

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 OfficeJet Pro 9010 All-in-One Printer series

Printing device and test settings		
Test Start Date and Time	10/04/18	12:00:00 AM
Tester	Ljyesses	
Machine product number	3URW3A	
Machine name/model	HP OfficeJet Pro 9010 All-in-One Printer	
FW Version	1840A	
Colour or B&W	Color	
Temperature and humidity	22 °C and 62%	
Voltage	240 volts AC	
Test End Date and Time	10/16/18	

Modes and Settings	Item	Value
Settings	Driver version	42.0.3.243
	Media / Quality Setting	Default / Default
	Simplex B&W settings	Print in grayscale, black ink only
	Duplex B&W settings	Print in grayscale, black ink only
Paper Path	Setting N set count	Application
	Collate function	Enabled in Application
Paper	Paper sending direction	Default
	Paper size setting	Default
	Paper feeding	Standard cassette
	Paper exit	Standard exit tray
	Output orientation	Default (Back up), portrait
	Duplexing ADF Unit	Yes
	Duplexing Print Unit	Yes
Paper	Paper Manufacturer	Print: HP Copy: HP
	Weight	Print: 80gsm Copy: 80gsm
	Size	Print: A4 Copy: A4
	Paper type/name	Print: HP Everyday Paper Colorlok Copy: HP Everyday Paper Colorlok

Summary Reports			
ISO/IEC 24734	FSOT (seconds)	ESAT (gpm)	
Color	Single Sided	23	18
	Two Sided	29	12
B&W	Single Sided	19	22
	Two Sided	26	14

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

FDIS ISO/IEC 29183			
Color	FCOT (seconds)	sESAT (gpm)	
B&W	7	21	

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

ISO/IEC 17629		
Color	Simplex	FPOT From Ready (sec)
B&W	Simplex	9

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

Full Reports							
ISO/IEC 24734		Office Category	FSOT (sec)	EFTP (gpm)		sESAT (gpm)	
Color	Single Sided	PDF (# sets)	27.00	1 Set	9.00	13.00	14.00
		Word (# sets)	17.00	1	13.00	14.00	26.20
Color	Two Sided	Excel (# sets)	22.00	1	9.00	14.00	16.20
		Average	23	7.00	9.00	18	
Color	Two Sided	PDF (# sets)	33.00	1	9.00	14.00	10.40
		Word (# sets)	23.00	1	9.00	15.30	15.30
Color	Two Sided	Excel (# sets)	29.00	1	9.00	11.30	11.30
		Average	29	12.00	17.00	19.00	12
B&W	Single Sided	PDF (# sets)	21.00	1	12.00	19.00	21.40
		Word (# sets)	16.00	1	12.00	27.00	27.00
B&W	Single Sided	Excel (# sets)	18.00	1	12.00	20.80	20.80
		Average	19	9.00	11.00	22	
B&W	Two Sided	PDF (# sets)	20.00	1	9.00	14.00	14.00
		Word (# sets)	22.00	1	9.00	16.30	16.30
B&W	Two Sided	Excel (# sets)	25.00	1	9.00	13.80	13.80
		Average	26	11.00	14.00	14	

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 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

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 (# copies)	7.50	7.00	12.00	N/A	14.00
	Page 2 (# copies)	6.90	9.00	21.00	9	23.30
	Page 3 (# copies)	7.30	8.00	13.00	8	15.00
	Page 4 (# copies)	8.60	7.00	10.00	7	11.30
Color	Average (# copies)	8	7	14	7	18
	Page 1 (# copies)	6.40	9.00	20.00	N/A	21.80
	Page 2 (# copies)	6.10	10.00	22.00	15	23.90
	Page 3 (# copies)	6.30	10.00	19.00	15	21.00
Color	Page 4 (# copies)	6.40	9.00	18.00	15	20.30
	Average (# copies)	7	9	18	15	21

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

ISO/IEC 17629				
Color Simplex	FPOT from Ready (sec)	FPOT from Sleep (sec)	Recovery Time (sec)	
Color Simplex	PDF	10.70	10.70	0.00
	Word	8.50	8.50	0.00
	Excel	9.10	9.10	0.00
	Average	10.00	10.00	0.00
B&W Simplex	Delay Time	30 sec	120 min	0.00
	PDF	8.10	17.10	8.00
	Word	8.10	17.10	8.00
	Excel	7.80	14	8.00
B&W Simplex	Average	8.00	120 min	8.00
	Delay Time	30 sec	120 min	0.00

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 Envoy 15 Notebook	
	Processor	Intel Core i5-4210U 1.7GHz	
	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-B0UN	
	IO subsystem	Built in	
	USB subsystem	USB 2.0/3.0	
I/O	Printer Connection	USB 2.0	
	Operating System	Microsoft Windows 10 Enterprise	
Software	Printing Applications	Microsoft Office Word 2016 MSO 64-bit	
		Microsoft Office Excel 2016 64-bit	
	Test Files and location	Appleton Reader Doc, Version: 2018.099.20044 Office Category files, hard drive	