

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 9120b All-in-One series

Printing device and test settings	
Test Start Date and Time	02/25/23 12:00:00 AM
Tester	Mezou
Machine product number	463703A
Machine name/model	HP OfficeJet Pro 9120b All-in-One
FW Version	6.18.0.1867
Colour or B&W	Color
Temperature and humidity	23.0°C, 54%
Voltage	220V AC
Test End Date and Time	02/25/23 12:00:00 AM

Item	Value
Driver version	3.04.1.23175
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 N set count	Application
Collate function	Enabled in Application
Paper Path	Paper sending direction: Default
	Paper size setting: Default
	Paper feeding: Standard cassette
	Paper exit: Standard exit tray
	Output orientation: Default (Back up), portrait
	Duplexing ADF Unit: Yes
Paper	Duplexing Print Line: 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	FSOT (seconds)	ESAT (gpm)
Color	Single Sided	24
	Two Sided	20
B&W	Single Sided	20
	Two Sided	27

Notes: 1) gpm = Images Per Minute and is equivalent to gpm in 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 content for A4 for 8.5x11 paper sizes set to off for Word and Excel

FDIS ISO/IEC 29183		
Color	FCOT (seconds)	sESAT (gpm)
B&W	8	21

Notes: 1) gpm = Images Per Minute and is equivalent to gpm in Pages Per Minute or gpm in Copies Per Minute

ISO/IEC 17629		FPOT From Ready (sec)
Color	Simplex	14
B&W	Simplex	12

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

Full Reports

ISO/IEC 24734		Office Category	FSOT (sec)	EFTP (gpm)				sESAT (gpm)
Color	Single Sided	Word (# sets)	1 Set	1 Set + 30 seconds	1 Set + 4 Minutes			
			28.00	9.00	10.00	13.00	15.30	
Color <td rowspan="2">Two Sided <td>Word (# sets)</td> <td>20.00</td> <td></td> <td></td> <td></td> <td>25.60</td> <td></td> </td>	Two Sided <td>Word (# sets)</td> <td>20.00</td> <td></td> <td></td> <td></td> <td>25.60</td> <td></td>	Word (# sets)	20.00				25.60	
		Excel (# sets)	23.00				15.60	
		Average	24				18	
Color <td rowspan="2">Two Sided <td>Word (# sets)</td> <td>43.00</td> <td>5.00</td> <td>7.00</td> <td></td> <td>9.10</td> <td></td> </td>	Two Sided <td>Word (# sets)</td> <td>43.00</td> <td>5.00</td> <td>7.00</td> <td></td> <td>9.10</td> <td></td>	Word (# sets)	43.00	5.00	7.00		9.10	
		Excel (# sets)	35.00				9.30	
		Average	39				8	
B&W <td rowspan="2">Single Sided <td>Word (# sets)</td> <td>23.00</td> <td>11.00</td> <td>16.00</td> <td>20.00</td> <td>22.00</td> <td></td> </td>	Single Sided <td>Word (# sets)</td> <td>23.00</td> <td>11.00</td> <td>16.00</td> <td>20.00</td> <td>22.00</td> <td></td>	Word (# sets)	23.00	11.00	16.00	20.00	22.00	
		Excel (# sets)	18.00				21.30	
		Average	20				24	
B&W <td rowspan="2">Two Sided <td>Word (# sets)</td> <td>31.00</td> <td>8.00</td> <td>9.00</td> <td></td> <td>14.10</td> <td></td> </td>	Two Sided <td>Word (# sets)</td> <td>31.00</td> <td>8.00</td> <td>9.00</td> <td></td> <td>14.10</td> <td></td>	Word (# sets)	31.00	8.00	9.00		14.10	
		Excel (# sets)	24.00				16.10	
		Average	27				14	

Notes: 1) gpm = Images Per Minute and is equivalent to gpm in 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 content for A4 for 8.5x11 paper sizes set to off for Word and Excel

FDIS ISO/IEC 29183		FCOT (sec)	1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	sESAT (gpm)
Color	Page 1 (# copies)	8.90	6.00	12.00	13.00	14.00
	Page 2 (# copies)	7.80	7.00	10.00	6.00	17.20
	Page 3 (# copies)	8.40	7.00	13.00	8.00	14.70
	Page 4 (# copies)	9.90	6.00	9.00	6.00	11.10
		Average	10			14
Black	Page 1 (# copies)	7.00	8.00	19.00	20.00	21.00
	Page 2 (# copies)	6.70	9.00	21.00	14.00	23.90
	Page 3 (# copies)	7.20	8.00	18.00	12.00	20.90
	Page 4 (# copies)	7.10	8.00	18.00	12.00	20.70
		Average	8			21

Notes: 1) gpm = Images Per Minute and is equivalent to gpm in Pages Per Minute or Copies Per Minute

ISO/IEC 17629		FPOT from Ready (sec)	FPOT from Sleep (sec)	Recovery Time (sec)
Color Simplex	PDF	13.70	21.70	8.00
	Word	12.60		
	Excel	11.30		
	Average	13.00		
B&W Simplex	Delay Time	30 sec	120 min	
	PDF	11.00	19.70	8.00
	Word	11.60		
	Excel	9.80		
		Average	12.80	
		Delay Time	30 sec	120 min

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

Test system parameters

Item	Value
Computer	HP Envoy 15 Notebook
Processor	Intel Core i5-4210U 1.7GHz
System Chip Set	Intel Chipset
System Board	229A
System Memory	8GB 1600MHz DDR3L
Hard Drive subsystem	4GB 220GB of storage
Video subsystem	Intel HD graphics
Optical Drive	HP DVDRW G8-B0UN
I/O subsystem	Built in
USB subsystem	USB 2.0/3.0
IG	Printer Connection
Software	Operating System: Microsoft Windows 10 Enterprise
	Printing Applications: Microsoft Office Word 2016 MSO 64-bit
	Microsoft Office Excel 2016 64-bit
	Adobe Acrobat Reader DC, Version: 2018.009.20044
	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 9120b All-in-One (Blue Angel) series

Printing device and test settings		
Test Start Date and Time	02/02/23	12:00:00 AM
Tester	Megan	
Machine product number	R4Z9N6B	
Machine name/model	HP OfficeJet Pro 9120b All-in-One	
FW Version	15.0.1867	
Colour or B&W	Color	
Temperature and humidity	23deg, 54%	
Voltage	220V AC	
Test End Date and Time	07/03/23	12:00:00 AM

Item	Value
Driver version	3.04.1.23175
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 N set count	Application
Collate function	Enabled in Application
Paper Path	Default
Paper feeding	Standard cassette
Paper exit	Standard exit tray
Output orientation	Default (Back up) 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	FSOT (seconds)	ESAT (gpm)
Color	Single Sided	26
	Two Sided	40
B&W	Single Sided	22
	Two Sided	49

Notes: 1) gpm = Images Per Minute and is equivalent to ppm in 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 content for A4 for 8.5x11 paper sizes set to off for Word and Excel

FDIS ISO/IEC 29183		
Color	FCOT (seconds)	sESAT (gpm)
B&W	8	19

Notes: 1) gpm = Images Per Minute and is equivalent to ppm in Pages Per Minute or ppm or Copies Per Minute

ISO/IEC 17629		
Color	Simplex	FPOT From Ready (sec)
B&W	Simplex	12

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

Full Reports

ISO/IEC 24734		Office Category	FSOT (sec)	EFTP (gpm)				sESAT (gpm)
Color	Single Sided	PDF (# sets)	1 Set	1 Set + 30 seconds	1 Set + 4 Minutes	1 Set + 4 Minutes	17	
			Word (# sets)	30.00	8.00	10.00		13.00
Color	Two Sided	PDF (# sets)	1 Set	21.00	1.00	1.00	22.80	
			Word (# sets)	24.00	1.00	1.00	14.70	
Color	Two Sided	Excel (# sets)	Average	26	5.00	7.00	16	
			PDF (# sets)	44.00	5.00	7.00	10.00	
Color	Two Sided	Word (# sets)	1 Set	36.00	1.00	1.00	8.60	
			Excel (# sets)	38.00	1.00	1.00	7.80	
Color	Two Sided	Average	1 Set	40	1.00	1.00	8	
			PDF (# sets)	24.00	10.00	15.00	17.00	
B&W	Single Sided	PDF (# sets)	1 Set	20.00	1.00	1.00	20.10	
			Word (# sets)	20.00	1.00	1.00	23.80	
B&W	Single Sided	Excel (# sets)	Average	22	1.00	1.00	30	
			PDF (# sets)	11.00	8.00	9.00	13.20	
B&W	Two Sided	Word (# sets)	1 Set	25.00	1.00	1.00	15.10	
			Excel (# sets)	27.00	1.00	1.00	13.00	
B&W	Two Sided	Average	1 Set	28	1.00	1.00	13	

Notes: 1) gpm = Images Per Minute and is equivalent to ppm in Pages Per Minute or ppm or Copies 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 content for A4 for 8.5x11 paper sizes set to off for Word and Excel

FDIS ISO/IEC 29183		FCOT (sec)	1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	sESAT (gpm)
Color	Page 1 (# copies)	9.00	6.00	11.00	12.00	13.10
	Page 2 (# copies)	7.90	7.00	10.00	8	16.70
	Page 3 (# copies)	8.90	6.00	12.00	8	13.70
	Page 4 (# copies)	10.40	5.00	9.00	8	10.50
Black	Average (# copies)	10	1	7	11	13
	Page 1 (# copies)	7.20	8.00	17.00	18.00	19.40
	Page 2 (# copies)	6.90	9.00	19.00	11	21.20
	Page 3 (# copies)	7.30	8.00	16.00	11	18.60
Black	Page 4 (# copies)	7.40	8.00	16.00	11	18.70
	Average (# copies)	8	8	17	11	19

Notes: 1) gpm = Images Per Minute and is equivalent to ppm in Pages Per Minute or ppm or Copies Per Minute

ISO/IEC 17629		FPOT from Ready (sec)	FPOT from Sleep (sec)	Recovery Time (sec)
Color Simplex	PDF	13.00	21.80	8.00
	Word	12.00	21.80	8.00
	Excel	11.50	21.80	8.00
	Average	13.00	21.80	8.00
B&W Simplex	PDF	11.50	19.50	8.00
	Word	11.70	19.50	8.00
	Excel	9.90	19.50	8.00
	Average	12.00	19.50	8.00

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

Test system parameters		Item	Value
Test System	Computer	HP Envoy 15 Notebook	
	Processor	Intel Core i5-4210U 1.70GHz	
	System Disk Set	Intel Celeron	
	System Board	229A	
	System Memory	8GB 1600MHz DDR3L	
	Hard Drive subsystem	4GB 220GB of storage	
	Video subsystem	Intel HD graphics	
	Optical Drive	HP DVDRW G8-B0UN	
	I/O subsystem	Built in	
	USB subsystem	USB 2.0/3.0	
Software	Printer Connection	USB 2.0	
	Operating System	Microsoft Windows 10 Enterprise	
	Printing Applications	Microsoft Office Word 2016 MSO 64-bit Microsoft Office Excel 2016 64-bit	
	Test Files and location	Apple iWork Reader Doc, Version 2018.099.20044 Office Category files, hard drive	