

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 Plus 610 series

Printing device and test settings	
Test Start Date and Time	04/29/19 12:00:00 AM
Tester	Unlabeled
Machine product number	Y0F71A
Machine name/model	HP Smart Tank Plus 610
FW Version	1916B
Colour or B&W	Color
Temperature and humidity	22 Degree C 63%
Voltage	240V
Test End Date and Time	05/03/19 12:00:00 AM

Modes and Settings	Item	Value
Settings	Driver version	48.1.4.345
	Media / Quality Setting	Plain/Normal
	Simplex B&W settings	black ink only
	Duplex B&W settings	black ink only
	Setting N set count	Application
Paper Path	Cooling function	On
	Paper sending direction	Default
	Paper size setting	Default
	Paper feeding	Standard cassette
	Paper exit	Standard exit tray
Paper	Output orientation	Face up, Portrait
	Duplexing ADP Unit	No
	Duplexing Print Line	No
	Paper Manufacturer	Print: HP Copy: HP
	Weight	Print: 80 gsm Copy: 80 gsm
Paper	Size	Print: A4 Copy: A4
	Paper type/name	Print: HP Everyday Paper Copy: HP Everyday Paper

Summary Reports		
ISO/IEC 24734	FSOT (seconds)	ESAT (gpm)
Color	Single Sided	61
	Two Sided	N/A
B&W	Single Sided	31
	Two Sided	N/A

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)	sESAT (gpm)
B&W	11	10

Notes: 1) gpm = Images Per Minute and is equivalent to ppm or Pages 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)
Color	Single Sided	PDF (# sets)	1 Set	1 Set + 30 seconds	1 Set + 4 Minutes	6	
			Word (# sets)	3.00	3.00		3.00
Color <td rowspan="2">Two Sided <td rowspan="2">PDF (# sets) <td>1 Set</td> <td>1</td> <td>2</td> <td>3</td> <td>9.20</td> </td></td>	Two Sided <td rowspan="2">PDF (# sets) <td>1 Set</td> <td>1</td> <td>2</td> <td>3</td> <td>9.20</td> </td>	PDF (# sets) <td>1 Set</td> <td>1</td> <td>2</td> <td>3</td> <td>9.20</td>	1 Set	1	2	3	9.20
			Word (# sets) <td>35.00</td> <td>1</td> <td>2</td> <td>3</td> <td>3.60</td>	35.00	1	2	3
Color <td rowspan="2">Average</td> <td rowspan="2">61</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>5</td> <td>N/A</td>	Average	61	N/A	N/A	N/A	5	N/A
			PDF (# sets) <td>74.00</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>2.80</td>	74.00	N/A	N/A	N/A
Color <td rowspan="2">Two Sided <td rowspan="2">PDF (# sets) <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </td></td>	Two Sided <td rowspan="2">PDF (# sets) <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </td>	PDF (# sets) <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td>	N/A	N/A	N/A	N/A	N/A
			Word (# sets) <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td>	N/A	N/A	N/A	N/A
Color <td rowspan="2">Average</td> <td rowspan="2">No</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td>	Average	No	N/A	N/A	N/A	N/A	N/A
			PDF (# sets) <td>34.00</td> <td>7.00</td> <td>9.00</td> <td>10.00</td> <td>10.80</td>	34.00	7.00	9.00	10.00
B&W <td rowspan="2">Single Sided <td rowspan="2">PDF (# sets) <td>7.00</td> <td>9.00</td> <td>10.00</td> <td>11</td> <td>14.20</td> </td></td>	Single Sided <td rowspan="2">PDF (# sets) <td>7.00</td> <td>9.00</td> <td>10.00</td> <td>11</td> <td>14.20</td> </td>	PDF (# sets) <td>7.00</td> <td>9.00</td> <td>10.00</td> <td>11</td> <td>14.20</td>	7.00	9.00	10.00	11	14.20
			Word (# sets) <td>28.00</td> <td>1</td> <td>2</td> <td>3</td> <td>10.20</td>	28.00	1	2	3
B&W <td rowspan="2">Two Sided <td rowspan="2">PDF (# sets) <td>7.00</td> <td>9.00</td> <td>10.00</td> <td>11</td> <td>10.20</td> </td></td>	Two Sided <td rowspan="2">PDF (# sets) <td>7.00</td> <td>9.00</td> <td>10.00</td> <td>11</td> <td>10.20</td> </td>	PDF (# sets) <td>7.00</td> <td>9.00</td> <td>10.00</td> <td>11</td> <td>10.20</td>	7.00	9.00	10.00	11	10.20
			Word (# sets) <td>32.00</td> <td>1</td> <td>2</td> <td>3</td> <td>3.60</td>	32.00	1	2	3
B&W <td rowspan="2">Average</td> <td rowspan="2">31</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>11</td> <td>N/A</td>	Average	31	N/A	N/A	N/A	11	N/A
			PDF (# sets) <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td>	N/A	N/A	N/A	N/A
B&W <td rowspan="2">Two Sided <td rowspan="2">PDF (# sets) <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </td></td>	Two Sided <td rowspan="2">PDF (# sets) <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </td>	PDF (# sets) <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td>	N/A	N/A	N/A	N/A	N/A
			Word (# sets) <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td>	N/A	N/A	N/A	N/A
B&W <td rowspan="2">Average</td> <td rowspan="2">N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td>	Average	N/A	N/A	N/A	N/A	N/A	N/A
			PDF (# sets) <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td>	N/A	N/A	N/A	N/A

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 1 (# copies)	FCOT (sec)	sEFTP (gpm)			sESAT (gpm)
			1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	
Color	Page 1	27.90	2.00	2.00	2.00	2.60
	Page 2	22.70	2.00	3.00	10	3.30
	Page 3	25.60	2.00	2.00	3	2.80
	Page 4	32.80	1.00	2.00	3	2.10
Black	Average	26	1	3	3	3
	Page 1	10.70	5.00	9.00	10.00	10.80
	Page 2	9.90	6.00	11.00	7	12.70
	Page 3	10.70	5.00	9.00	7	10.30
Black	Page 4	11.20	5.00	8.00	7	9.70
	Average	11	6	8	10	10

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

ISO/IEC 17629			
Color	Simplex	FPOT from Ready (sec)	Recovery Time (sec)
Color Simplex	PDF	23.80	2.00
	Word	15.50	2.00
	Excel	25.70	2.00
	Average	21.00	2.00
	Delay Time	50 sec	120 min
B&W Simplex	PDF	13.90	2.00
	Word	12.70	2.00
	Excel	12.70	2.00
	Average	14.00	2.00
	Delay Time	50 sec	120 min

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 G180N
	IO 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