

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 Deskjet IA 5000 All-in-One Printer series

Printing device and test settings	
Test Start Date and Time	11/15/2018 1:30p 11/15/2018 1:30pm
Tester	J.P. Jones
Machine product number	MQJ398
Machine name/model	HP Deskjet IA 5000 All-in-One Printer
FW Version	1723C
Colour or B&W	Color
Temperature and humidity	24.5 degrees, 52% humidity
Voltage	240V
Test End Date and Time	11/15/2018 11:02 11/15/2018 11:02am

Item	Value
Driver version	Windows 10
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	Enabled
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
Paper	Duplexing Print Unit: No
	Paper Manufacturer: Prime HP Copy HP
	Weight: Prime 80gsm Copy: 80gsm
	Size: Prime A4 Copy: A4
	Paper type/name: Prime HP Everyday Media Copy: HP Everyday Paper Colorick

Summary Reports			
ISO/IEC 24734	FSOT (seconds)	ESAT (gpm)	
Color	Single Sided	50	7
	Two Sided	62	3
B&W	Single Sided	36	10
	Two Sided	71	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)	sESAT (gpm)	
B&W	17	8	

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	10

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)	58.00	4.00	4.00	5.30
		Word (# sets)	32.00	1	2	11.30
		Excel (# sets)	58.00			4.90
	Two Sided	Average	50			7
		PDF (# sets)	59.00	2.00	2.00	2.60
		Word (# sets)	56.00			4.90
B&W	Single Sided	Excel (# sets)	90.00			2.60
		Average	82			3
		PDF (# sets)	41.00	5.00	7.00	8.00
	Two Sided	Word (# sets)	28.00			11
		Excel (# sets)	38.00			13.90
		Average	36			10
B&W	Single Sided	PDF (# sets)	11.00	2.00	3.00	3.30
		Word (# sets)	58.00	1		4.70
		Excel (# sets)	71.00			3.70
	Two Sided	Average	71			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	Page #	FCOT (sec)	sEFTP (gpm)			sESAT (gpm)
			1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	
Color	Page 1 (# copies)	29.40	1.00	2.00	3.00	3.30
	Page 2 (# copies)	25.20	2.00	3.00	10	5.20
	Page 3 (# copies)	25.10	2.00	3.00	4	4.20
	Page 4 (# copies)	28.60	2.00	2.00	4	3.20
Black	Average (# copies)	27	1	3	6	4
	Page 1 (# copies)	17.80	3.00	5.00	6.00	6.30
	Page 2 (# copies)	14.00	4.00	10.00	5	12.40
	Page 3 (# copies)	14.70	4.00	7.00	8	9.50
	Page 4 (# copies)	17.20	3.00	5.00	6	6.60
	Average (# copies)	17	3	6	6	6

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	21.00	27.00	6.00
	Word	14.00		
	Excel	18.00		
	Average	19.00		
	Delay Time	50 sec	120 mm	
B&W Simplex	PDF	17.00	23.70	6.00
	Word	14.20		
	Excel	15.00		
	Average	16.00		
	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
Computer	HP Envoy 15 Notebook
Processor	Intel Core i5-4210U 1.70GHz
System CPU Set	Intel Chipset
System Board	229A
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
IG	Printer Connection: usb 2.0
Software	Operating System: Microsoft Windows 10 Enterprise
	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