

ISO/IEC 24734 Printing Productivity Report: Office Category  
 ISO/IEC 29183 Copying Productivity Report  
 ISO/IEC 17529 First Page Out Time Report

Full Detailed Test Reports  
 HP Officejet 5220 All-in-One Printer series

Printing device and test settings	
Test Start Date and Time	11/03/18 12:00:00 AM
Tester	Ulysses
Machine product number	8GJ776
Machine name/model	HP Officejet 5220 All-in-One Printer
FW Version	1727C
Colour or B&W copy	copy
Temperature and humidity	22.3 degrees, 67% humidity
Voltage	230v
Test End Date and Time	11/13/18 12:00:00 AM

Modes and Settings	Item	Value
Settings	Driver version	244.3.2218
	Media / Quality Setting	Normal/Normal
	Simplex B&W settings	Black ink only
	Duplex B&W settings	Black ink only
Paper Path	Setting N set count	Application
	Collate function	enabled
	Paper sending direction	Default
	Paper size setting	Default
Paper	Paper feeding	Standard cassette
	Paper exit	Standard exit tray
	Output orientation	face up, portrait
	Duplexing ADF Unit	no
	Duplexing Print Unit	no
	Paper Manufacturer	Print: HP Copy: HP
Paper	Weight	Print: 80gsm Copy: 80gsm
	Size	Print: A4 Copy: A4
	Paper type/name	Print: HP Everyday Media Copy: HP Everyday Paper Colorick

Summary Reports			
ISO/IEC 24734	Color	FSOT (seconds)	ESAT (gpm)
Color	Single Sided	50	7
	Two Sided	63	3
B&W	Single Sided	36	10
	Two Sided	70	3

Notes: 1) gpm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) For Simplex B&W results, Black ink only  
 3) For Duplex B&W results, 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)	FCOT (gpm)	sESAT (gpm)
B&W	17	8	8

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

ISO/IEC 17529		
Color	Simplex	FPOT From Ready (sec)
B&W	Simplex	10

Notes: 1) For B&W results, 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	7	
			Word (# sets)	4.00	4.00		5.00
Color	Two Sided	PDF (# sets) <td>1</td> <td>2.00</td> <td>2.00</td> <td>2.60</td>	1	2.00	2.00	2.60	
			Word (# sets) <td>4.00</td> <td>4.00</td> <td>4.80</td>	4.00	4.00	4.80	
B&W	Single Sided	PDF (# sets) <td>1</td> <td>5.00</td> <td>7.00</td> <td>8.00</td>	1	5.00	7.00	8.00	
			Word (# sets) <td>4.00</td> <td>4.00</td> <td>4.80</td>	4.00	4.00	4.80	
B&W	Two Sided	PDF (# sets) <td>1</td> <td>2.00</td> <td>3.00</td> <td>3.90</td>	1	2.00	3.00	3.90	
			Word (# sets) <td>4.00</td> <td>4.00</td> <td>4.70</td>	4.00	4.00	4.70	

Notes: 1) gpm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) For Simplex B&W results, Black ink only  
 3) For Duplex B&W results, 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	Page #	FCOT (sec)	1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	sESAT (gpm)
Color	Page 1 (# copies)	29.10	2.00	3.00	3.00	3.40
	Page 2 (# copies)	25.40	2.00	4.00	4.00	5.20
	Page 3 (# copies)	24.80	2.00	3.00	3.00	4.00
	Page 4 (# copies)	28.70	2.00	2.00	2.00	3.20
Black	Page 1 (# copies)	17.20	3.00	5.00	6.00	6.90
	Page 2 (# copies)	13.80	4.00	9.00	5.20	12.10
	Page 3 (# copies)	15.20	3.00	7.00	6.00	8.90
	Page 4 (# copies)	17.40	3.00	5.00	6.00	6.50

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

ISO/IEC 17529			
Color	Simplex	FPOT from Ready (sec)	Recovery Time (sec)
Color Simplex	PDF	22.30	28.30
	Word	15.20	19.80
	Excel	19.80	19.80
	Average	19.80	19.80
B&W Simplex	PDF	15.20	15.20
	Word	14.40	14.40
	Excel	15.20	15.20
	Average	16.80	16.80

Notes: 1) For B&W results, 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 CPU Set	Intel Chipset	
	System Board	228A	
	System Memory	8GB 1600MHz DDR3L	
	Hard Drive subsystem	HGST 200GB of storage	
	Video subsystem	Intel HD graphics	
	Optical Drive	HP DVDRW G8-B0N	
	FD 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	