

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 8740 All-in-One Printer

Printing device and test settings	
Test Start Date and Time	12/19/15 12:00:00 AM
Tester	Karen Tang
Machine product number	K753AZA
Machine name/model	HP OfficeJet Pro 8740 All-in-One Printer
FW Version	15430
Colour or B&W	Color
Temperature and humidity	24 degrees C, 47%
Volume	140 units AC
Test End Date and Time	01/19/16 12:00:00 AM

Item	Value
Modes and Settings	Driver version: 38.1.1883
	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: Enabled in Application
Paper Path	Paper sensing direction: Default
	Paper size settings: Default
	Paper feeding: Standard cassette
	Paper exit: Standard end tray
	Output orientation: Default (face down)
	Duplicating ADF Unit: Yes
	Duplicating Print Unit: Yes
Paper	Paper Manufacturer: HP
	Weight: 80gsm
	Size: A4
	Paper type/name: HP Everyday Paper, Colorize

Summary Reports

ISO/IEC 24734	FSOT (seconds)	ESAT (lpm)
Color		
Single Sided	21	20
Two Sided	24	17
B&W		
Single Sided	19	24
Two Sided	22	20

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

#DIB ISO/IEC 29183	FCOT (seconds)	sESAT (lpm)
Color	16	16
B&W	15	22

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

ISO/IEC 17629	FPOT From Ready (sec)
Color	11
B&W	10

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

Full Reports

ISO/IEC 24734	Office Category	FCOT (sec)	eFTP (lpm)				
			1 Set	1 Set+ 30 seconds	1 Set+ 4 Minutes	sESAT (lpm)	
Color	Single Sided	PDF	22.00	11.00	14.00	15.00	17.20
		Word	15.00				28.20
		Excel	24.00				18.30
	Two Sided	Average	21				26
		PDF	25.00	9.00	12.00		15.70
		Word	18.00				22.70
B&W	Single Sided	PDF	17.00	14.00	19.00	20.00	23.20
		Word	15.00				28.70
		Excel	22.00				23.40
	Two Sided	Average	19				24
		PDF	21.00	11.00	15.00		18.80
		Word	19.00				22.60
	Excel	24.00				20.30	
	Average	22				20	

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

#DIB ISO/IEC 29183	FCOT (sec)	eFTP (lpm)				
		1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	sESAT (lpm)	
Color	Page 1 (# copies)	11.50	5.00	11.00	13.00	15.40
	Page 2 (# copies)	11.00	5.00	11.00	14	23.50
	Page 3 (# copies)	10.70	5.00	11	13.00	16.70
	Page 4 (# copies)	11.80	5.00	11	10	12.50
	Average (# copies)	12	5	12	12	16
Black	Page 1 (# copies)	9.00	6.00	6	19.00	22.30
	Page 2 (# copies)	8.70	6.00	6	13	28.10
	Page 3 (# copies)	8.90	6.00	6	18.00	22.70
	Page 4 (# copies)	9.10	6.00	6	17.00	21.10
	Average (# copies)	10	6	18	18	22

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

ISO/IEC 17629	FPOT from Ready (sec)	FPOT from Sleep (sec)	Recovery Time (sec)	
Color Simplex	PDF	10.10	22.00	21.00
	Word	7.50		
	Excel	10.00		
	Average	11.00		
B&W Simplex	PDF	9.10	20.00	10.00
	Word	7.00		
	Excel	9.30		
	Average	10.00		

Notes: 1) For B&W results, Print in grayscale, black ink only
 2) FPOT from Sleep = FPOT from Ready + 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	OS: Windows 7 Professional 64-bit SP1
	Processor: Intel Core i7-3770 Quad Core (3.40 GHz, 8 MB cache)
	System Chip Set: Intel(R) Q77 Express Chipset
	System Board: Standard system device, default system BIOS
	System Memory: 4 GB (1x4 GB) DDR3 1600 MHz
	Hard drive subsystem: Hitachi HT5750, 500GB
	Video subsystem: AMD Radeon HD 6350
	Optical Drive: HP DVD-RAM
	HD subsystem: SATA
	USB subsystem: USB 2.0/3.0
IO	Printer Connection: e
Software	Operating System: Microsoft Windows 7 Professional 64-bit SP1
	Printing Applications: Microsoft Office Pro Plus Word 2010 32-bit SP1
	Microsoft Office Pro Plus Excel 2010 32-bit SP1
	Adobe Reader X 10.1.2
	Test Files and location: Office Category files, hard drive

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 8740 All-in-One Printer (BlueAngel)

Printing device and test settings		
Test Start Date and Time	05/15/16	12:00:00 AM
Tested Name/Title	Test	
Machine product number	D9L21A	
Machine name/model	HP OfficeJet Pro 8740 All-in-One Printer	
DW Version	ISO/A	
Colour or B&W	Color	
Temperature and humidity	24 degrees C, 47%	
Voltage	240 volts AC	
Test End Date and Time	05/16/16	12:00:00 AM

Item	Value
Driver version	36.1.1883
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
Setting to test count	Application
Collating function	Enabled in Application
Paper sending direction	Default
Paper size setting	Default
Paper feeding	Standard cassette
Paper path	Standard exit tray
Output orientation	Default (face down), portrait
Duplexing ADF Unit	Yes
Duplexing Print Unit	Yes
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	FCOT (seconds)	ESAT (ipm)
Color	21	20
Two Sided	24	17
B&W	19	24
Two Sided	22	20

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or 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 constant for A4 for 8.5x11 paper sizes set to off for Word and Excel

FDIS ISO/IEC 29183		
Color	FCOT (seconds)	sESAT (ipm)
Color	12	14
B&W	10	18

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

ISO/IEC 17629		FPOT From Ready (sec)
Color	Simplex	11
B&W	Simplex	10

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

Full Reports

ISO/IEC 24734		Office Category	FCOT (sec)	EFTP (ipm)			sESAT (ipm)
Color	Single Sided	PDF (if sets)	Word (if sets)	Excel (if sets)	1 Set	1 Set + 30 seconds	1 Set + 4 Minutes
					11.00	14.00	15.00
Color	Single Sided	PDF (if sets)	22.00	11.00	14.00	15.00	17.20
		Word (if sets)	15.00	11.00	14.00	15.00	17.20
		Excel (if sets)	24.00	11.00	14.00	15.00	17.20
	Two Sided	Average (if sets)	21	11.00	14.00	15.00	20
		PDF (if sets)	25.00	9.00	12.00	13.00	15.10
		Word (if sets)	19.00	9.00	12.00	13.00	15.10
B&W	Single Sided	PDF (if sets)	17.00	14.00	19.00	20.00	23.20
		Word (if sets)	15.00	14.00	19.00	20.00	23.20
		Excel (if sets)	22.00	14.00	19.00	20.00	23.20
	Two Sided	Average (if sets)	19	11.00	15.00	16.00	24
		PDF (if sets)	21.00	11.00	15.00	16.00	18.80
		Word (if sets)	19.00	11.00	15.00	16.00	18.80
		Average (if sets)	22	11.00	15.00	20.30	20

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or 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 constant for A4 for 8.5x11 paper sizes set to off for Word and Excel

FDIS ISO/IEC 29183		FCOT (sec)	sEFTP (ipm)			sESAT (ipm)	
Color	Page 1 (if copies)	Page 2 (if copies)	Page 3 (if copies)	Page 4 (if copies)	1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes
					5.00	10.00	11.00
Color	Page 1 (if copies)	11.40	5.00	10.00	11.00	13.50	
	Page 2 (if copies)	10.70	5.00	10.00	11.00	20.00	
	Page 3 (if copies)	10.80	5.00	11.00	12.00	14.90	
	Page 4 (if copies)	11.90	5.00	8.00	9.00	11.20	
	Average (if copies)	12	5	11	7	14	
Black	Page 1 (if copies)	9.00	6.00	14.00	16.00	17.70	
	Page 2 (if copies)	8.80	6.00	16.00	11	20.70	
	Page 3 (if copies)	8.90	6.00	14.00	13	18.00	
	Page 4 (if copies)	9.10	6.00	13.00	11	16.50	
	Average (if copies)	10	6	14	10	18	

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

ISO/IEC 17629		FPOT from Ready (sec)	FPOT from Sleep (sec)	Recovery Time (sec)
Color Simplex	PDF	10.10	12	11.00
	Word	7.50	12	11.00
	Excel	10.60	12	11.00
	Average	11.90	120 min	11.00
	Delay Time	20 sec	120 min	11.00
B&W Simplex	PDF	9.10	10	10.00
	Word	7.50	10	10.00
	Excel	9.30	10	10.00
	Average	8.90	120 min	10.00
	Delay Time	20 sec	120 min	10.00

Notes: 1) For B&W results, Print in grayscale, black ink only
 2) FPOT from Sleep = FPOT from Ready + Recovery Time
 3) Scale constant for A4 for 8.5x11 paper sizes set to off for Word and Excel

Test system parameters

Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor PC
Processor	Intel Core i7-3770 Quad Core (3.40 GHz, 8 MB cache)
System Chip Set	Intel(R) Q77 Express Chipset
System Board	Standard system devices, default system BIOS
System Memory	4 GB (4 x 1 GB DDR3 1600 MHz)
Hard Drive subsystem	Harddisk - WD 5000 - 500GB
Video subsystem	AMD Radeon HD 6350
Optical Drive	HP DVD-RAM
I/O subsystem	Built-in
USB subsystem	USB 2.0/3.0
Printer Connection	0
Operating System	Microsoft Windows 7 Professional 64-bit SP1
Printing Applications	Microsoft Office Pro Plus Word 2010 32-bit SP1 Microsoft Office Pro Plus Excel 2010 32-bit SP1 Adobe Reader X 10.1.2
Test Files and location	Office Category files, hard drive