

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 Smart Tank 520 All-in-One Printer series

Printing device and test settings	
Test Start Date and Time	05/01/22 12:00:00 AM
Tester	System
Machine product number	44838A
Machine name/model	HP Smart Tank 520 All-in-One Printer
FW Version	0217B
Colour or B&W	Color
Temperature and humidity	23.5, 55%
Voltage	240V
Test End Date and Time	05/01/22 12:00:00 AM

Item	Value
Driver version	07.01.2022
Media / Quality Setting	Plain/Normal
Simplex B&W settings	black ink only
Duplex B&W settings	black ink only
Setting N set count	Application
Collate function	On
Paper Path	Paper sending direction: Default
	Paper size setting: Default
	Paper feeding: Standard cassette
	Paper exit: Standard exit tray
Output orientation	face up, portrait
Duplexing ADF Unit	No
Duplexing Print Unit	No
Paper	Paper Manufacturer: Print: HP Copy: HP
	Weight: Print: 80 gsm Copy: 80 gsm
	Size: Print: A4 Copy: A4
	Paper type/name: Print: HP Everyday Paper Copy: HP Everyday Paper

ISO/IEC 24734		
Color	FSOT (seconds)	ESAT (gpm)
Single Sided	64	5
Two Sided	N/A	N/A
Average	31	12
Two Sided	N/A	N/A

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

IDB ISO/IEC 29183		
Color	FCOT (seconds)	sESAT (gpm)
B&W	14	10

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

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

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

Full Reports

ISO/IEC 24734	Office Category	FSOT (sec)	EFTP (gpm)				sESAT (gpm)
			1 Set	1 Set + 30 seconds	1 Set + 4 Minutes	1 Set + 4 Minutes	
Color	Single Sided	PDF (# sets)	77.00	3.00	3.00	3.00	3.70
		Word (# sets)	35.00	1	1	1	8.40
		Excel (# sets)	77.00	1	1	1	3.50
	Average	64				5	
	Two Sided	PDF (# sets)	N/A	N/A	N/A	N/A	N/A
		Word (# sets)	N/A	N/A	N/A	N/A	N/A
Excel (# sets)		N/A	N/A	N/A	N/A	N/A	
Average	N/A				N/A		
B&W	Single Sided	PDF (# sets)	34.00	7.00	9.00	9.00	11.30
		Word (# sets)	25.00	1	1	1	14.90
		Excel (# sets)	31.00	1	1	1	10.80
	Average	31				12	
	Two Sided	PDF (# sets)	N/A	N/A	N/A	N/A	N/A
		Word (# sets)	N/A	N/A	N/A	N/A	N/A
Excel (# sets)		N/A	N/A	N/A	N/A	N/A	
Average	N/A				N/A		

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

IDB ISO/IEC 29183						
Color	Page #	FCOT (sec)	sEFTP (gpm)			sESAT (gpm)
			1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	
Color	Page 1 (# copies)	41.10	1.00	1.00	2.00	2.50
	Page 2 (# copies)	34.70	1.00	2.00	3	3.40
	Page 3 (# copies)	38.00	1.00	2.00	3	2.80
	Page 4 (# copies)	44.90	1.00	1.00	3	2.10
	Average (# copies)	41	1	3	3	3
Black	Page 1 (# copies)	12.70	4.00	8.00	10.00	11.30
	Page 2 (# copies)	12.40	4.00	10.00	7	12.90
	Page 3 (# copies)	13.30	4.00	8.00	8	10.70
	Page 4 (# copies)	13.40	4.00	8.00	7	10.20
	Average (# copies)	14	4	8	8	10

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

ISO/IEC 17629				
Color	Simplex	FPOT From Ready (sec)	Recovery Time (sec)	
Color Simplex	PDF	24.70	25.70	1.00
	Word	15.20		
	Excel	21.40		
	Average	21.00		
	Delay Time	50 sec	120 mm	
B&W Simplex	PDF	13.80	14.50	1.00
	Word	12.40		
	Excel	12.80		
	Average	14.00		
	Delay Time	50 sec	120 mm	

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 Disk Set	Intel Chipset
	System Board	229A
	System Memory	8GB 1600MHz DDR3L
	Hard Drive subsystem	4GB 2TB of storage
	Video subsystem	Intel HD graphics
	Optical Drive	HP DVDRW G8-B0N
	I/O subsystem	Built in
	USB subsystem	USB 2.0/3.0
I/O	Printer Connection	USB
	Operating System	Microsoft Windows 10 Enterprise
Software	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