

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 7600 All-in-One Printer and HP Smart Tank 790 All-in-One Printer series

Printing device and test settings	
Test Start Date and Time	5/14/2021 9:00AM-5/14/2021 9:00AM
Tester	Ulysses
Machine product number	20697A
Machine name/model	HP Smart Tank 7600 All-in-One Printer
FW Version	21180
Colour or B&W	Color
Temperature and humidity	21 degree C 65%
Volume	1400 fcs
Test End Date and Time	5/11/2021 5:30PM-5/11/2021 5:30PM

Item	Value
Modes and Settings	Driver version: SS.1.50.00
	Media / Quality Settings: Default / Default
	Simplex (B&W) settings: Print in grayscale, black ink only
	Duplex (B&W) settings: Print in grayscale, black ink only
	Settings by test count: Application
	Collating function: On
Paper Path	Paper sending direction: Default
	Paper size setting: Default
	Paper feeding: Standard cassette
	Paper exit: Standard exit tray
	Output orientation: Default (face up), portrait
Paper	Duplicating ADF: Unit less
	Duplicating Print: Unit less
	Paper Manufacturer: Print HP Copy, HP
	Weight: Print 80gsm Copy, 80gsm
	Size: Print A4 Copy, A4
	Paper type/name: Print HP Office Paper Copy, HP Office Paper

Summary Reports

ISO/IEC 24734	FSOT (seconds)	ESAT (lpm)
Color	9	9
	Two Sided	5
B&W	16	16
	Two Sided	6

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

#D5 ISO/IEC 29183	FCOT (seconds)	sESAT (lpm)
Color	9	9
B&W	16	16

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

ISO/IEC 17629	FPOT From Ready (sec)
Color	19
B&W	12

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

Full Reports

ISO/IEC 24734	Office Category	Page	FCOT (sec)	eFTP (ppm)				sESAT (lpm)
				1 Set	1 Set + 30 seconds	1 Set + 4 Minutes	4 Minutes	
Color	Single Sided	PDF	44.00	5.00	6.00	7.00	7.00	7.00
		Word	27.00	1	1	1	14.30	
		Excel	41.00	1	1	1	7.50	
	Two Sided	Average	38	3.00	4.00	5	9	
		PDF	63.00	3.00	4.00	5	4.70	
		Word	38.00	1	1	1	8.70	
B&W	Single Sided	Excel	55.00	1	1	1	5.20	
		Average	63	3.00	4.00	5	6	
		PDF	63.00	3.00	4.00	5	11.00	13.30
	Two Sided	PDF	25.00	1	1	1	19.10	
		Word	23.00	1	1	1	13.00	
		Excel	28.00	1	1	1	16	
B&W	Single Sided	Average	28	4.00	5.00	6	6.00	
		PDF	63.00	4.00	5.00	6	8.50	
		Word	38.00	1	1	1	6.60	
	Two Sided	Excel	45.00	1	1	1	6	
		Average	46	4	5	6	6	
		PDF	63.00	4.00	5.00	6	6	

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

#D5 ISO/IEC 29183	Page	FCOT (sec)	1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	sESAT (lpm)
Color	Page 1 (# copies)	16.60	3.00	5.00	5.00	5.80
	Page 2 (# copies)	15.70	3.00	4.00	4	10.10
	Page 3 (# copies)	16.00	3.00	4.00	4	5.50
	Page 4 (# copies)	17.50	3.00	4.00	4	4.80
	Average (# copies)	16	3	4	4	6
Black	Page 1 (# copies)	10.00	6.00	11.00	8	12.70
	Page 2 (# copies)	9.30	6.00	13.00	8	15.80
	Page 3 (# copies)	10.40	5.00	10.00	8	12.20
	Page 4 (# copies)	10.90	5.00	10.00	8	12.80
	Average (# copies)	11	6	11	8	13

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

ISO/IEC 17629	FPOT From Ready (sec)	FPOT From Sleep (sec)	Recovery Time (sec)	
Color Simplex	PDF	17.00	20.00	3.00
	Word	13.40	13.40	13.40
	Excel	14.80	14.80	14.80
	Average	16.00	16.00	16.00
	Delay Time	50 sec	120 min	120 min
B&W Simplex	PDF	14.00	18.00	4.00
	Word	12.70	12.70	12.70
	Excel	12.80	12.80	12.80
	Average	14.00	14.00	14.00
	Delay Time	50 sec	120 min	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	
Test System	Computer	HP Elite 840 G4 Notebook
	Processor	Intel Core i5-4210U 1.70GHz
	System Chip Set	Intel Chipset
	System Board	Q26A
	System Memory	8GB 1600MHz DDR3L
	Hard drive subsystem	Intel PRO1000 4G Network
	Video subsystem	Intel HD graphics
	Optical Drive	HP DVD-RW GJ80N
	HD subsystem	8TB 6
	USB subsystem	USB 2.0/3.0
OS	Printer Configuration	USB 2.0
	Operating System	Microsoft Windows 10 Enterprise
Software	Printing Applications	Microsoft Office Word 2016 MSO 64-bit
		Microsoft Office Excel 2016 MSO 64-bit
		Adobe Acrobat Reader DC Version 2016.009.20044
	Test Files and location	Office Category files, hard drive