

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 Wireless 450 series Deskjet series

Printing device and test settings		
Test Start Date and Time	07/14/17	8:30:00 AM
Tester	Karin Ting	
Machine product number	Z4856A	
Machine name/model	HP Smart Tank Wireless 450 series Deskjet	
FW Version	KDM1FN1725BR	
Colour or B&W	Color	
Temperature and humidity	25.0 degrees, 53% humidity	
Voltage	240V	
Test End Date and Time	07/14/17	5:30:00 PM

Item	Value
Driver version	Build 2317
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	Yes
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 Manufacturer	Print: HP Copy: HP
Weight	Print: 80gsm Copy: 80gsm
Size	Print: A4 Copy: A4
Paper type/name	Print: HP Everyday Media Copy: HP Everyday Media

ISO/IEC 24734		
Color	FSOT (seconds)	ESAT (gpm)
Single Sided	62	5
Two Sided	N/A	N/A
Average	39	8
Two Sided	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	FCOT (seconds)	sESAT (gpm)
B&W	17	8.5

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						
Color	Office Category	FSOT (sec)	EFTP (gpm)			sESAT (gpm)
			1 Set	1 Set + 30 seconds	1 Set + 4 Minutes	
Color	Single Sided	PDF (# sets)	71.00	3.00	3.00	3.80
		Word (# sets)	35.00	1	2	8.70
		Excel (# sets)	78.00			3.30
	Average	62			5	
	Two Sided	PDF (# sets)	N/A	N/A	N/A	N/A
		Word (# sets)	N/A			N/A
Excel (# sets)		N/A			N/A	
Average	N/A			N/A		
B&W	Single Sided	PDF (# sets)	42.00	6.00	6.00	6.70
		Word (# sets)	29.00			11.00
		Excel (# sets)	43.00			6.70
	Average	39			8	
	Two Sided	PDF (# sets)	N/A	N/A	N/A	N/A
		Word (# sets)	N/A			N/A
Excel (# sets)		N/A			N/A	
Average	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 #	FCOT (sec)	sEFTP (gpm)			sESAT (gpm)
			1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	
Color	Page 1 (# copies)	39.50	1.00	1.00	N/A	2.00
	Page 2 (# copies)	26.50	2.00	3.00		3.50
	Page 3 (# copies)	34.50	1.00	2.00		2.40
	Page 4 (# copies)	44.30	1.00	1.00		1.60
	Average (# copies)	37	1	3		3
Black	Page 1 (# copies)	19.40	3.00	5.00	N/A	6.00
	Page 2 (# copies)	12.50	4.00	8.00		9.40
	Page 3 (# copies)	15.00	4.00	6.00		6.50
	Page 4 (# copies)	19.40	3.00	4.00		4.50
	Average (# copies)	17	3	6		6.0

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	19.50	34.00
	Word	13.70	
	Excel	19.80	
	Average	18.00	
	Delay Time	50 sec	120 min
B&W Simplex	PDF	15.00	20.15
	Word	11.50	
	Excel	13.00	
	Average	14.00	
	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
Computer	HP Envoy 15 Notebook
Processor	Intel Core i5-4210U 1.70GHz
System Disk Set	Intel Celeron
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
IO subsystem	Built in
USB subsystem	USB 2.0/3.0
IG	Printer Connection: USB 2.0
Software	Operating System: Microsoft Windows 8.1 Multi Language 64 E-d Printing Applications: Microsoft Office Word 2013 64-bit SP1 Microsoft Office Excel 2013 64-bit SP1 Adobe Reader X 11.0.10
Test Files and location	Office Category files, hard drive