10.10	22.00	11.00
	Word	7.50	22.00	11.00
	Excel	10.60	22.00	11.00
	Average	11.00	22.00	11.00
	Delay Time	20 sec	120 min	
B&W Simplex	PDF	9.10	20.00	10.00
	Word	7.50	20.00	10.00
	Excel	9.30	20.00	10.00
	Average	8.98	20.00	10.00
	Delay Time	20 sec	120 min	

Notes: 1) For B&W results, Print in grayscale, black ink only  
 2) FPOT from Sleep = FPOT from Ready + Recovery Time  
 3) 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

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 8730 All-in-One Printer (BlueAngel)

Printing device and test settings		
Test Start Date and Time	05/15/16	12:00:00 AM
Tested Name/Title	Test	
Machine product number	D9L20A	
Machine name/model	HP OfficeJet Pro 8730 All-in-One Printer	
DW Version	ISO/A	
Colour or B&W	Color	
Temperature and humidity	24 degrees C, 47%	
Voltage	240 volts AC	
Test End Date and Time	05/16/16	12:00:00 AM

Item	Value
Driver version	36.1.1883
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
Setting to test count	Application
Collating function	Enabled in Application
Paper sending direction	Default
Paper size setting	Default
Paper feeding	Standard cassette
Paper path	Standard exit tray
Output orientation	Default (face down), portrait
Duplexing ADF Unit	Yes
Duplexing Print Unit	Yes
Paper Manufacturer	Print: HP Copy, HP
Weight	Print: 80gsm Copy, 80gsm
Size	Print: A4 Copy, A4
Paper type/name	Print: HP Everyday Paper Colorlok Copy, HP Everyday Paper Colorlok

Summary Reports		
ISO/IEC 24734	FCOT (seconds)	ESAT (ipm)
Color	21	20
Two Sided	24	17
B&W	19	24
Two Sided	22	20

Notes: 1) ipm = 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		
Color	FCOT (seconds)	sESAT (ipm)
Color	12	14
B&W	10	18

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

ISO/IEC 17629		FPOT From Ready (sec)
Color	Simplex	11
B&W	Simplex	10

Notes: 1) For B&W results, Print in grayscale, black ink only

Full Reports

ISO/IEC 24734		Office Category	FCOT (sec)	EFTP (ipm)			sESAT (ipm)
Color	Single Sided	PDF (8 sets)	22.00	1 Set	1 Set + 30 seconds	1 Set + 4 Minutes	17.20
				Word (8 sets)	15.00	11.00	
Color <td rowspan="2">Two Sided</td> <td rowspan="2">PDF (8 sets)</td> <td rowspan="2">25.00</td> <td>1</td> <td>4</td> <td>1</td> <td>15.10</td>	Two Sided	PDF (8 sets)	25.00	1	4	1	15.10
				Word (8 sets)	19.00	11.00	12.00
B&W <td rowspan="2">Single Sided</td> <td rowspan="2">PDF (8 sets)</td> <td rowspan="2">17.00</td> <td>1</td> <td>1</td> <td>5</td> <td>23.20</td>	Single Sided	PDF (8 sets)	17.00	1	1	5	23.20
				Word (8 sets)	15.00	11.00	15.00
B&W <td rowspan="2">Two Sided</td> <td rowspan="2">PDF (8 sets)</td> <td rowspan="2">21.00</td> <td>1</td> <td>1</td> <td>4</td> <td>18.80</td>	Two Sided	PDF (8 sets)	21.00	1	1	4	18.80
				Word (8 sets)	19.00	11.00	15.00

Notes: 1) ipm = 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 (ipm)			sESAT (ipm)
Color	Page 1 (8 copies)	11.40	1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	13.50
			Page 2 (8 copies) <td>10.70</td> <td>5.00</td> <td>10.00</td> <td>11.00</td>	10.70	5.00	
Black <td rowspan="2">Page 3 (8 copies) <td rowspan="2">10.80</td> <td rowspan="2">5.00</td> <td rowspan="2">11.00</td> <td rowspan="2">8</td> <td rowspan="2">14.90</td> </td>	Page 3 (8 copies) <td rowspan="2">10.80</td> <td rowspan="2">5.00</td> <td rowspan="2">11.00</td> <td rowspan="2">8</td> <td rowspan="2">14.90</td>	10.80	5.00	11.00	8	14.90

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

ISO/IEC 17629		FPOT from Ready (sec)	FPOT from Sleep (sec)	Recovery Time (sec)
Color Simplex	PDF	10.10	12	11.00
	Word	7.50	22.00	11.00
	Excel	10.60	11.00	11.00
	Average	11.90	120 min	11.00
B&W Simplex	PDF	9.10	20.00	10.00
	Word	7.50	20.00	10.00
	Excel	9.30	18.00	10.00
	Average	8.60	120 min	10.00

Notes: 1) For B&W results, Print in grayscale, black ink only  
 2) FPOT from Sleep = FPOT from Ready + Recovery Time  
 3) Scale constant for A4 for 8.5x11 paper sizes set to off for Word and Excel

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) 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	AMD Radeon HD 6350
Optical Drive	HP DVD-RAM
I/O subsystem	Built-in
USB subsystem	USB 2.0/3.0
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 Adobe Reader X 10.1.2
Test Files and location	Office Category files, hard drive